



REST API Guide

OnPremises and Private Cloud

AgilePoint NX v9.0, Software Update 1

Document Revision r9.1.1

January 2026

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Virus-Free Software Policy

AgilePoint recognizes that viruses are a significant security consideration for our customers. AgilePoint takes the following measures to make sure our software is free of viruses upon delivery:

- AgilePoint is built on top of Microsoft .NET framework. The pre-compiled executable is a .NET Common Language Runtime (CLR) application, not a native machine binary. As far as is known at this time, there are no viruses that infect .NET CLR executables.
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- The compiled and packaged software files are scanned by virus scanning software before they are released. An official disclosure document regarding the findings from our virus scanning activities is available upon request.

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REST API

This document describes the AgilePoint REST API. AgilePoint recommends this API especially for use with mobile applications. [JavaScript](#), Java, and C# examples are provided for each method.

This API has the following endpoints. The name of your AgilePoint Server directory depends upon whether you are using AgilePoint on premises or AgilePoint for Azure:

- **Workflow API** - `https://[qualified machine name]:[port]/[AgilePointServer or AgilePointService]/Workflow`
- **Administration API** - `https://[qualified machine name]:[port]/[AgilePointServer or AgilePointService]/Admin`

 For your data security, AgilePoint strongly recommends using SSL (https) for all communication with the AgilePoint REST API.

Good to Know

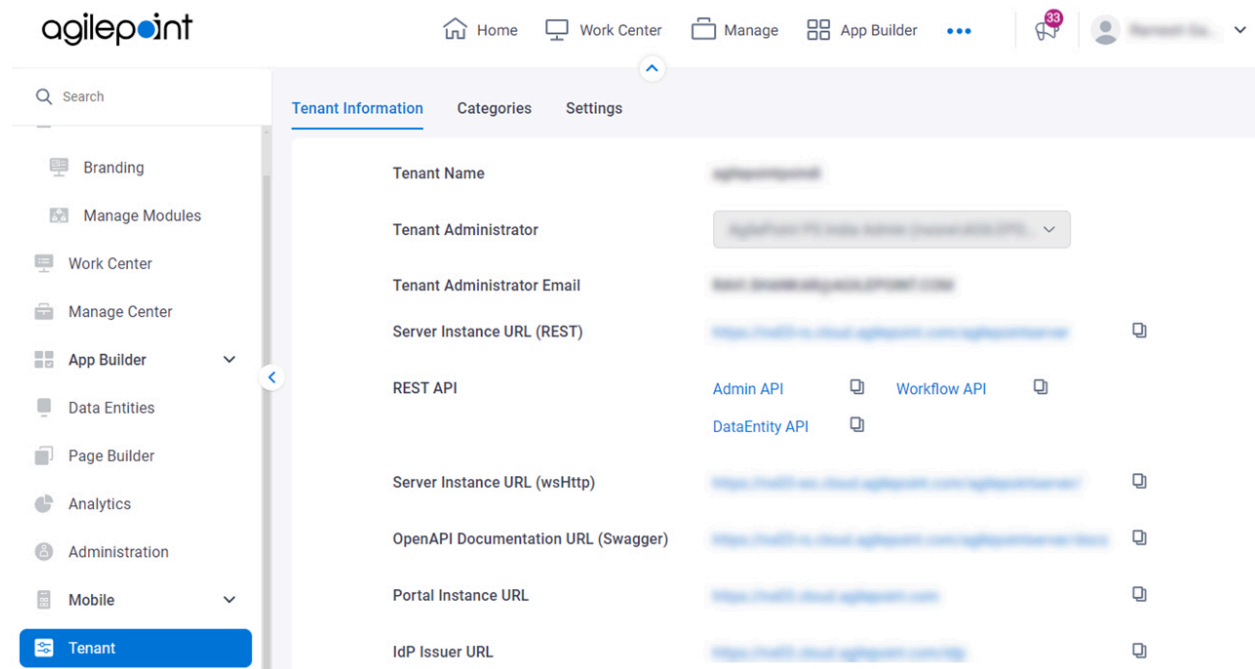
- For jQuery version 1.9 and higher, for a REST service that returns a response of null or {}, The REST API call dataType must be **Text**.

Swagger API Documentation

In addition to this document, you can view documentation for AgilePoint NX [REST API](#) in Swagger. Swagger gives structured documentation based on the REST API WSDL.

To open the Swagger documentation for the REST API, do the procedure in this topic.

Screen



The screenshot shows the AgilePoint NX user interface. At the top, there is a navigation bar with the AgilePoint logo and menu items: Home, Work Center, Manage, App Builder, and a user profile icon. Below the navigation bar is a search bar and a sidebar menu with categories like Branding, Manage Modules, Work Center, Manage Center, App Builder, Data Entities, Page Builder, Analytics, Administration, and Mobile. The main content area is titled 'Tenant Information' and has tabs for 'Categories' and 'Settings'. The 'Settings' tab is active, and the 'Tenant' sub-tab is selected. The settings list includes fields for Tenant Name, Tenant Administrator, Tenant Administrator Email, Server Instance URL (REST), REST API, Server Instance URL (wsHttp), OpenAPI Documentation URL (Swagger), Portal Instance URL, and IdP Issuer URL. The 'OpenAPI Documentation URL (Swagger)' field is highlighted, and its value is a URL that has been copied, as indicated by the blue highlight and the copy icon.

Field	Value
Tenant Name	agilepoint
Tenant Administrator	AgilePoint IT Help Desk (admin@agilepoint.com)
Tenant Administrator Email	admin@agilepoint.com
Server Instance URL (REST)	https://api.agilepoint.com/agilepoint/
REST API	Admin API, Workflow API, DataEntity API
Server Instance URL (wsHttp)	https://api.agilepoint.com/agilepoint/
OpenAPI Documentation URL (Swagger)	https://api.agilepoint.com/agilepoint/
Portal Instance URL	https://api.agilepoint.com
IdP Issuer URL	https://api.agilepoint.com

How to Start

1. In AgilePoint NX, click **Settings**.
2. Click **Tenant**.

Procedure

1. On the **Tenant Settings** screen, in the **OpenAPI Document URL (Swagger)** field, click the URL.

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

- [AgilePoint Community Forums](#) - A free, AgilePoint-moderated, crowd-sourcing user forum where you can ask questions about specific techniques, the solutions to use cases, workarounds, or other topics that may not be covered in the Product Documentation.
- [Professional Services](#) - If you can not find the information you need for your specific business problem, mentoring is available through AgilePoint Professional Services.
- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Basic Programming Tasks

This section describes the basic programming tasks that are required for the AgilePoint REST API:

- Authentication
- HttpOperations code examples

Authentication

When you make a REST API call, you must authenticate the user. The following provides an example of REST API authentication using JavaScript, Java, C# and Ajax.

Prerequisites

- Before you can use the recommended SSL authentication, you must set up SSL authentication in AgilePoint Server.

For more information, refer to [Enable SSL or TLS in AgilePoint Server Manager](#).

- You may need to create a custom server side authentication mechanism for your REST API calls.

For more information, refer to [Server Side Authentication Using WCF Endpoints for AgilePoint Server](#).

Good to Know

- For jQuery version 1.9 and higher, for a REST service that returns a response of null or {}, The REST API call dataType must be **Text**.
- Use this format to create authorization header for authentication. You must give a space before closing quotation marks (") after **Bearer** in authorization header code.

- For Microsoft Entra ID, Microsoft 365, or Salesforce authentication, use this format:

(Bearer (Access Token received from Microsoft or Salesforce))

JavaScript Example:

```
httppost.addHeader("Authorization", "Bearer " + "Access Token");
```

Java Example:

```
httpost.addHeader("Authorization", "Bearer " + "Access Token");
```

C# Example:

```
request.Headers[HttpRequestHeader.Authorization] = "Bearer " + "Access Token";
```

To generate the access token, refer these web pages from Microsoft:

- [Get a Microsoft access token](#)
- [Get a Salesforce access token](#)
- For AgilePoint ID or Active Directory authentication, use this format. The code examples in this topic use this format.

```
(Basic (base64(domain\username:password)))
```

JavaScript Code Example

```
$.ajax({
  headers: {

    // To make cross-domain ajax calls.
    // This is required if your front-end and back-end are in different domains.
    "Access-Control-Allow-Origin": "*",

    // Supply your application name.
    appID: 'My Application',

    // If your application is being served in multiple languages,
    // Call a method that returns the selected language id, for example (en-Us).
    locale: getLocale(),

    // Add implementation to obtain base64 encoded value of username and password.
    Authorization: "Basic "+base64encode(Username:Password)

  },
  url: 'https://mydomain:9011/AgilePointServer/Admin/GetRegisterUser',

  // Pass username in JSON format {userName:'Domain\\UserName'}
  data: JSON.stringify({ userName: 'mydomain\\lily.allen' }),

  // default HTTP verb is post.
  // If the verb is GET, you must specify it.
  type: 'POST',

  // Response content type. By default it is json.

```

```
contentType: "application/json",

// The default data type for the request body.
dataType: "json",

// Set async to true to make a non-blocking or asynchronous ajax call.
async: true,

// Set cache to false to make sure we are not getting the cached response.
cache: false,

success: function (data, status) {
  try {

    // Handle success callbacks.
  } catch (e) {

  }
},

error: function (xhr, status, error) {
  try {

    //Handle any request error message or authentication failure messages.
  } catch (e) {

  }
}
});
```

Java Code Example

```
public String POSTMethod(String URI, String jsonRequestData) {
  org.apache.http.impl.client.CloseableHttpClient httpClient = null;
  org.apache.http.client.methods.CloseableHttpResponse response = null;
  httpClient = HttpClients.createDefault();
  org.apache.http.client.methods.HttpPost httpPost = null;

  httpPost = new org.apache.http.client.methods.HttpPost(URI);
  httpPost.setHeader("content-type", "application/json;charset=UTF-8");
  httpPost.setHeader("Authorization",
    "Basic " + new String(Base64.encodeBase64((Username:password).getBytes())));
  httpPost.setHeader("AppName", "My Application");
  httpPost.setHeader("Locale", Locale.getDefault());
}
```

```
try {
    org.apache.http.entity.StringEntity se =
        new org.apache.http.entity.StringEntity(jsonRequestData,
            ContentType.create("text/plain", "UTF-8"));
    httpPost.setEntity(se);
    response = httpClient.execute(httpPost);
    return org.apache.http.util.EntityUtils.toString(response.getEntity());
} catch (ClientProtocolException e) {
    e.printStackTrace();
} catch (IOException e) {
    e.printStackTrace();
}
return "";
}
```

C# Code Example

```
public HttpWebRequest GetHttpRequest(string URI, string Method)
{
    //Create a request with required URI
    HttpWebRequest request = (HttpWebRequest)WebRequest.Create(URI);

    request.Method = Method;

    //Set Content Type
    request.ContentType = "application/json";
    //Set Accept Type
    request.Accept = "application/json";

    //Setting Header
    //Creating Authorization header format (Basic
    (base64(domain\\username:password))
    request.Headers[HttpRequestHeader.Authorization] =
        "Basic " + Convert.ToBase64String(Encoding.UTF8.GetBytes(domain + "\\\" +
        userName + ":" + password));
    request.Headers["appID"] = appID;
    request.Headers["locale"] = locale;
    request.Timeout = 100000;
    request.KeepAlive = false;
    ServicePointManager.ServerCertificateValidationCallback += new
    System.Net.Security.RemoteCertificateValidationCallback(ValidateServerCertificat
    e);
}
```

```
    return request;
}
```

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

HttpOperations Code Examples

Description

The code examples for method calls in this document reference a class called HttpOperations to perform some repetitive programming tasks. This class is not part of the AgilePoint REST API. The examples here are provided so that you can modify them to do whatever similar tasks you need for your software.

Java Code Example

```
package restExamples;

import java.io.IOException;

import org.apache.commons.codec.binary.Base64;
import org.apache.http.client.ClientProtocolException;
import org.apache.http.client.methods.HttpGet;
import org.apache.http.client.methods.HttpPost;
import org.apache.http.entity.ContentType;
import org.apache.http.entity.StringEntity;
import org.apache.http.impl.client.HttpClients;
import org.apache.http.util.EntityUtils;
```

```
public class HTTPOperations {

    String domain = "";
    String userName = "";
    String password = "";
    String appID = "";
    String locale = "";

    public HTTPOperations(String domain, String userName, String password,
        String appID, String locale) {
        this.domain = domain;
        this.userName = userName;
        this.password = password;
        this.appID = appID;
        this.locale = locale;
    }

    public String GETMethod(String URI) {
        org.apache.http.impl.client.CloseableHttpClient httpClient = null;
        org.apache.http.client.methods.CloseableHttpResponse response = null;
        httpClient = HttpClients.createDefault();
        org.apache.http.client.methods.HttpGet httpget = null;

        httpget = new HttpGet(URI);
        httpget.addHeader("content-type", "application/json;charset=UTF-8");
        httpget.addHeader(
            "Authorization",
            "Basic "
                + new String(Base64.encodeBase64((domain + "\\\"
                    + userName + ":" + password).getBytes())));
        httpget.addHeader("AppName", "RESTTest");
        httpget.addHeader("Locale", "en-US");

        try {
            response = httpClient.execute(httpget);
            return EntityUtils.toString(response.getEntity());
        } catch (ClientProtocolException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }
        return "";
    }
}
```

```
public String POSTMethod(String URI, String jsonRequestData) {
    org.apache.http.impl.client.CloseableHttpClient httpClient = null;
    org.apache.http.client.methods.CloseableHttpResponse response = null;
    httpClient = HttpClients.createDefault();
    org.apache.http.client.methods.HttpPost httpPost = null;

    httpPost = new HttpPost(URI);
    httpPost.addHeader("content-type", "application/json;charset=UTF-8");
    httpPost.addHeader(
        "Authorization",
        "Basic "
            + new String(Base64.encodeBase64((domain + "\\\"
                + userName + ":" + password).getBytes())));
    httpPost.addHeader("AppName", "RESTTest");
    httpPost.addHeader("Locale", "en-US");

    try {
        StringEntity se = new StringEntity(jsonRequestData,
            ContentType.create("text/plain", "UTF-8"));
        httpPost.setEntity(se);
        response = httpClient.execute(httpPost);
        return EntityUtils.toString(response.getEntity());
    } catch (ClientProtocolException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }
    return "";
}

public String POSTMethodXML(String URI, String xmlRequestData) {
    org.apache.http.impl.client.CloseableHttpClient httpClient = null;
    org.apache.http.client.methods.CloseableHttpResponse response = null;
    httpClient = HttpClients.createDefault();
    org.apache.http.client.methods.HttpPost httpPost = null;

    httpPost = new HttpPost(URI);
    httpPost.addHeader("content-type", "application/xml;charset=UTF-8");
    httpPost.addHeader(
        "Authorization",
        "Basic "
            + new String(Base64.encodeBase64((domain + "\\\"
                + userName + ":" + password).getBytes())));
    httpPost.addHeader("AppName", "RESTTest");
    httpPost.addHeader("Locale", "en-US");
}
```

```
try {
    StringEntity se = new StringEntity(xmlRequestData,
        ContentType.create("text/plain", "UTF-8"));
    httpPost.setEntity(se);
    response = httpClient.execute(httpPost);
    return EntityUtils.toString(response.getEntity());
} catch (ClientProtocolException e) {
    e.printStackTrace();
} catch (IOException e) {
    e.printStackTrace();
}
return "";
}
```

C# Code Example

```
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Net;
using System.Text;
using System.Security.Cryptography.X509Certificates;
using System.Net.Security;
using System.Xml.Linq;
using System.Xml;

namespace RestExamples
{
    public class HTTPOperations
    {
        string domain = string.Empty;
        string userName = string.Empty;
        string password = string.Empty;
        string appID = string.Empty;
        string locale = string.Empty;
        string contentType = string.Empty;

        public HTTPOperations(string Domain, string UserName, string Password, string
AppID, string Locale)
        {

```

```
    domain = Domain;
    userName = UserName;
    password = Password;
    appID = AppID;
    locale = Locale;
}

#region Create Http Request

public HttpWebRequest GetHttpRequest(string URI, string Method)
{
    //----- Creat a request with required URI
    HttpWebRequest request = (HttpWebRequest)WebRequest.Create(URI);

    request.Method = Method;

    //Set Content Type
    request.ContentType = "application/json";
    //Set Accept Type
    request.Accept = "application/json";

    //Setting Header
    //Creating Authorizationheader format (Basic
(base64(domain\\username:password))
    request.Headers[HttpRequestHeader.Authorization] =
        "Basic " + Convert.ToBase64String(Encoding.UTF8.GetBytes(domain + "\\\" +
userName + ":" + password));
    request.Headers["appID"] = appID;
    request.Headers["locale"] = locale;
    //request.Timeout = 100000;
    //request.KeepAlive = false;
    //ServicePointManager.ServerCertificateValidationCallback +=
    //          new
System.Net.Security.RemoteCertificateValidationCallback(ValidateServerCertificat
e);
    return request;
}

#endregion

#region POST Method

public string POSTMethod(string URI, string JsonRequestData)
{
```

```
HttpRequest request = GetHttpRequest(URI, WebRequestMethods.Http.Post);

//-----POST ing data to Server

request.ContentLength = JsonRequestData.Length;
Stream content = request.GetRequestStream();
StreamWriter ContentWriter = new StreamWriter(content);
ContentWriter.Write(JsonRequestData);
ContentWriter.Close();

HttpWebResponse webResponse = null;
try
{
    //----- geting response from request
    webResponse = (HttpWebResponse)request.GetResponse();
}
catch (WebException ex)
{
    throw ex;
}

string jsonResponseData = ReadData(webResponse);

return jsonResponseData;
}

public string PostXml(string url, string xml)
{
    try
    {
        byte[] bytes = Encoding.UTF8.GetBytes(xml);
        HttpRequest request = (HttpRequest)WebRequest.Create(url);
        request.Method = "POST";
        request.ContentLength = bytes.Length;
        request.ContentType = "application/xml";
        using (Stream requestStream = request.GetRequestStream())
        {
            requestStream.Write(bytes, 0, bytes.Length);
        }
        HttpWebResponse response = (HttpWebResponse)request.GetResponse();
        Stream resStream = response.GetResponseStream();
        StreamReader rdStreamRdr = new StreamReader(resStream);
        if (response.StatusCode != HttpStatusCode.OK)
        {
```

```
        string message = String.Format("POST failed. Received HTTP {0}",
        response.StatusCode);
        throw new ApplicationException(message);
    }
    else
    {
        string message = rdStreamRdr.ReadToEnd();
        return message;
    }
}
catch (Exception)
{
    throw;
}
}

public string POSTMethod(string URI)
{
    HttpWebRequest request = GetHttpRequest(URI, WebRequestMethods.Http.Post);

    //-----POST ing data to Server

    //request.ContentLength = JsonRequestData.Length;
    Stream content = request.GetRequestStream();
    StreamWriter ContentWriter = new StreamWriter(content);
    //ContentWriter.Write();
    ContentWriter.Close();

    HttpWebResponse webResponse = null;
    try
    {
        //----- geting response from request
        webResponse = (HttpWebResponse)request.GetResponse();
    }
    catch (WebException ex)
    {
        throw ex;
    }

    string jsonResponseData = ReadData(webResponse);

    return jsonResponseData;
}
```

```
#endregion

#region GET Method

public string GetData(string URI)
{
    HttpWebRequest request = GetHttpRequest(URI, WebRequestMethods.Http.Get);
    try
    {
        HttpWebResponse response = (HttpWebResponse)request.GetResponse();

        string jsonResponseData = ReadData(response);

        return jsonResponseData;
    }
    //HttpWebResponse response = request.GetResponse() as HttpWebResponse;
    catch (Exception ex)
    {
        //LogServiceException(ex);
        throw ex;
    }
}

#endregion

string ReadData(HttpWebResponse webResponse)
{
    string jsonResponseData = string.Empty;
    try
    {
        if (webResponse.StatusCode == HttpStatusCode.OK)
        {
            //Stream webStream = webResponse.GetResponseStream();
            StreamReader responseReader = new
StreamReader(webResponse.GetResponseStream());
            jsonResponseData = responseReader.ReadToEnd();

            responseReader.Close();
        }
    }
    catch (Exception ex)
    {
        throw ex;
    }
}
```

```
        return jsonResponseData;
    }

}

}
```

Code Examples in the AgilePoint NX Documentation

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Methods

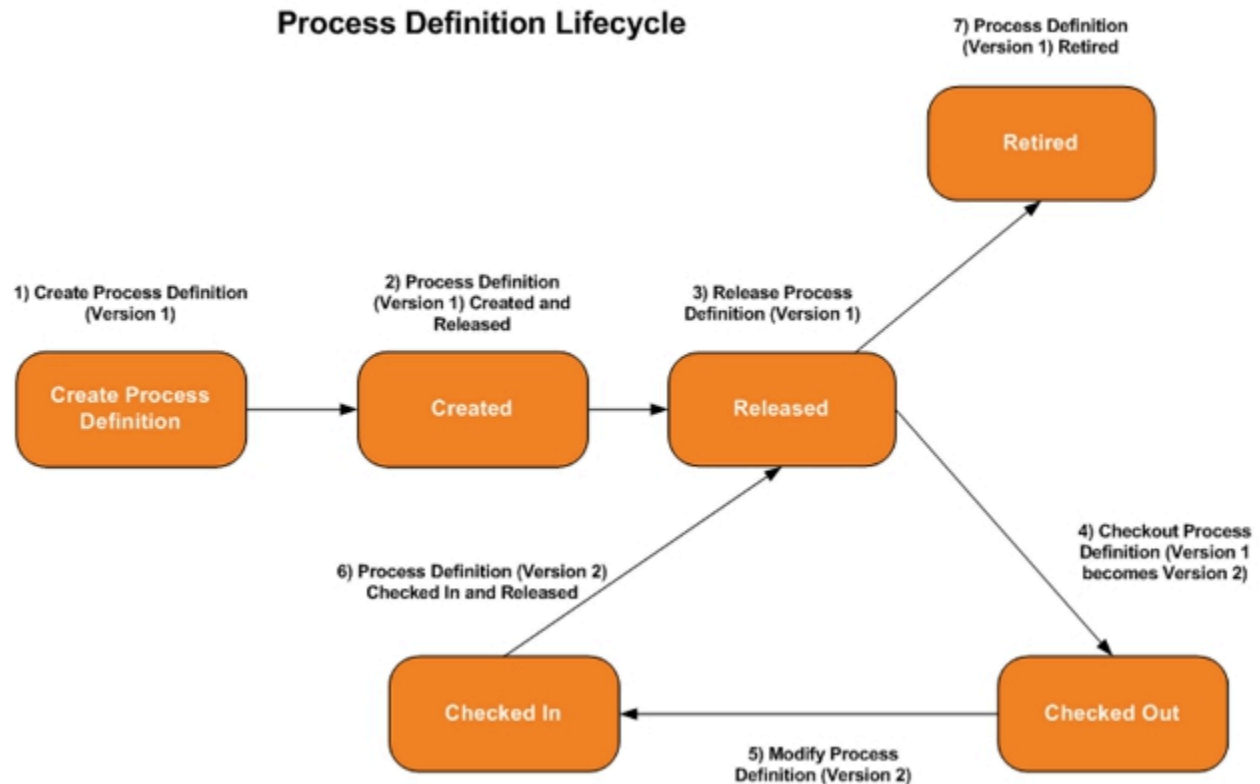
This section includes references for all methods within the AgilePoint REST API.

Process Definition Methods

This section describes how process definitions are managed. The AgilePoint server supports version control to make sure that process definitions are archived and maintained for later use. A process definition can spawn many process instances. Employing version controls allows the AgilePoint Server to store multiple versions of a single process definition.

The project lifecycle of a process definition can be defined by the following steps:

1. **Create Process Definition** – Create a process definition. The version for the initial process definition is version 1.
2. **Created** – Confirm that the process definition has been created.
3. **Release process definition** – Once a process definition has been created, it must be "released." This allows the process definition to be checked out and edited/modified.
4. **Check out process definition** – If changes or modifications are made, the process definition is "checked out." Changes can then be made to the process definition.
5. **Modify process definition** – After a process definition has been checked out, changes can be made to the process definition.
6. **Check in process definition** – Once all changes/modifications have been made, the process definition is checked in, so the changes are committed to the process definition. The process definition is now version 2.
7. **Retire process definition** – Once version 2 of the process definition has been checked in, the previous version 1 is retired. Retired process definitions can also be deleted.



Check In Process Definition

API Type

REST

HTTP Method

POST

Description

Checks in the [process model](#) (process definition) with an XML deployment file.

Good to Know

- A new version of the process model is created with the status [Created](#).
- To call this method, the API account user must have the [access right](#), **Checkin and Checkout a Process Model**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CheckinProcDef

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CheckinProcDef

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
xml	<p><u>Description:</u></p> <p>Specifies a process definition in XML format.</p> <p>To generate the process definition file in XML format, in AgilePoint Envision, click File > Export & Import > Save As Deploying File(xml). You can also download the process definition XML from AgilePoint Enterprise Manager.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains process definition in XML format.</p>

JavaScript Code Example

```
$("#btnCheckinProcDef").click(function () {
    var JSONObject = { xml: '<process template XML string>' };
    $.ajax({
```

```
url: "https://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef",
data: JSON.stringify(JSONObject)
});
});
```

Java Code Example

```
public String CheckinProcDef() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("xml", "<process template XML string>");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string CheckinProcDef()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/CheckinProcDef";

    string jsonRequestData = "{\"xml\": \"<process template XML string>\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.PostXml(URI, jsonRequestData);
}
```

Output

A new process definition ID.

JSON Response Body Example

```
{
  GetReleasedPIDResult: "String content"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Check Out Process Definition

API Type

REST

HTTP Method

POST

Description

This method is used to manage [process model](#) (process definition) versioning by setting the process model status to [CheckedOut](#) based on a given [process model ID](#).

Good to Know

- Only process models with the [Released status](#) can transition into the [CheckedOut](#) status.
- To call this method, the API account user must have the [access right](#), **Checkin and Checkout a Process Model**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CheckoutProcDef/[processTemplateID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CheckoutProcDef/[processTemplateID]

Request Parameters

Name	Description
processTemplateID	<p><u>Description:</u></p> <p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

JavaScript Code Example

```

$("#btnCheckoutProcDef").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            CheckoutProcDef/C769BA234EFD421B8B95A525B972E511",
    });

});

```

Java Code Example

```
public String CheckoutProcDef() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CheckoutProcDef/C769BA234EFD421B8B95A525B972E511";

    HTTPOperations ops = new HTTPOperations(domain, userName,
                password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string CheckoutProcDef()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CheckoutProcDef/C769BA234EFD421B8B95A525B972E511";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                password, appID, locale);

    return ops.POSTMethod(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST --data

{"PROCESSTEMPLATEID":\:"827228D244B4F4D91177678EEC9B226D\"}
```

```
https://mydomain:9011/AgilePointServer/Workflow/  
CheckoutProcDef/827228D244B4F4D91177678EEC9B226D
```

Output

The process definition, in XML format, that has been checked out.

JSON Response Body Example

```
"<?xml version=\\"1.0\\" encoding=\\"utf-8\\" standalone=\\"no\\"?>  
  \u000d\u000a<?wfmc-xpdl xmlns=\\"http://www.wfmc.org/2002/XPDL1.0\\"  
    xmlns:xpdl=\\"http://www.wfmc.org/2002/XPDL1.0\\"  
  
  xsi:schemaLocation=\\"http://www.wfmc.org/2002/XPDL1.0\\"?>  
  \u000d\u000a<!--Process Definition, Copyright 2003-2004  
  Ascentn Corporation, All Rights Reserved.-->\u000d\u000a  
  <ProcessDefinition>...</ProcessDefinition>"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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Create Process Definition

API Type

REST

HTTP Method

POST

Description

Adds a new [process model](#) (process definition) to [AgilePoint Server](#).

Good to Know

- To call this method, the API account user must have the [access right, Add a Process Model](#).
- The input parameter is a process model XML that is parsed to create a process model.
- If the process model count exceeds, the [license](#) limit for allowed process models and creation of process model fails.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/CreateProcDef`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/CreateProcDef`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
xml	<p><u>Description:</u></p> <p>Specifies a process definition in XML format.</p> <p>To generate the process definition file in XML format, in AgilePoint Envision, click File > Export & Import > Save As Deploying File(xml). You can also download the process definition XML from AgilePoint Enterprise Manager.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains process definition in XML format.</p>

JavaScript Code Example

```

$("#btnCreateProcDef").click(function () {

    var JSONData = { xml: '<process template XML string>' };

    $.ajax({
        url: 'https://mydomain:9011/AgilePointServer/Workflow/CreateProcDef',
        data: JSON.stringify(JSONData)
    });
});

```

Java Code Example

```

public String CreateProcDef() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateProcDef";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

```

```
JSONObject postData = new JSONObject();

postData.put("xml", "<process template XML string>");

return ops.POSTMethod(URI, postData.toString());
return "";
}
```

C# Code Example

```
public string CreateProcDef()
{
    string URL= "https://mydomain:9011/AgilePointServer/Workflow/CreateProcDef";

    string jsonRequestData = "{
        \"xml\": \"' + '<process template XML string>' + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

Output

Unique ID of the process definition, which the AgilePoint system generates.

JSON Response Body Example

```
"String content"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Delete Process Definition

API Type

REST

HTTP Method

POST

Description

Permanently deletes the [process model](#) (process definition) and all of the [process instances](#) associated with the process model.

Good to Know

- The process model cannot be deleted if one or more process instances associated with the process model is [running](#) or [Suspended](#).
- The function may take a long time to execute if there are many process instances associated with the process model.
- To call this method, the API account user must have the [access right](#), **Delete and Disable a Process Model**.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/DeleteProcDef/[processTemplateID]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/DeleteProcDef/[processTemplateID]

Request Parameters

Name	Description
processTemplateID	<p><u>Description:</u></p> <p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

JavaScript Code Example

```
$("#btnDeleteProcDef").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            DeleteProcDef/C769BA234EFD421B8B95A525B972E511",
        dataType: "text"
    });
});
```

Java Code Example

```
public String DeleteProcDef() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        DeleteProcDef/C769BA234EFD421B8B95A525B972E511";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
```

```
JSONObject postData = new JSONObject();

return ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string DeleteProcDef()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                DeleteProcDef/C769BA234EFD421B8B95A525B972E511";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                           password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      -X POST
      -d
      '{"PROCESSTEMPLATEID":{"827128D244B4F4D9117761432720CC92}}'
      https://mydomain:9011/AgilePointServer/Workflow/
      DeleteProcDef/827128D244B4F4D9117761432720CC92
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

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Get Base Process Definition ID

API Type

REST

HTTP Method

GET

Description

Retrieves the base [process model ID](#) with the specified process model (process definition) name.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetBaseProcDefID/[procDefName]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/GetBaseProcDefID/[procDefName]`

Request Parameters

Name	Description
procDefName	<p><u>Description:</u></p> <p>The name of the process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One line of text (a string).</p> <p><u>Accepted:</u></p> <ul style="list-style-type: none"> • Letters • Numbers • Spaces

JavaScript Code Example

```

$("#btnGetBaseProcDefID").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetBaseProcDefID/ProcessMapApproval",
        type: "GET"
    });

});

```

Java Code Example

```

public String GetBaseProcDefID() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetBaseProcDefID/ProcessMapApproval";
}

```

```
HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

return ops.GETMethod(URI);
}
```


C# Code Example

```
public string GetBaseProcDefID()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetBaseProcDefID/Test2";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
    https://mydomain:9011/AgilePointServer/Workflow/
    GetBaseProcDefID/SampleProcessModel
```

Output

string that contains the base process definition ID.

JSON Response Body Example

```
{
  "GetBaseProcDefIDResult": "5990FB41783F4C7F86E3452AFD62BB8E"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Process Definition By Base Process ID

API Type

REST

HTTP Method

GET

Description

Retrieves all versions of the [process model](#) (process definition) with the specified base [process model ID](#).

URL Format (OnPremises, Private Cloud)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/GetProcDefByBasePID/\[baseprocessTemplateID\]](https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefByBasePID/[baseprocessTemplateID])

Request Parameters

Name	Description
baseprocessTemplateID	<p><u>Description:</u></p> <p>The ID of the base process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid base process definition ID.</p>

JavaScript Code Example

```

$("#btnGetProcDefByBasePID").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcDefByBasePID/519B54C80B90492AA198F861FDA32E40",
        type: "GET"
    });

});

```

Java Code Example

```

public String GetProcDefByBasePID() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcDefByBasePID/519B54C80B90492AA198F861FDA32E40 ";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}

```

C# Code Example

```
public string GetProcDefByBasePID()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetProcDefByBasePID/519B54C80B90492AA198F861FDA32E40";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                           password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetProcDefByBasePID/827028D244B4F4D91177567304197A81
```

Output

Array of WFBaseProcessDefinition objects.

JSON Response Body Example

```
{
  "GetProcDefByBasePIDResult": [{
    "ApplName": "MyApplication",
    "AssemblyName": "",
    "AuditLevel": 0,
    "BaseDefID": "5990FB41783F4C7F86E3452AFD62BB8E",
    "CheckedOutBy": "",
    "CheckedOutDate": "\/Date(928149600000+0000)\/",
    "ClassName": "",
    "CreatedBy": "mydomain\\administrator",
    "CreatedDate": "\/Date(928149600000+0000)\/",
    "DefID": "24D6EDE684514E4684A6F0C1BB675566",
    "DefName": "ProcessMapApproval",
```

```
"Description": "",
"Diagnostic": false,
"DocRef": "",
"ExpectedTime":
{
  "BusinessTime": false,
  "Length": "1",
  "Unit":
  {
    "Value": 2
  }
},
"InitiateConstraint": 2,
"MaximumSessionAllowed": 0,
"OnComplete": 0,
"Owner": "administrator",
"PreVersion": "1.21",
"ReleaseDate": "\\Date(928149600000+0000)\\/",
"Rule": null,
"Status": "Created",
"SupplementInfo": "",
"Version": "1.0"
}
]}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Process Definition Graphics

API Type

REST

HTTP Method

GET

Description

Retrieves graphical data for the [process model](#) (process definition) in XML format.

Good to Know

- The graphical data is used to show the [process](#) visually in the [Process Viewer](#).

URL Format (OnPremises, Private Cloud)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/GetProcDefGraphics/\[processID\]](https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefGraphics/[processID])

URL Format (OnDemand)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/GetProcDefGraphics/\[processID\]](https://[domain]:[port]/AgilePointService/Workflow/GetProcDefGraphics/[processID])

Request Parameters

Name	Description
processID	<p><u>Description:</u></p> <p>The process definition ID for a released process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>

JavaScript Code Example

```
$("#btnGetProcDefGraphics").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetProcDefGraphics/FFF216089A274862BA56223B3E087A82",  
        type: "GET"  
    });  
});
```

Java Code Example

```
public String GetProcDefGraphics() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefGraphics/FFF216089A274862BA56223B3E087A82";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetProcDefGraphics()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefGraphics/FFF216089A274862BA56223B3E087A82";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetProcDefGraphics/827128D244B4F4D91177617E951A326F
```

Output

Graphics object in XML format.

JSON Response Body Example

```
{
  "GetProcDefGraphicsResult": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <Graphics>...</Graphics>"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Process Definition Name and Version

API Type

REST

HTTP Method

GET

Description

Retrieves the name and version of the [process model](#) (process definition) with the specified [process model ID](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefNameVersion/[processTemplateID]`

Request Parameters

Name	Description
processTemplateID	<p><u>Description:</u></p> <p>The process definition ID for a released process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>

JavaScript Code Example

```
$("#btnGetProcDefNameVersion").click(function () {  
  
    $.ajax({
```

```
url: "https://mydomain:9011/AgilePointServer/Workflow/
      GetProcDefNameVersion/FFF216089A274862BA56223B3E087A82",
type: "GET"
});

});
```

Java Code Example

```
public String GetProcDefNameVersion() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                 GetProcDefNameVersion/FFF216089A274862BA56223B3E087A82";

    HTTPOperations ops = new HTTPOperations(domain, userName,
                                             password, appID, locale);

    return ops.GETMethod(URI);
}
```


C# Code Example

```
public string GetProcDefNameVersion()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                 GetProcDefNameVersion/FFF216089A274862BA56223B3E087A82";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                             password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetProcDefNameVersion/827128D244B4F4D9117761432720CC92
```

Output

`KeyValue` object, where Key contains process definition name and Value contains version.

JSON Response Body Example

```
{
  "GetProcDefNameVersionResult": {
    "Key": "ProcessMapApproval",
    "Value": "1.01"
  }
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get All Process Definitions

API Type

REST

HTTP Method

GET

Description

Retrieves all versions of all [process models](#) (process definitions).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefs

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetProcDefs

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetProcDefs").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetProcDefs",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetProcDefs() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetProcDefs";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,
```

```
        password, appID, locale);

    return ops.GETMethod(URI);
}
```


C# Code Example

```
public string GetProcDefs()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/GetProcDefs";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtdNDI0XEFkbWluOnBhc3M="

https://mydomain:9011/AgilePointServer/Workflow/GetProcDefs
```

Output

An array of WFBaseProcessDefinition objects.

JSON Response Body Example

```
{
  "GetProcDefsResult": [{
    "ApplName": "MyApplication",
    "AssemblyName": "",
    "AuditLevel": 0,
    "BaseDefID": "00C1D40833204A348DC9D302ED55A0C3",
    "CheckedOutBy": "",
    "CheckedOutDate": "\/Date(928149600000+0000)\/",
    "ClassName": "",

```

```
"CreatedBy": "mydomain\\administrator",
"CreateDate": "\/Date(928149600000+0000)\/",
"DefID": "00C1D40833204A348DC9D302ED55A0C3",
"DefName": "BudgetRequest",
"Description": "",
"Diagnostic": false,
"DocRef": "",
"ExpectedTime":
{
  "BusinessTime": false,
  "Length": "1",
  "Unit":
  {
    "Value": 2
  }
},
"InitiateConstraint": 2,
"MaximumSessionAllowed": 0,
"OnComplete": 0,
"Owner": "administrator",
"PreVersion": "",
"ReleaseDate": "\/Date(928149600000+0000)\/",
"Rule": null,
"Status": "Retired",
"SupplementInfo": "",
"Version": "1.0"
}]
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Process Definition Supplement Information

API Type

REST

HTTP Method

GET

Description

Retrieves [process model](#) (process definition) supplement information.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]

Request Parameters

Name	Description
processDefinitionID	<u>Description:</u> The unique reference ID for a process definition.

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique process definition reference ID.</p>
activityDefinitionID	<p><u>Description:</u></p> <p>The reference ID for the XML that defines an activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity definition ID.</p>

JavaScript Code Example

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
  GetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/C769BA234EFD421B8B95A525B972
  E511",
  type: "GET"
});
```

Java Code Example

```
public String GetProcDefSupplement() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
  GetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/
  C769BA234EFD421B8B95A525B972E511" ;


  HTTPOperations ops = new HTTPOperations(domain, userName,
  password, appID, locale);
```

```
return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetProcDefSupplement()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefSupplement/CFF4B6D3DBF546A2B0423AD413A94420/  
                C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="   
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetProcDefSupplement/827128D244B4F4D91177617E951A326F/  
      827128D244B4F4D91177617E9B21F523
```

Output

A byte of array represented as base64 encoded string.

JSON Response Body Example

```
{  
  "GetProcDefSupplementResult": [  
    60,  
    65,  
    99,  
    111,  
    114,  
    109,  
  ]  
}
```

```
62  
  ]  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Process Definition XML

API Type

REST

HTTP Method

GET

Description

Retrieves a [process model](#) in XML format for the specified [process model ID](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetProcDefXml/[processTemplateID]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetProcDefXml/[processTemplateID]

Request Parameters

Name	Description
processTemplateID	<p><u>Description:</u></p> <p>The process definition ID for a released process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>

JavaScript Code Example

```
$("#btnGetProcDefXml").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetProcDefXml/FFF216089A274862BA56223B3E087A82",  
        type: "GET"  
    });  
  
});
```

Java Code Example


```
public String GetProcDefXml() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefXml/FFF216089A274862BA56223B3E087A82";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                password, appID, locale);
```

```
return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetProcDefXml()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcDefXml/FFF216089A274862BA56223B3E087A82";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="   
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetProcDefXml/827128D244B4F4D9117761432720CC92
```

Output

string that contains XML format of the process definition.

JSON Response Body Example

```
{  
  "GetProcDefXmlResult":  
  "<?xml version=\"1.0\" encoding=\"utf-8\" standalone=\"no\"?>  
  <ProcessDefinition>...</ ProcessDefinition>"  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Released Process Definition ID

API Type

REST

HTTP Method

GET

Description

Gets the [process model IDs](#) of all released version of the [process model](#) (process definition) with the specified process model name.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetReleasedPID/[procDefName]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetReleasedPID/[procDefName]

Request Parameters

Name	Description
procDefName	<p><u>Description:</u></p> <p>The name of the process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One line of text (a string).</p> <p><u>Accepted:</u></p> <ul style="list-style-type: none">• Letters• Numbers• Spaces

JavaScript Code Example

```
$("#btnGetReleasedPID").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetReleasedPID/ProcessMapApproval",  
        type: "GET"  
    });  
  
});
```


Java Code Example

```
public String GetReleasedPID() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetReleasedPID/ProcessMapApproval";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetReleasedPID()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetReleasedPID/ProcessMapApproval";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetReleasedPID/samplproc2
```

Output

The ID for the released process definition.

JSON Response Body Example

```
{
  "GetReleasedPIDResult": "6C7029387DB64567BFFA0F625D4314BE"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Released Process Definitions

API Type

REST

HTTP Method

GET

Description

Retrieves the names and IDs of all released [process models](#) (process definitions).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetReleasedProcDefs

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetReleasedProcDefs

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetReleasedProcDefs").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetReleasedProcDefs",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetReleasedProcDefs() {  
  
    String URI =  
    "https://mydomain:9011/AgilePointServer/Workflow/GetReleasedProcDefs";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetReleasedProcDefs()
{
    string URI =
    "https://mydomain:9011/AgilePointServer/Workflow/GetReleasedProcDefs";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
https://mydomain:9011/AgilePointServer/Workflow/GetReleasedProcDefs
```

Output

KeyValue array for pairs of process definition IDs and process definition names.

JSON Response Body Example

```
{
  "GetReleasedProcDefsResult": [
    {
      "Key": "6C7029387DB64567BFFA0F625D4314BE",
      "Value": "ProcessMapApproval"
    }
  ]
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Release Process Definition

API Type

REST

HTTP Method

POST

Description

Releases the [process model](#) (process definition) with the specified [process model ID](#) from [AgilePoint Server](#).

Good to Know

- The [status](#) of the process model changes from [Created](#) to [Released](#).
- To call this method, the API account user must have the [access right](#), **Release a Process Model**.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/ReleaseProcDef/[processTemplateID]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/ReleaseProcDef/[processTemplateID]

Request Parameters

Name	Description
processTemplateID	<p><u>Description:</u></p> <p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

JavaScript Code Example

```
$("#btnReleaseProcDef").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            ReleaseProcDef/C769BA234EFD421B8B95A525B972E511",  
        dataType: "text"  
    });  
});
```

Java Code Example

```
public String ReleaseProcDef() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
        ReleaseProcDef/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);
```

```
JSONObject postData = new JSONObject();

return ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string ReleaseProcDef()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                ReleaseProcDef/C769BA234EFD421B8B95A525B972E511";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                           password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
      {"PROCESSTEMPLATEID":\ "827028D244B4F4D9117757492322F5E6\ " }
      https://mydomain:9011/AgilePointServer/Workflow/
      ReleaseProcDef/827028D244B4F4D9117757492322F5E6
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Set Process Definition Supplement Information

API Type

REST

HTTP Method

POST

Description

Sets supplement information related to a [process model](#) (process definition).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/SetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/SetProcDefSupplement/[processDefinitionID]/[activityDefinitionID]

Request Parameters

Name	Description
processDefinitionID	<p><u>Description:</u></p> <p>The unique reference ID for a process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique process definition reference ID.</p>
activityDefinitionID	<p><u>Description:</u></p> <p>The reference ID for the XML that defines an activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity definition ID.</p>

JavaScript Code Example

```
$("#btnSetProcDefSupplement").click(function () {

    var formDefBytes = GetFormDefinitionBytes(formDefXml); // Converts AgileForm
    definition
                                                                // XML string to a byte
    array.

    var JSONObject = { supplementInfo: formDefBytes};
```

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
SetProcDefSupplement/CF4B6D3DBF546A2B0423AD413A94420/C769BA234EFD421B8B95A525B972
E511",
  dataType: "text",
  data: JSON.stringify(JSONObject)
});
});
```

Java Code Example

```
public void SetProcDefSupplement() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
SetProcDefSupplement/CF4B6D3DBF546A2B0423AD413A94420/
C769BA234EFD421B8B95A525B972E511";

  HTTPOperations ops = new HTTPOperations(domain, userName,
password, appID, locale);

  JSONObject postData = new JSONObject();

  ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string SetProcDefSupplement()
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
SetProcDefSupplement/CF4B6D3DBF546A2B0423AD413A94420/
C769BA234EFD421B8B95A525B972E511";

  var formDefBytes = GetFormDefinitionBytes(formDefXml); // Converts AgileForm
definition XML string to a byte array.

  var JSONObject = "{\"supplementInfo\": \"formDefBytes\"}";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
password, appID, locale);
```

```
return ops.POSTMethod(URI, jsonRequestData
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"supplementInfo\":"formDefBytes\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      SetProcDefSupplement/{827128D244B4F4D91177617E951A326F}/
      827128D244B4F4D91177617E9B21F523
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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Undo Checkout Process Definition

API Type

REST

HTTP Method

POST

Description

Undoes a check-out for a [process model](#) (process definition).

Good to Know

- This method returns the [status](#) of a process model from [CheckedOut](#) to [Released](#) without making changes to the process model, or changing the version number.
- To call this method, the API account user must have the [access right](#), **Checkin and Checkout a Process Model**.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/UnCheckOutProcDef/[processTemplateID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/UnCheckOutProcDef/[processTemplateID]`

Request Parameters

Name	Description
processTemplateID	<p><u>Description:</u></p> <p>The unique identifier for the process definition to be checked out for modification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template ID</p>

JavaScript Code Example

```

$("#btnUncheckoutProcDef").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            UncheckoutProcDef/C769BA234EFD421B8B95A525B972E511",
        dataType: "text"
    });

});

```

Java Code Example

```

public String UncheckoutProcDef() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        UncheckoutProcDef/C769BA234EFD421B8B95A525B972E511";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

```

```
return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string UncheckoutProcDef()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                UncheckoutProcDef/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data  
{\"PROCESSTEMPLATEID\": \"827228D244B4F4D91177678FF5651F3D\"}  
      https://mydomain:9011/AgilePointServer/Workflow/  
      UncheckoutProcDef/827228D244B4F4D91177678FF5651F3D
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Update Process Definition

API Type

REST

HTTP Method

POST

Description

Updates the [process model](#) (process definition) with the new version of XML based process model file.

Good to Know

- This method is intended for minor changes only, such as typographical errors.
- **Warning:** Changes made with this method circumvent version control, meaning changes are not tracked, and versions can not be managed. Do not use this call for making any major changes to the process model.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/UpdateProcDef`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/UpdateProcDef

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
xml	<p><u>Description:</u></p> <p>Specifies a process definition in XML format.</p> <p>To generate the process definition file in XML format, in AgilePoint Envision, click File > Export & Import > Save As Deploying File(xml). You can also download the process definition XML from AgilePoint Enterprise Manager.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains process definition in XML format.</p>

JavaScript Code Example

```
$("#btnUpdateProcDef").click(function () {

    var JSONData = { xml: '<process template XML string>' };

    $.ajax({
        url: 'https://mydomain:9011/AgilePointServer/Workflow/UpdateProcDef',
        data: JSON.stringify(JSONData)
    });
});
```

```
});  
});
```

Java Code Example

```
public String UpdateProcDef() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/UpdateProcDef";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    postData.append("xml", "<process template XML string>");  
  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

C# Code Example

```
public string UpdateProcDef()  
{  
  
    string jsonRequestData = "{  
        \"xml\": \"\" + '<process template XML string>' + \"\"";  
  
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/UpdateProcDef";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URL, jsonRequestData);  
  
}
```

Output

Returns the unique identifier for the process definition that is updated.

JSON Response Body Example

```
"String content"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Methods for Process Instances

This section describes service calls related to process instances.

Archive Process Instance by ID

API Type

REST

HTTP Method

POST

Description

Archives a [process instance](#) based on the specified process instance identifier by moving the set of process instance records from the workflow database to the archive database.

Good to Know

- The process instance records and all of the associated data are deleted from the AgilePoint database.
- The process instance to be archived must be in [Completed](#) or [Cancelled status](#).
- If you archive a process instance, and find that the same process instance was archived, it first deletes the old instance record from the archive database before archiving.
- To call this method, the API account user must have the [access right, Archive and restore process\(es\)](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/ArchiveProInst/[proInstID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/ArchiveProInst/[proInstID]

Request Parameters

Name	Description
proInstID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```
$("#btnArchiveProcInst").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            ArchiveProcInst/0008D8ACD70B4D38955F0777C5433963",
        dataType: "text"
    });

});
```

Java Code Example

```
public void ArchiveProcInst(){
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        ArchiveProcInst/0008D8ACD70B4D38955F0777C5433963";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string ArchiveProcInst()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
        ArchiveProcInst/0008D8ACD70B4D38955F0777C5433963";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
      {"PROCINSTID\":"827028D244B4F4D911775FD417AEC1BE\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      ArchiveProcInst/827028D244B4F4D911775FD417AEC1BE
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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Create Process Instance

API Type

REST

HTTP Method

POST

Description

Creates a [process instance](#) for a specified [process instance ID](#) and parameters.

Good to Know

- To call this method, the [process initiator](#) must have the access control, **Initiate a Process**.
- You can not create a process instance for a [process model](#) with the Initiate constraint as child [process](#).
- The [process instance ID](#) and process instance name parameters must be unique.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CreateProInst

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CreateProInst

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Attributes	<p><u>Description:</u></p> <p>Name-value pairs associated with a custom ID.</p> <p><u>Type</u></p> <p>NameValue</p> <p><u>Allowed Values:</u></p> <p>A valid custom ID with an associated name.</p>
blnStartImmediately	<p><u>Description:</u></p> <p>An obsolete, legacy parameter that must be true.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <p>True</p>
CustomID	<p><u>Description:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>
Initiator	<p><u>Description:</u></p> <p>Specifies the user who initiates a process.</p> <p><u>Type</u></p>

Name	Description
	<p>string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ProcessID	<p><u>Description:</u> The process definition ID for a released process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>
ProcessInstID	<p><u>Description:</u> A process instance ID for the process instance you are creating.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A unique, 32 character process instance ID. If you set this value to null, the AgilePoint Server generates the ID.</p>
ProclnstName	<p><u>Description:</u> A unique process name that is associated with the process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A unique process instance name up to 1024 characters.</p>
SuperProclnstID	<p><u>Description:</u></p>

Name	Description
	<p>A process instance ID that acts as a parent process instance of the process instance that is intended to create. In other words, this is the ID of the process instance on which you want to base your new process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character process instance ID.</p>
WorkObjID	<p><u>Description:</u> An ID for an object, such as a document, that is associated with the process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 256-character ID. Even though the field size is 256 characters, in common practice, this will usually return a 32-character GUID.</p>
WorkObjInfo	<p><u>Description:</u> Usually this parameter is used to hold supplemental information about the work object, such as a URL for a document, within the process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string up to 1024 characters.</p>

These properties are based on the class [CreateProclnstHelper](#)

JavaScript Code Example

```
$("#btnCreateProcInst").click(function () {

$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/GetUUID",
  type: "GET",
  success: function (data) {
    $("#Hidden1").val(data);

    var JSONObject = {
      ProcessID: "55D6D7F802B5450D95026297ADCAD8C3",
      ProcessInstID: $("#Hidden1").val(), // "0FD3088F40B640D4AFE41AEEBDAE0004",
      ProcInstName: "Process Map Approval - " + $("#Hidden1").val(),
      WorkObjID: $("#Hidden1").val(), // "0FD3088F40B640D4AFE41AEEBDAE0004",
      WorkObjInfo: null,
      SuperProcInstID: null,
      Initiator: "mydomain\\andy",
      CustomID: $("#Hidden1").val(), // "0FD3088F40B640D4AFE41AEEBDAE0004",
      Attributes: [{ Name: "test1", Value: "test123" },
        { Name: "test2", Value: "test1234"}],
      blnStartImmediately: true
    };

$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/CreateProcInst",
  data: JSON.stringify(JSONObject)
});
}
});
});
```

Java Code Example

```
public String CreateProcInst() {

String URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateProcInst";

HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

JSONObject postData = new JSONObject();
```

```

postData.put("ProcessID", "D91BE666F2044DDEAF5BD202FBBE2467");
postData.put("ProcessInstID", "P91BE666F2044DDEAF5BD202FBBE2467");
postData.put("ProcInstName", "Process Map Approval - ");
postData.put("WorkObjID", "MN1BE666F2044DDEAF5BD202FBBE2467");
postData.put("WorkObjInfo", "");
postData.put("SuperProcInstID", "");
postData.put("Initiator", "mydomain\\andy");
postData.put("CustomID", "MN1BE666F2044DDEAF5BD202FBBE2467");
postData.put("Attributes", "");
postData.put("blnStartImmediately", "true");
return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string CreateProcInst()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/CreateProcInst";

    string jsn = "{
        \"ProcessID\": \"E357D828D30840619AEC176913107B34\",
        \"ProcessInstID\": \"4802495DCA8840EFAEE2943028EFAFEE\",
        \"ProcInstName\": \"Testmail-9B29EC6254C64769BDE19D18A876B9A5\",
        \"WorkObjID\": \"4909A27224CE41BEA2FAB52A026CBBC5\",
        \"WorkObjInfo\": \"\" + null + "\",
        \"SuperProcInstID\": \"\" + null + "\",
        \"Initiator\": \"mydomain\\andy\",
        \"CustomID\": \"0FD3088F40B640D4AFE41AEEBDAE0004\",
        \"Attributes\": [{\"Name\": \"Test\",
        \"Value\": \"Tom\"}],
        \"blnStartImmediately\": true}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsn);
}

```

cURL Code Example

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"CustomID\":"827128D244B4F4D91177617E9B21F51E",
            \Initiator\":"mydomain\\andy",

            \ProcInstName\":"SampleProcessModel-2017-07-05T18:06:49:370",
            \ProcessID\":"827128D244B4F4D91177617E951A326F",
            \ProcessInstID\":"827128D244B4F4D91177617E9B21F51D",
            \SuperProcInstID\":"827128D244B4F4D91177617F0180A8DB",
            \WorkObjID\":"827128D244B4F4D91177617E9B21F51E"}

https://mydomain:9011/AgilePointServer/Workflow/CreateProcInst
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "4D321D98F53040238A9E619F6D061C35",
  "EventName": "CreateProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
                <WFEvent>...</WFEvent>",
```

```
"ParentProcInstID": "",
"ProcDefID": "5990FB41783F4C7F86E3452AFD62BB8E",
"ProcInstID": "AE51C821020D4EA498E4B8A37476BA2D",
"ProcInstName": "xyz - ",
"Sender": "mydomain\\administrator",
"SentDate": "\\Date(1394136973755+0000)\\",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "F891306E42D56C8D6892172210AC75D1B1588010
          CBE1DDC25B73F5FAF3150018C8E23C2E75FC94F9
          B28AAD995769C2C5 BF1C25251A18BE0A83F1D53
          45A807FBB87BED155D4D09D2C2677AD86E13018E
          28613E4EBFBEB53C90B4C428ECE625F63",
"WorkItemID": "",
"WorkObjectID": "0C5857DFAEF14655B42FF8932BA489B2",
"WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Cancel Process Instance

API Type

REST

HTTP Method

POST

Description

Cancels the [process instance](#) based on a specified [Create Process Instance](#).

Good to Know

- This method cancels all [system activities](#), [human tasks](#), and child process instances.
- To call this method, the API account user must have the [access right](#), **Cancel a Process**.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/CancelProclnst/[processInstanceID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/CancelProclnst/[processInstanceID]`

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid process instance ID

JavaScript Code Example

```
$("#btnCancelProcInst").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            CancelProcInst/248685A175F54C12A9A80353798B4508",  
    });  
  
});
```

Java Code Example

```
public String CancelProcInst() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                CancelProcInst/248685A175F54C12A9A80353798B4508";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string CancelProcInst()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                CancelProcInst/248685A175F54C12A9A80353798B4508";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

cURL Code Example

- ! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      -X POST -d
      '{"PROCESSINSTANCEID":{"827028D244B4F4D9117757491D0C4F53}}'
      https://mydomain:9011/AgilePointServer/Workflow/
      CancelProcInst/827028D244B4F4D9117757491D0C4F53
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\/",
  "Entries": 1,
  "Error": null,
  "EventID": "B501460A104444C487DEE1B16DD1A7CF",
  "EventName": "CancelProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"355E739A362A46D5B987AEF3951DF9F5\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
    </WFEvent>
  "
```

```
        </WFEvent>" ,
    "ParentProcInstID": " " ,
    "ProcDefID": " " ,
    "ProcInstID": " 355E739A362A46D5B987AEF3951DF9F5 " ,
    "ProcInstName": " " ,
    "Sender": "mydomain\\administrator" ,
    "SentDate": " \\/Date(1394137494815+0000)\/ " ,
    "SourceWorkItemID": " " ,
    "Status": "Sent" ,
    "UserID": " " ,
    "WorkItemID": " " ,
    "WorkObjectID": " " ,
    "WorkObjectInfo": " "
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Delete Process Instance

API Type

REST

HTTP Method

POST

Description

Permanently deletes a [process instance](#).

Good to Know

- This method removes the specified process instance and all the associated data from the database, such as [work items](#), e-mails, and [activity instances](#) associated with this process instance.
- This method can only delete the process instance with the [status Completed](#) or [Cancelled](#).
- It may take some time to complete this transaction.
- To call this method, the API account user must have the [access right, Cancel a Process](#).

URL Format (OnPremises, Private Cloud)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/DeleteProclnst/\[processInstanceID\]](https://[domain]:[port]/AgilePointServer/Workflow/DeleteProclnst/[processInstanceID])

URL Format (OnDemand)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/DeleteProclnst/\[processInstanceID\]](https://[domain]:[port]/AgilePointService/Workflow/DeleteProclnst/[processInstanceID])

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```
$("#btnDeleteProcInst").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            DeleteProcInst/248685A175F54C12A9A80353798B4508",  
        dataType: "text"  
    });  
  
});
```

Java Code Example

```
public String DeleteProcInst() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                DeleteProcInst/248685A175F54C12A9A80353798B4508";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string DeleteProcInst()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                DeleteProcInst/248685A175F54C12A9A80353798B4508";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

cURL Code Example

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      -X POST
      -d
      '{"PROCESSINSTANCEID":{"827128D244B4F4D91177613F8E69B2BB}}'
      https://mydomain:9011/AgilePointServer/Workflow/
      DeleteProcInst/827128D244B4F4D91177613F8E69B2BB
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Events By Process Instance ID

API Type

REST

HTTP Method

GET

Description

Retrieves all the events that have occurred for a specified process instance.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetEventsByProclnInstID/[processInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetEventsByProclnInstID/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```
$("#btnGetEventsByProcInstID").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetEventsByProcInstID/0FD3088F40B640D4AFE41AEEDBAE914B",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetEventsByProcInstID() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetEventsByProcInstID/0FD3088F40B640D4AFE41AEEDBAE914B";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetEventsByProcInstID()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetEventsByProcInstID/0FD3088F40B640D4AFE41AEEDBAE914B";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetEventsByProcInstID/827028D244B4F4D9117757491D0C4F53
```

Output

An array of [WFEvent](#) objects.

JSON Response Body Example

```
{
  "GetEventsByProcInstIDResult": [{
    "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
    "AutoStart": true,
    "CustomAttributes": null,
    "Diagnostic": true,
    "EndDate": "\/Date(1390001063407+0000)\/",
    "Entries": 0,
    "Error": "",
    "EventID": "4858621DD6584477A663A665D03A7181",
    "EventName": "CompleteWorkItem",
    "HighPriority": false,
    "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
      <WFEvent>
        <param name=\"ProcInstID\"
          value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \\/>
        <param name=\"ActivityInstID\"
          value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \\/>
        <param name=\"WorkItemID\"
          value=\"9FA1E98B85264545A62384A57D24FFF4\" \\/>
      <\WFEvent>",
    "ParentProcInstID": "",
    "ProcDefID": "",
    "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
    "ProcInstName": "",
    "Sender": "mydomain\\administrator",
    "SentDate": "\/Date(1390001063287+0000)\/",
```

```
"SourceWorkItemID": "",
"Status": "Processed",
"UserID": "",
"WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
"WorkObjectID": "",
"WorkObjectInfo": ""
}1
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Process Instance

API Type

REST

HTTP Method

GET

Description

Retrieves information about a specified [process instance](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcInst/[processInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetProcInst/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```
$("#btnGetProcInst").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetProcInst/0FD3088F40B640D4AFE41AEEBDAE914B",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetProcInst() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
```

```
        GetProcInst/0FD3088F40B640D4AFE41AEEDBAE914B";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```


C# Code Example

```
public string GetProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcInst/0FD3088F40B640D4AFE41AEEDBAE914B";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtdNDI0XEFkbWluOnBhc3M="
    https://mydomain:9011/AgilePointServer/Workflow/
    GetProcInst/827028D244B4F4D9117757491D0C4F53
```

Output

WFBaseProcessInstance object that contains basic information about a process instance. It returns null if the [process instance ID](#) does not exist.

JSON Response Body Example

```
{
  "GetProcInstResult": {
    "ApplName": "MyApplication",
    "CompletedDate": "\\Date(928149600000+0000)\\",

```

```
"DefID": "258220E3849F4D04853F7B591B9C385E",
"DefName": "BudgetRequestProcess",
"DueDate": "\/Date(1390002900000+0000)\/",
"LastModifiedBy": "",
"LastModifiedDate": "\/Date(1389398111977+0000)\/",
"LastRunningEndTime": "\/Date(928149600000+0000)\/",
"LastRunningStartTime": "\/Date(1394129551350+0000)\/",
"LastSwapDate": "\/Date(928149600000+0000)\/",
"ProcInitiator": "mydomain\\administrator",
"ProcInitiatorLoc": "?",
"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "BudgetRequestProcess-B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcessInitiator": "mydomain\\administrator",
"ProcessInitiatorLocation": "?",
"SourceProcInstID": "",
"StartedDate": "\/Date(1389398112007+0000)\/",
"Status": "Running",
"SuperProcInstID": "",
"TargetProcInstID": "",
"Version": "2.03",
"WorkObjectID": "4B7A98C9374C4480A26D06DC67379FE3",
"WorkObjectInfo": ""
}
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Process Instance Attribute by Name

API Type

REST

HTTP Method

GET

Description

Gets the name-value pair of the specified **process attribute** (custom attribute) for the specified **process instance ID**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetProInstAttr/[processInstanceID]/[attributeName]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetProInstAttr/[processInstanceID]/[attributeName]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>
attributeName	<p><u>Description:</u></p> <p>The name of the process instance attribute you want.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> <li>• DefID - The ID of the process definition. <li>• DefName - The name of the process definition. <li>• ProclnstName - The name of the process instance. <li>• Status - The current status of the process instance. <li>• SuperProclnstID - The parent process instance ID. <li>• workObjectID - The ID of the work object. <li>• StartDate - The date and time when the process instance was started. <li>• DueDate - The date that the process instance is expected to be complete. <li>• LastModifiedDate - The date and time that the last modification was made to the process instance.

JavaScript Code Example

```

$("#btnGetProcInstAttr").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcInstAttr/0FD3088F40B640D4AFE41AEEBDAE914B/DueDate",
        type: "GET"
    });

});

```

Java Code Example

```

public String GetProcInstAttr() {

```

```
String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
            GetProcInstAttr/0FD3088F40B640D4AFE41AEEBDAE914B/DueDate";  
  
HTTPOperations ops = new HTTPOperations(domain, userName,  
            password, appID, locale);  
  
return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetProcInstAttr()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcInstAttr/0FD3088F40B640D4AFE41AEEBDAE914B/DueDate";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
            password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="   
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetProcInstAttr/827028D244B4F4D9117757491D0C4F53/DueDate
```

Output

Returns the [KeyValue](#) for the attribute associated with the process instance as a name-value" pair.

JSON Response Body Example

```
{  
  "GetProcInstAttrResult":  
  {  
    "Name": "DueDate",
```

```
"Value": "1\17\2014 3:55:00 PM"  
}  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Get Process Instance Attributes

API Type

REST

HTTP Method

GET

Description

Gets the name-value pairs of [process attributes](#) (custom attributes) with the specified [process instance ID](#).

URL Format (OnPremises, Private Cloud)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/GetProInstAttrs/\[processInstanceID\]](https://[domain]:[port]/AgilePointServer/Workflow/GetProInstAttrs/[processInstanceID])

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetProclnInstAttrs/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

Attributes

Name	Description
DefID	The ID of the process definition.
DefName	The name of the process definition.
ProclnInstName	The name of the process instance.
Status	The current status of the process instance.
SuperProclnInstID	The parent process instance ID .
workObjectID	The ID of the work object.
StartDate	The date and time when the process instance was started.
DueDate	The date that the process instance is expected to be complete
LastModifiedDate	The date and time that the last modification was made to the process instance.

JavaScript Code Example

```
$("#btnGetProcInstAttrs").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetProcInstAttrs/0FD3088F40B640D4AFE41AEEBDAE914B" ,
        type: "GET"
    });

});
```

Java Code Example

```
public String GetProcInstAttrs() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcInstAttrs/0FD3088F40B640D4AFE41AEEBDAE914B";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

C# Code Example

```
public string GetProcInstAttrs()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetProcInstAttrs/0FD3088F40B640D4AFE41AEEBDAE914B";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetProcInstAttrs/827028D244B4F4D9117757491D0C4F53
```

Output

Array of [NameValue](#) objects that holds the values of all the requested attributes.

JSON Response Body Example

```
{
  "GetProcInstAttrsResult": [
    {
      "Name": "SourceProcInstID",
      "Value": ""
    },
    {
      "Name": "TargetProcInstID",
      "Value": ""
    },
    ...
    {
      "Name": "WorkObjectInfo",
      "Value": ""
    }
  ]
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Merge Process Instances

API Type

REST

HTTP Method

POST

Description

Merges 2 or more [process instances](#) into one process instance.

Good to Know

- These process instances must be based on the same [process model](#).
- If more than one process instance is intended to perform the same operation, instead of having more than one process instance, you can merge all the process instances into a single process instance.
- To call this method, the API account user must have the [access right](#), **Cancel a Process**.
- This method is provided for reference for very advanced users – mainly internal AgilePoint teams. If you need help with this method, [contact AgilePoint Professional Services](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/MergeProclnsts

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/MergeProclnsts

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
instruction	<p><u>Description:</u></p> <p>Specifies the instructions for merging two process instances.</p> <p><u>Type</u></p> <p>WFProcessMergingInstruction</p> <p><u>Allowed Values:</u></p> <p>A WFProcessMergingInstruction object.</p>

JavaScript Code Example

```

$("#btnMergeProcInsts").click(function () {

    var JSONObject = {
        MergedProcessInstance: {
            CustomAttributes: [{
                Name: "/pd:myFields/pd:username",
                Value: "Administrator"
            },
            {
                Name: "/pd:myFields/pd:dept",
                Value: "IT Admin"
            }
        ],
        ProcessInstanceID: "008493358D1A419EA7094B7A3A58929D",
        ProcessInstanceName: "ProcessMapApproval-008493358D1A419EA7094B7A3A58929D",
        WorkObjectID: "00777ED0FE3E4AB49C44E7E5EDAA9656",
    }
}

```

```
    WorkObjectInfo: "00777ED0FE3E4AB49C44E7E5EDAA9656t"
  },

  MergingProcessInstanceIDs: ["060404057EC543A48C16FEC3F7FF8374", "061761ADBEA2450A8F7
0538C495D9773"]
};
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/MergeProcInsts",
  data: JSON.stringify(jsonObject),

});

});
```

Java Code Example

```
public String MergeProcInsts(){
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/MergeProcInsts";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    JSONObject customAttribute1 = new JSONObject();
    customAttribute1.put("Name", "/pd:myFields/pd:username");
    customAttribute1.put("Value", "Administrator");
    JSONObject customAttribute2 = new JSONObject();
    customAttribute2.put("Name", "/pd:myFields/pd:dept");
    customAttribute2.put("Value", "IT Admin");

    JSONArray customAttributes = new JSONArray();
    customAttributes.put(customAttribute1);

    JSONObject newProcInstanceInfo = new JSONObject();
    newProcInstanceInfo.put("CustomAttributes", customAttributes);
    newProcInstanceInfo.put("ProcessInstanceName",
        "ProcessMapApproval-008493358D1A419EA7094B7A3A58929D");
    newProcInstanceInfo.put("WorkObjectID", "00777ED0FE3E4AB49C44E7E5EDAA9656");
    newProcInstanceInfo.put("WorkObjectInfo", "00777ED0FE3E4AB49C44E7E5EDAA9656");

    JSONArray mergingProcessInstanceIDs = new JSONArray();
    mergingProcessInstanceIDs.put("060404057EC543A48C16FEC3F7FF8374");
    mergingProcessInstanceIDs.put("078404057EC543A48C16FEC3F7FF8374");
```

```

    postData.put("MergedProcessInstance", newProcInstanceInfo);
    postData.put("MergingProcessInstanceIDs", mergingProcessInstanceIDs);

    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

C# Code Example

```

public string MergeProcInsts()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/MergeProcInsts";

    string jsonRequestData = "{
        \"SplitProcessInstances\": [{
            \"CustomAttributes\": [{
                \"Name\": \"\\\"/pd:myFields\\\"/pd:username\",
                \"Value\": \"Administrator\"},
                {\"Name\": \"\\\"/pd:myFields\\\"/pd:dept\",
                \"Value\": \"IT Admin\"}],
            \"ProcessInstanceID\": \"ACD73A72D75B4746955679AF8563B2E8\",
            \"ProcessInstanceName\": \"Bond007-70B8B94C7FBE425D8FC1721FEB65785A\",
            \"WorkObjectID\": \"886BA093DBFE4FE6B1F16328DEBB921F\",
            \"WorkObjectInfo\": \"\"+ null+\"}],
        \"MergingProcessInstanceIDs\": [
            \"A586141903874C6EB0B5E45CF65B8F44\",
            \"ACD73A72D75B4746955679AF8563B2E8\"]}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData );
}

```

Output

The [process instance ID](#) of the merged process instance.

JSON Response Body Example

```
"String content"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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Migrate Process Instance

API Type

REST

HTTP Method

POST

Description

Migrates [process instances](#) from one version to another version (called [process migration](#)).

Good to Know

- It is required to provide Migration instruction with details of a list of [activities](#).
- It is required to suspend a process instance before migrating.
- To call this method, the API account user must have the [access right](#), **Cancel a Process**.

- Once the migration is successful, it is required to call the method **Suspend and Resume a Process**, so that the process instance resumes with the newer version.
- This method is provided for reference for very advanced users – mainly internal AgilePoint teams. If you need help with this method, [contact AgilePoint Professional Services](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/MigrateProInst/[processInstanceID]/[reserved]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/MigrateProInst/[processInstanceID]/[reserved]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u> Specifies the unique ID of a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process instance ID</p>
reserved	<p><u>Description:</u> Reserved for future use.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> The literal string null.</p> <p>You must pass this as a literal string at this time. This field will be used for other purposes in a later release.</p>

Request Body Properties

Name	Description
instruction	<p><u>Description:</u></p> <p>Specifies the instructions for migrating a process to a new version.</p> <p><u>Type</u></p> <p>WFProcessMigrationInstruction</p> <p><u>Allowed Values:</u></p> <p>A WFProcessMigrationInstruction object.</p>
IncludeXmlData	<p><u>Description:</u></p> <p>Specifies whether a migration includes XML data.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The migration includes an XML data. • False - The migration does not include an XML data.
Action	<p><u>Description:</u></p> <p>Specifies the migration action.</p> <p><u>Type</u></p> <p>MigrationAction</p> <p><u>Allowed Values:</u></p> <p>A valid migration action.</p>
MatchingActivityDefinition	<p><u>Description:</u></p> <p>Specifies information for activity migration.</p>

Name	Description
	<p><u>Type</u></p> <p>class</p> <p><u>Allowed Values:</u></p> <p>A valid class.</p>
SourceProcessDefinitionID	<p><u>Description:</u></p> <p>The ID of the original, or source, process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>
TargetProcessDefinitionID	<p><u>Description:</u></p> <p>The ID of the target, or destination, process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process definition ID.</p>

JavaScript Code Example

```

$("#btnMigrateProcInst").click(function () {

    var JSONData = { "Action": "0",
        "IncludeXmlData": true,
        "MatchingActivityDefinitions": [ { "CurrentActivated": true,
            "SourceName": "Manual.17",
            "TargetName": "Manual.17" },
            { "CurrentActivated": false,
            "SourceName": "MultipleCondition.26",

```

```
"TargetName": "MultipleCondition.26"},
{"CurrentActivated": false,
"SourceName": "Manual.31",
"TargetName": "Manual.31"},
{"CurrentActivated": false,
"SourceName": "Manual.63",
"TargetName": "Manual.63"},
{"CurrentActivated": false,
"SourceName": "Email.72",
"TargetName": "Email.72"}],
"SourceProcessDefinitionID": "ABCCD0E07357412499AD79D58D596397",
"TargetProcessDefinitionID": "CA204B2F3C894F058E3AEC22CA46F605"};

$.ajax({
  url: 'https://mydomain:9011/AgilePointServer/Workflow/
      MigrateProcInst/524DFF231F0547198D1D48C5EF25EF4A/null',
  dataType: "text",
  data: JSON.stringify(JSONData)
});

});
```

Java Code Example

```
public void MigrateProcInst(){
  String URI = "https://mydomain:9011/AgilePointServer/Workflow/MigrateProcInst";
  HTTPOperations ops = new HTTPOperations(domain, userName,
      password, appID, locale);

  JSONObject postData = new JSONObject();

  JSONObject activityDefinition1 = new JSONObject();
  activityDefinition1.put("CurrentActivated", "true");
  activityDefinition1.put("SourceName", "Manual.17");
  activityDefinition1.put("TargetName", "Manual.17");
  JSONObject activityDefinition2 = new JSONObject();
  activityDefinition2.put("CurrentActivated", "false");
  activityDefinition2.put("SourceName", "MultipleCondition.26");
  activityDefinition2.put("TargetName", "MultipleCondition.26");
  JSONObject activityDefinition3 = new JSONObject();
  activityDefinition3.put("CurrentActivated", "false");
  activityDefinition3.put("SourceName", "MultipleCondition.26");
  activityDefinition3.put("TargetName", "MultipleCondition.26");
```

```
JSONObject activityDefinition4 = new JSONObject();
activityDefinition4.put("CurrentActivated", "false");
activityDefinition4.put("SourceName", "MultipleCondition.26");
activityDefinition4.put("TargetName", "MultipleCondition.26");

JSONArray activityDefinition = new JSONArray();
activityDefinition.put(activityDefinition1);
activityDefinition.put(activityDefinition2);
activityDefinition.put(activityDefinition3);
activityDefinition.put(activityDefinition4);

postData.put("Action", "0");
postData.put("IncludeXmlData", "true");
postData.put("MatchingActivityDefinitions", activityDefinition);
postData.put("SourceProcessDefinitionID", "ABCCD0E07357412499AD79D58D596397");
postData.put("TargetProcessDefinitionID", "CA204B2F3C894F058E3AEC22CA46F605");

ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string MigrateProcInst()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                MigrateProcInst/524DFF231F0547198D1D48C5EF25EF4A/null";

    string jsonRequestdata = "{
        \"Action\":0,
        \"IncludeXmlData\":true,
        \"MatchingActivityDefinitions\":[{\\"CurrentActivated\\":true,
        \"SourceName\\":\\"Manual.17\\",
        \"TargetName\\":\\"Manual.17\\"}],
        \"SourceProcessDefinitionID\\":\\"ABCCD0E07357412499AD79D58D596397\\",
        \"TargetProcessDefinitionID\\":\\"CA204B2F3C894F058E3AEC22CA46F605\\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Query Process Instances

API Type

REST

HTTP Method

POST

Description

Retrieves a list of [process instances](#) that match a specified query expression. The WFQueryExpr string is used to generate a query expression, and the client application specifies the query terms.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryProclnsts

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryProclnsts

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
expr	<p><u>Description:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p>WFQueryExprHelper</p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>
ColumnName	<p><u>Description:</u></p> <p>Gets and sets the associated database column name.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A valid database column name.</p>
Operator	<p><u>Description:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>
IsValue	<p><u>Description:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.

JavaScript Code Example

```

$("#btnQueryProcInsts").click(function () {

    var JSONObject = {
        ColumnName: "PROC_INITIATOR", Operator: "EQ", WhereClause:
"mydomain\\brian.lucas", IsValue: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts",
        data: JSON.stringify(JSONObject)
    });
});

```

```
});
```

Java Code Example

```
public String QueryProcInsts() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("ColumnName", "PROC_INITIATOR");
    postData.put("Operator", "EQ");
    postData.put("WhereClause", "DME03\\Administrator");
    postData.put("IsValue", "true");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string QueryProcInsts()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts";

    var jsondata = "{
        \"ColumnName\": \"PROC_INITIATOR\",
        \"Operator\": \"EQ\",
        \"WhereClause\": \"MYDOMAIN\\\\\\\\administrator\",
        \"IsValue\": true}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsondata);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\":"PROC_INITIATOR",
             "Operator\":"EQ",
             "WhereClause\":"mydomain\brian.lucas",
             "IsValue\":"true"}

https://mydomain:9011/AgilePointServer/Workflow/QueryProcInsts
```

Output

An array of WFBaseProcessInstance objects. It returns null if nothing matches to the query expression.

JSON Response Body Example

```
[{
  "ApplName": "MyApplication",
  "CompletedDate": "\/Date(1385676516500+0000)\/",
  "DefID": "9D85E1670FBB46A98A9A2C042CDB02C5",
  "DefName": "e-Signature",
  "DueDate": "\/Date(1386281220000+0000)\/",
  "LastModifiedBy": "",
  "LastModifiedDate": "\/Date(1385676471207+0000)\/",
  "LastRunningEndTime": "\/Date(1385676516510+0000)\/",
  "LastRunningStartTime": "\/Date(1385676516483+0000)\/",
  "LastSwapDate": "\/Date(928149600000+0000)\/",
  "ProcInitiator": "mydomain\brian.lucas",
  "ProcInitiatorLoc": "?",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "e-Signature-3847DEA4715F4A8A830D4C9973A521E5",
  "ProcessInitiator": "mydomain\brian.lucas",
  "ProcessInitiatorLocation": "?",
  "SourceProcInstID": "",
  "StartedDate": "\/Date(1385676471217+0000)\/",
  "Status": "Completed",
  "SuperProcInstID": ""
}]
```

```
"TargetProcInstID": "",
"Version": "1.23",
"WorkObjectID": "5C56CADC7CB74C9DA596CC149834BD81",
"WorkObjectInfo": ""
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Query Process Instances Using SQL

API Type

REST

HTTP Method

POST

Description

Retrieves a list of [process instances](#) with a a specified [WHERE clause](#) of an SQL query expression.

Good to Know

- Only pass the WHERE clause without WHERE keyword, not the whole query.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryProInstsUsingSQL

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryProInstsUsingSQL

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
sqlWhereClause	<p><u>Description:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

JavaScript Code Example

```
$("#btnQueryProcInstsUsingSQL").click(function () {

    var JSONObject = {
        sqlWhereClause: "PROC_INST_ID='0FD3088F40B640D4AFE41AEEDAE914B'"
    }
});
```

```
};
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInstsUsingSQL",
  data: JSON.stringify(JSONObject)
});
});
```

Java Code Example

```
public String QueryProcInstsUsingSQL() {

  String URI =
  "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInstsUsingSQL";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();

  postData.put("sqlWhereClause",
    "PROC_INST_ID='68EEEA65CC76436BB608F7DD09B4EF6E'");
  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

C# Code Example

```
public string QueryProcInstsUsingSQL()
{
  string URL =
  "https://mydomain:9011/AgilePointServer/Workflow/QueryProcInstsUsingSQL";

  string jsonRequestdata = "{
  \"sqlWhereClause\": \"PROC_INST_ID='059150EB14D24F34B7AC6A570B165C46'\"}";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

  return ops.POSTMethod(URL, jsonRequestdata);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\":\"PROC_INST_ID\",
             \"Operator\":\"EQ\",
             \"WhereClause\":\"827028D244B4F4D9117757491D0C4F53\",
             \"IsValue\":\"true\"}

https://mydomain:9011/AgilePointServer/Workflow/QueryProcInstsUsingSQL
```

Output

A list of process instance which matches the where condition.

JSON Response Body Example

```
[{
  "AppName": "MyApplication",
  "CompletedDate": "\/Date(1385676516500+0000)\/",
  "DefID": "9D85E1670FBB46A98A9A2C042CDB02C5",
  "DefName": "e-Signature",
  "DueDate": "\/Date(1386281220000+0000)\/",
  "LastModifiedBy": "",
  "LastModifiedDate": "\/Date(1385676471207+0000)\/",
  "LastRunningEndTime": "\/Date(1385676516510+0000)\/",
  "LastRunningStartTime": "\/Date(1385676516483+0000)\/",
  "LastSwapDate": "\/Date(928149600000+0000)\/",
  "ProcInitiator": "mydomain\\brian.lucas",
  "ProcInitiatorLoc": "?",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "e-Signature-3847DEA4715F4A8A830D4C9973A521E5",
  "ProcessInitiator": "mydomain\\brian.lucas",
  "ProcessInitiatorLocation": "?",
  "SourceProcInstID": "",
  "StartedDate": "\/Date(1385676471217+0000)\/",
  "Status": "Completed",
  "SuperProcInstID": "",
```

```
"TargetProcInstID": "",  
"Version": "1.23",  
"WorkObjectID": "5C56CADC7CB74C9DA596CC149834BD81",  
"WorkObjectInfo": ""  
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Restore Process Instance by ID

API Type

REST

HTTP Method

POST

Description

Restores a [process instance](#) and associated data from the archive database to [AgilePoint Server](#).

Good to Know

- The process instance records are written to the AgilePoint database, but also retained in the AgilePoint archive database.
- To call this method, the API account user must have the [access right, Archive and restore process\(es\)](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/RestoreProcInst/[procInstID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/RestoreProcInst/[procInstID]

Request Parameters

Name	Description
procInstID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```

$("#btnRestoreProcInst").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
                RestoreProcInst/0008D8ACD70B4D38955F0777C5433963",
        dataType: "text"
    });

});

```

Java Code Example

```
public void RestoreProcInst(){
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                RestoreProcInst/0008D8ACD70B4D38955F0777C5433963";

    HTTPOperations ops = new HTTPOperations(domain, userName,
                password, appID, locale);

    JSONObject postData = new JSONObject();

    ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string RestoreProcInst()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                RestoreProcInst/0008D8ACD70B4D38955F0777C5433963";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                password, appID, locale);

    return ops.POSTMethod(URL);
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
      {"PROCINSTID\":"827228D244B4F4D9117767BD4C6892FE\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      RestoreProcInst/827228D244B4F4D9117767BD4C6892FE
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Resume Process Instance

API Type

REST

HTTP Method

POST

Description

Resumes a [process instance](#) with the specified [process instance ID](#).

Good to Know

- To call this method, the API account user must have the [access right](#), **Suspend and Resume a Process**.
- Only suspended process instances can be resumed. If a [parent process](#) instance is resumed, any suspended child process instances are resumed as well.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/ResumeProcInst/[processInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/ResumeProcInst/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```

$("#btnResumeProcInst").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            ResumeProcInst/248685A175F54C12A9A80353798B4508",
    });

});

```

Java Code Example

```
public String ResumeProcInst() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                ResumeProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```


C# Code Example

```
public string ResumeProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                ResumeProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
      {"PROCINSTID\":"827228D244B4F4D9117767BD4C6892FE\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      ResumeProcInst/827228D244B4F4D9117767BD4C6892FE
```

Output

A [WFEvent](#) object that provides status of the request.

JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\/",
  "Entries": 1,
  "Error": null,
  "EventID": "8834D110BBAA4857AD572F25B0CC291C",
  "EventName": "ResumeProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"00131C75A35046A89E32B64C4649E075\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "",
  "Sender": "mydomain\\administrator",
  "SentDate": "\\Date(1394143777121+0000)\\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Rollback Process Instance

API Type

REST

HTTP Method

POST

Description

Rolls a [process instance](#) back to a previous specified [activity](#), or skips a specified activity that has not yet been started.

Good to Know

- When this method is invoked, the current or skipped activity becomes Cancelled. When skipping, the [process](#) moves forward regardless of the activity's [status](#).
- This API can be called on process instances in [running](#) status only.
- This API call cancels all the active [activity instances](#) and rollbacks or jumps to a specified activity.
- To call this method, the API account user must have the [access right](#), **Rollback a Process**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/RollbackProcInst/[activityInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/RollbackProcInst/[activityInstanceID]

Request Parameters

Name	Description
activityInstanceID	<p><u>Description:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>

JavaScript Code Example

```
$("#btnRollbackProcInst").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            RollbackProcInst/3E14D9BE837C47F2BA17A724508AC8CD",  
    });  
  
});
```

Java Code Example

```
public String RollbackProcInst() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                RollbackProcInst/3E14D9BE837C47F2BA17A724508AC8CD";
```

```

HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

JSONObject postData = new JSONObject();

return ops.POSTMethod(URI, postData.toString());
}

```

C# Code Example

```

public string RollbackProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        RollbackProcInst/3E14D9BE837C47F2BA17A724508AC8CD";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
    --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
    --request POST
    --data
    {"ACTIVITYINSTANCEID\":"827028D244B4F4D9117757491D0C4F59\"}
    https://mydomain:9011/AgilePointServer/Workflow/
    RollbackProcInst/827028D244B4F4D9117757491D0C4F59

```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.

- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "0F6B47906A0C4B469AC9CB9A7F2FF831",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "3A664D0A8D4B4B6AA41F7DB1D606876F",
  "EventName": "RollbackProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"00131C75A35046A89E32B64C4649E075\" \/>
      <param name=\"ActivityInstID\"
        value=\"0F6B47906A0C4B469AC9CB9A7F2FF831\" \/>
      <param name=\"HighPriority\" value=\"True\" \/>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "",
  "Sender": "mydomain\\administrator",
  "SentDate": "\/Date(1394144131068+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Split Process Instance

API Type

REST

HTTP Method

POST

Description

Splits one [process instance](#) into 2 or more process instances. The original process instance is canceled.

Good to Know

- This method is provided for reference for very advanced users – mainly internal AgilePoint teams. If you need help with this method, [contact AgilePoint Professional Services](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/SplitProInst`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/SplitProclnst

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
instruction	<p><u>Description:</u> Specifies the instructions for splitting a process instance.</p> <p><u>Type</u> WFProcessSplitting</p> <p><u>Allowed Values:</u> A WFProcessSplitting object.</p>
SplitProcessInstances	<p><u>Description:</u> An array of instances of the SplitProcessParameter class.</p> <p><u>Type</u> SplitProcessParameter</p> <p><u>Allowed Values:</u> A valid SplitProcessParameter object.</p>
SplittingProcessInstanceID	<p><u>Description:</u> An array that includes the process instance IDs of the process instances you are splitting.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid process instance IDs.</p>

JavaScript Code Example

```

$("#btnSplitProcInst").click(function () {

    var JSONObject = {
        SplitProcessInstances:[{
            CustomAttributes:[{
                Name: "/pd:myFields/pd:username",
                Value: "Administrator"
            }],
            {
                Name: "/pd:myFields/pd:dept",
                Value: "IT Admin"
            }
        ],
        ProcessInstanceID: "008493358D1A419EA7094B7A3A58929D",
        ProcessInstanceName: "ProcessMapApproval-008493358D1A419EA7094B7A3A58929D",
        WorkObjectID: "00777ED0FE3E4AB49C44E7E5EDAA9656",
        WorkObjectInfo: "00777ED0FE3E4AB49C44E7E5EDAA9656t"
    }],
        SplittingProcessInstanceID: "060404057EC543A48C16FEC3F7FF8374"
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/SplitProcInst",
        data: JSON.stringify(JSONObject),

    });

});

```

Java Code Example

```
public String SplitProcInst(){
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/SplitProcInst";
    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    JSONObject customAttribute1 = new JSONObject();
    customAttribute1.put("Name", "/pd:myFields/pd:username");
    customAttribute1.put("Value", "Administrator");
    JSONObject customAttribute2 = new JSONObject();
    customAttribute2.put("Name", "/pd:myFields/pd:dept");
    customAttribute2.put("Value", "IT Admin");

    JSONArray customAttributes = new JSONArray();
    customAttributes.put(customAttribute1);
    customAttributes.put(customAttribute2);

    JSONObject newProcInstanceInfo = new JSONObject();
    newProcInstanceInfo.put("CustomAttributes", customAttributes);

    newProcInstanceInfo.put("ProcessInstanceID", "008493358D1A419EA7094B7A3A58929D");
    newProcInstanceInfo.put("ProcessInstanceName",
        "ProcessMapApproval-008493358D1A419EA7094B7A3A58929D");
    newProcInstanceInfo.put("WorkObjectID", "00777ED0FE3E4AB49C44E7E5EDAA9656");
    newProcInstanceInfo.put("WorkObjectInfo", "00777ED0FE3E4AB49C44E7E5EDAA9656");

    JSONArray splitProcessInstances = new JSONArray();
    splitProcessInstances.put(newProcInstanceInfo);

    postData.put("SplitProcessInstances", splitProcessInstances);
    postData.put("SplittingProcessInstanceID", "060404057EC543A48C16FEC3F7FF8374");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string SplitProcInst()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/SplitProcInst";

    string jsonData = "{
        \"SplitProcessInstances\": [{
            \"CustomAttributes\": [{
                \"Name\": \"\\\"/pd:myFields\\\"/pd:username\",
                \"Value\": \"Administrator\"},
                { \"Name\": \"\\\"/pd:myFields\\\"/pd:dept\",
                  \"Value\": \"IT Admin\" }],
            \"ProcessInstanceID\": \"8707CAB31A0B4E65942BF10440A91EC4\",
            \"ProcessInstanceName\": \"Test007-DB2E1378A1054FB8BC7EF771B6D0CAFD\",
            \"WorkObjectID\": \"0FF438306540448D834A05C29201D1B2\",
            \"WorkObjectInfo\": \"\" + null + \"\"}],
        \"SplittingProcessInstanceID\": \"8BE789DF1FAE462CAB20CE2CA7178F4C\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName, password, appID,
    locale);

    return ops.POSTMethod(URL, jsonData);
}
```

Output

A collection of strings that contain the [process instance IDs](#) for the process instances that were created from the split.

JSON Response Body Example

```
"String content"
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Suspend Process Instance

API Type

REST

HTTP Method

POST

Description

Suspends a [process instance](#) with the specified [process instance ID](#).

Good to Know

- The process instance [status](#) is changed to [Suspended](#), and the statuses of all the work items (tasks) become Pending.
- To call this method, the API account user must have the [access right](#), **Suspend and Resume a Process**.
- Only running process instances can be suspended.
- If there is a parent-child hierarchy, and the [parent process](#) instance is suspended, the running child process instances are suspended automatically.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/SuspendProcInst/[processInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/SuspendProcInst/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```
$("#btnSuspendProcInst").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            SuspendProcInst/248685A175F54C12A9A80353798B4508",  
    });  
  
});
```

Java Code Example

```
public String SuspendProcInst() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                SuspendProcInst/248685A175F54C12A9A80353798B4508";
```

```

HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

JSONObject postData = new JSONObject();

return ops.POSTMethod(URI, postData.toString());
}

```

C# Code Example

```

public string SuspendProcInst()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        SuspendProcInst/248685A175F54C12A9A80353798B4508";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
    --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
    --request POST
    --data
    {"PROCESSINSTANCEID\":"827028D244B4F4D9117757491D0C4F53\"}
    https://mydomain:9011/AgilePointServer/Workflow/
    SuspendProcInst/827028D244B4F4D9117757491D0C4F53

```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.

- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "36831B3A0BB04BD0B982C67C35892CB5",
  "EventName": "SuspendProcessInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"00131C75A35046A89E32B64C4649E075\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",
  "ProcInstName": "",
  "Sender": "mydomain\\administrator",
  "SentDate": "\/Date(1394143631596+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Update Process Instance

API Type

REST

HTTP Method

POST

Description

Updates [process attribute](#), such as process instance name, due date, work object info.

Good to Know

- The process attributes that can be updated are listed in the attribute table.
- To call this method, the API account user must have the [access right](#), **Initiate a Process**.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/UpdateProInst/[processInstanceID]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/UpdateProInst/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

Request Body Properties

Name	Description
attributes	<p><u>Description:</u></p> <p>Name-value pairs associated with a custom ID.</p> <p><u>Type</u></p> <p>NameValue</p> <p><u>Allowed Values:</u></p> <p>A valid custom ID with an associated name.</p>

Attributes

Name	Description
ProcInstName	The name of the process instance.
DueDate	The date that the process instance is expected to be complete
workObjectID	The ID of the work object.

JavaScript Code Example

```
$("#btnUpdateProcInst").click(function () {
    var JSONObject = { attributes: [{ Name: "PROCINSTNAME", Value: "test123" }]};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            UpdateProcInst/F05A692BBC514477BECA6586EFF90101",
        dataType: "text",
        data: JSON.stringify(JSONObject)
    });
});
```

Java Code Example

```
public String UpdateProcInst() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        UpdateProcInst/F05A692BBC514477BECA6586EFF90101";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postMainData = new JSONObject();

    JSONArray postArray = new JSONArray();

    String[] Name = { "PROC_INST_NAME" };
    String[] Value = { "Process Map Approval" };
    for (int i = 0; i < Name.length; i++) {
        JSONObject nameValuePair = new JSONObject();
        nameValuePair.put("Name", Name[i]);
```

```

        nameValuePair.put("Value", Value[i]);

        postArray.put(nameValuePair);
    }

    postMainData.put("attributes", postArray);
    return ops.POSTMethod(URI, postMainData.toString());
return "";
}

```

C# Code Example

```

public string UpdateProcInst()
{
    string jsonRequestData = "{
        \"attributes\": [{
            \"Name\": \"PROCINSTNAME\",
            \"Value\": \"test123\"}]";

    string URI = "https://mydomain:9011//AgilePointServer/Workflow/
        UpdateProcInst/F05A692BBC514477BECA6586EFF90101";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"attributes": [{"Name": "PROCINSTNAME",
          \"Value\": \"test123\"}]}
      https://mydomain:9011/AgilePointServer/Workflow/
      UpdateProcInst/827128D244B4F4D9117760CD00B194AA

```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Methods for Activity Instances

This section describes service calls related to [activity instances](#).

Cancel Activity Instance

API Type

REST

HTTP Method

POST

Description

Cancels an [activity instance](#) for the specified activity instance ID.

Good to Know

- Changes the [status](#) of an [activity](#) to [Cancelled](#).
- An [activity instance](#) can be associated with one or more [work items](#).
- Once the activity instance is cancelled, the [process instance](#) will move forward to the next activity.
- The process instance must be in the [running](#) status, or an exception is thrown.
- This API cancels all the [tasks](#) from multiple [sessions](#) of this activity if the tasks are in [Assigned](#) or [Overdue](#) status.
- To call this method, the API account user must have the [access right](#), **Cancel a Task**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CancelActivityInst/[activityInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CancelActivityInst/[activityInstanceID]

Request Parameters

Name	Description
activityInstanceID	<p><u>Description:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid activity instance ID.

JavaScript Code Example

```
$("#btnCancelActivityInst").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            CancelActivityInst/3E14D9BE837C47F2BA17A724508AC8CD",  
    });  
  
});
```

Java Code Example

```
public String CancelActivityInst() {  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                CancelActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string CancelActivityInst()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                CancelActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

cURL Code Example

- ! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      -X POST -d
      '{"ACTIVITYINSTANCEID": "{827028D244B4F4D9117757491D0C4F59}"}'
      https://mydomain:9011/AgilePointServer/Workflow/
      CancelActivityInst/827028D244B4F4D9117757491D0C4F59
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "0F6B47906A0C4B469AC9CB9A7F2FF831",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "D77D30744057465DACE447B35D609597",
  "EventName": "CancelActivityInstance",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"00131C75A35046A89E32B64C4649E075\" \/>
      <param name=\"ActivityInstID\"
        value=\"0F6B47906A0C4B469AC9CB9A7F2FF831\" \/>
```

```
        <param name=\"HighPriority\" value=\"True\" \/>
        </WFEEvent>\",
    \"ParentProcInstID\": \"\",
    \"ProcDefID\": \"\",
    \"ProcInstID\": \"00131C75A35046A89E32B64C4649E075\",
    \"ProcInstName\": \"\",
    \"Sender\": \"mydomain\\administrator\",
    \"SentDate\": \"\\/Date(1394145752063+0000)\\/\",
    \"SourceWorkItemID\": \"\",
    \"Status\": \"Sent\",
    \"UserID\": \"\",
    \"WorkItemID\": \"\",
    \"WorkObjectID\": \"\",
    \"WorkObjectInfo\": \"\"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Get Activity Instance

API Type

REST

HTTP Method

GET

Description

Retrieves an [activity instance](#) related information for the specified activity instance ID.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetActivityInst/[activityInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetActivityInst/[activityInstanceID]

Request Parameters

Name	Description
activityInstanceID	<p><u>Description:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>

JavaScript Code Example

```
$("#btnGetActivityInst").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetActivityInst/00005B6533CB4362A55A624C54293CD3",  
        type: "GET"  
    });  
});
```

```
});
```


Java Code Example

```
public String GetActivityInst() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInst/00005B6533CB4362A55A624C54293CD3";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetActivityInst()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInst/00005B6533CB4362A55A624C54293CD3";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetActivityInst/827028D244B4F4D9117757491D0C4F59
```

Output

WFBaseActivityInstance object.

JSON Response Body Example

```
{
  "GetActivityInstResult":
  {
    "CompletedDate": "\/Date(1385676516483+0000)\/",
    "DisplayName": "AgilePart.16",
    "DueDate": "\/Date(1385677080000+0000)\/",
    "ID": "0F6B47906A0C4B469AC9CB9A7F2FF831",
    "InStack": true,
    "Name": "AgilePart.16",
    "Pending": false,
    "Session": 1,
    "StartedDate": "\/Date(1385676514640+0000)\/",
    "TokenPos":
    {
      "Value": 0
    },
    "Tokens": 0
  }
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Activity Instance By Process Instance ID

API Type

REST

HTTP Method

GET

Description

Retrieves all [activity instances](#) for the specified [process instance ID](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetActivityInstsByPIID/[processInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetActivityInstsByPIID/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```
$("#btnGetActivityInstsByPIID").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetActivityInstsByPIID/0FD3088F40B640D4AFE41AEEBDAE914B",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetActivityInstsByPIID() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInstsByPIID/0FD3088F40B640D4AFE41AEEBDAE914B";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetActivityInstsByPIID()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInstsByPIID/0FD3088F40B640D4AFE41AEEBDAE914B";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetActivityInstsByPIID/827028D244B4F4D9117757491D0C4F53
```

Output

An array of WFBaseActivityInstance objects.

JSON Response Body Example

```
{
  "GetActivityInstsByPIIDResult": [
    {
      "CompletedDate": "\/Date(1385676471223+0000)\/",
      "DisplayName": "START",
      "DueDate": "\/Date(928149600000+0000)\/",
      "ID": "0D9835B27E1A483EA1517ACA1296EDAD",
      "InStack": true,
      "Name": "Start",
      "Pending": false,
      "Session": 1,
      "StartedDate": "\/Date(1385676471223+0000)\/",
      "TokenPos":
      {
        "Value": 0
      },
      "Tokens": 0
    }
  ]
}
```

```
"StartDate": "\/Date(1385676516493+0000)\/",
"TokenPos":
{
  "Value": 0
},
"Tokens": 0
}
]}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Get Activity Instance Status

API Type

REST

HTTP Method

GET

Description

Retrieves the [status](#) of all [activities](#) for a specified [process instance](#).

Good to Know

- Results are returned as an array of KeyValues where the key contains activity name, and the value contains the status.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetActivityInstStatus/[proclnInstID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetActivityInstStatus/[proclnInstID]

Request Parameters

Name	Description
proclnInstID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```

$("#btnGetActivityInstStatus").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetActivityInstStatus/0FD3088F40B640D4AFE41AEEBDAE914B",
        type: "GET"
    });

});

```

Java Code Example

```
public String GetActivityInstStatus() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInstStatus/0FD3088F40B640D4AFE41AEEDDAE914B";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetActivityInstStatus()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetActivityInstStatus/0FD3088F40B640D4AFE41AEEDDAE914B";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetActivityInstStatus/827028D244B4F4D9117757491D0C4F5C3
```

Output

An array of [KeyValue](#) objects that holds pairs of activity definition names and statuses. The statuses can be Passed, Active, Pending, Activated, Canceled, or null.

JSON Response Body Example

```
{
  "GetActivityInstStatusResult": [
    {
      "Key": "Start",
      "Value": "Passed"
    },
    {
      "Key": "Stop",
      "Value": "Passed"
    }
  ]
}
```

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Query Activity Instances

API Type

REST

HTTP Method

POST

Description

Retrieves [activity instances](#) that match a query expression.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryActivityInsts

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryActivityInsts

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
expr	<p><u>Description:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p>WFQueryExprHelper</p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>
ColumnName	<p><u>Description:</u></p> <p>Gets and sets the associated database column name.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid database column name.</p>
Operator	<p><u>Description:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>
IsValue	<p><u>Description:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.

JavaScript Code Example

```

$("#btnQueryActivityInsts").click(function () {

    var JSONObject = {
        ColumnName: "ID", Operator: "EQ", WhereClause:
        "0D9835B27E1A483EA1517ACA1296EDAD",
        IsValue: true
    }

```

```
};
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts",
  data: JSON.stringify(JSONObject)
});
});
```

Java Code Example

```
public String QueryActivityInsts() {

  String URI =
  "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();

  postData.put("ColumnName", "ID");
  postData.put("Operator", "EQ");
  postData.put("WhereClause", "0D9835B27E1A483EA1517ACA1296EDAD");
  postData.put("IsValue", "true");
  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

C# Code Example

```
public string QueryActivityInsts()
{
  string URI =
  "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts";

  string jsonRequestData = "{
    \"ColumnName\": \"ID\",
    \"Operator\": \"EQ\",
    \"WhereClause\": \"0D9835B27E1A483EA1517ACA1296EDAD\",
    \"IsValue\": true}";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);
```

```
return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\":"ID",
             "Operator\":"EQ",
             "WhereClause\":"827028D244B4F4D9117757491D0C4F59",
             "IsValue\":"true"}

https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts
```

Output

An array of WFBaseActivityInstance objects.

JSON Response Body Example

```
[{
  "CompletedDate": "\/Date(1385676471223+0000)\/",
  "DisplayName": "START",
  "DueDate": "\/Date(928149600000+0000)\/",
  "ID": "0D9835B27E1A483EA1517ACA1296EDAD",
  "InStack": true,
  "Name": "Start",
  "Pending": false,
  "Session": 1,
  "StartedDate": "\/Date(1385676471223+0000)\/",
  "TokenPos":
  {
    "Value": 0
  },
  "Tokens": 0
}]
```

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Query Activity Instances in XML Format

API Type

REST

HTTP Method

POST

Description

Retrieves [activity instances](#) that match a query expression in XML format.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/QueryActivityInsts/[expr]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/QueryActivityInsts/[expr]`

Request Parameters

Name	Description
expr	<p><u>Description:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p>WFQueryExpr</p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>

JavaScript Code Example

```

$("#btnQueryActivityInstsXml").click(function () {
    var JSONObject = "<
        WFQueryExprHelper
    xmlns=\"https://schemas.datacontract.org/2004/07/Ascentn.AgilePoint.WCFService\">
        <ColumnName>ID</ColumnName><IsValue>true</IsValue>
        <Operator>EQ</Operator><WhereClause>00005B6533CB4362A55A624C54293CD3
        </WhereClause></WFQueryExprHelper\";

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts",
        data: JSONObject, contentType: "application/xml", dataType: "xml"
    });
});

```

Java Code Example

```

public String QueryActivityInstsXML() {

    String URI =
    "https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts";
    String xmlRequestData = "

```

```
<WFQueryExprHelper
xmlns="https://schemas.datacontract.org/2004/07/Ascentn.AgilePoint.WCFService\">
  <ColumnName>ID<\/ColumnName>
  <IsValue>>true<\/IsValue>
  <Operator>EQ<\/Operator>
  <WhereClause>00005B6533CB4362A55A624C54293CD3<\/WhereClause>
<\/WFQueryExprHelper>;
HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);
return ops.POSTMethodXML(URI, xmlRequestData);
}
```

C# Code Example

```
public string QueryActivityInstsXML()
{
    string xmlRequestData = "
    <WFQueryExprHelper
xmlns="https://schemas.datacontract.org\
\/2004\/07\/Ascentn.AgilePoint.WCFService\">
    <ColumnName>ID<\/ColumnName>
    <IsValue>>true<\/IsValue>
    <Operator>EQ<\/Operator>
    <WhereClause>00005B6533CB4362A55A624C54293CD3<\/WhereClause>
    <\/WFQueryExprHelper>;

    string
URI="https://mydomain:9011/AgilePointServer/Workflow/QueryActivityInsts";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.PostXml(URI, xmlRequestData);
}
```

Output

An array of WFBBaseActivityInstance objects.

JSON Response Body Example

On hold due to didn't get JSON response code.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Rollback Activity Instance

API Type

REST

HTTP Method

POST

Description

Rolls back an [activity instance](#) with the specified activity instance ID.

Good to Know

- Rolls back a **human task activity** instance to the token position EN – that is, the state where the **activity** is entered.
- All tasks associated with the human task **activity instance** with the **status** of **New**, **Overdue**, or **Assigned** change to **Cancelled**.
- To call this method, the API account user must have the **access right**, **Rollback a Process**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/RollbackActivityInst/[activityInstanceID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/RollbackActivityInst/[activityInstanceID]

Request Parameters

Name	Description
activityInstanceID	<p><u>Description:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>

JavaScript Code Example

```
$("#btnRollbackActivityInst").click(function () {

$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
      RollbackActivityInst/3E14D9BE837C47F2BA17A724508AC8CD",
});
```

```
});
```

Java Code Example

```
public String RollbackActivityInst() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                RollbackActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string RollbackActivityInst()  
{  
    string URI="https://mydomain:9011/AgilePointServer/Workflow/  
                RollbackActivityInst/3E14D9BE837C47F2BA17A724508AC8CD";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data  
{\"PROCINSTID\": \"827028D244B4F4D9117757491D0C4F59\"}
```

```
https://mydomain:9011/AgilePointServer/Workflow/  
RollbackActivityInst/827028D244B4F4D9117757491D0C4F59
```

Output

WFEvent object that provides the status of the transaction. Possible statuses are Success, Failed, and Sent.

JSON Response Body Example

```
{  
  "ActivityInstID": "0F6B47906A0C4B469AC9CB9A7F2FF831",  
  "AutoStart": true,  
  "CustomAttributes": null,  
  "Diagnostic": true,  
  "EndDate": "\\Date(928149600000+0000)\\/",  
  "Entries": 1,  
  "Error": null,  
  "EventID": "0F7FAC43DF6842D1BDAA74234EBD4832",  
  "EventName": "RollbackActivityInstance",  
  "HighPriority": true,  
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>  
    <WFEvent>  
      <param name=\"ProcInstID\"  
        value=\"00131C75A35046A89E32B64C4649E075\" \\/>  
      <param name=\"ActivityInstID\"  
        value=\"0F6B47906A0C4B469AC9CB9A7F2FF831\" \\/>  
      <param name=\"HighPriority\" value=\"True\" \\/>  
    <\WFEvent>",  
  "ParentProcInstID": "",  
  "ProcDefID": "",  
  "ProcInstID": "00131C75A35046A89E32B64C4649E075",  
  "ProcInstName": "",  
  "Sender": "mydomain\\administrator",  
  "SentDate": "\\Date(1394145620490+0000)\\/",  
  "SourceWorkItemID": "",  
  "Status": "Sent",  
  "UserID": "",  
  "WorkItemID": "",  
  "WorkObjectID": "",  
  "WorkObjectInfo": ""  
}
```

Supported Versions

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Rollback Activity Instances

API Type

REST

HTTP Method

POST

Description

Activates target [activity instances](#) by cancelling the source activity instances.

Good to Know

- All the source [activity instances](#) must be activated and all the destination activity instances must not be activated when this method is called.
- To call this method, the API account user must have the [access right](#), **Rollback a Process**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/RollbackActivityInsts

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/RollbackActivityInsts

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
instruction	<p><u>Description:</u></p> <p>Specifies the instructions for the partial rollback.</p> <p><u>Type</u></p> <p>WFPartialRollbackInstruction</p> <p><u>Allowed Values:</u></p> <p>A WFPartialRollbackInstruction object.</p>

JavaScript Code Example

```

$("#btnRollbackActivityInsts").click(function () {

    var JSONData = {"PartialRollbackUnits":
        [{"DestinationActivityInstanceID": "DF93620D4ED14458B60857C4EA862702",
            "SourceActivityInstanceIDs": [ "575CB3B3C2EB495B884B0AD1505D4E0A" ]}
        ]};

    $.ajax({

```

```
        url: 'https://mydomain:9011/AgilePointServer/Workflow/RollbackActivityInsts',
        data: JSON.stringify(JSONData)
    });

});
```

Java Code Example

```
public String RollbackActivityInsts(){
    String URI =
    "https://mydomain:9011/AgilePointServer/Workflow/RollbackActivityInsts";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    JSONArray ids = new JSONArray();
    ids.put("575CB3B3C2EB495B884B0AD1505D4E0A");

    JSONObject data = new JSONObject();
    data.put("DestinationActivityInstanceID", "DF93620D4ED14458B60857C4EA862702");
    data.put("SourceActivityInstanceIDs", ids);

    JSONArray partialRollbackUnits = new JSONArray();
    partialRollbackUnits.put(data);

    postData.append("PartialRollbackUnits", partialRollbackUnits);

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string RollbackActivityInsts()
{
    string URI =
    "https://mydomain:9011/AgilePointServer/Workflow/RollbackActivityInsts";

    string jsonRequestData = "{
        \"PartialRollbackUnits\": [{
            \"DestinationActivityInstanceID\": \"DF93620D4ED14458B60857C4EA862702\",
```

```
\ "SourceActivityInstanceIDs\" : [
  \ "575CB3B3C2EB495B884B0AD1505D4E0A\" ] ] }";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, jsonRequestData);
}
```

Output

WFEEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "String content",
  "AutoStart": true,
  "CustomAttributes": [{
    "Name": "String content",
    "Value": {
      "NameValue": {
        "Name": "String content",
        "Value": {
          "NameValue": null
        }
      }
    }
  ]},
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 2147483647,
  "Error": "String content",
  "EventID": "String content",
  "EventName": "String content",
  "HighPriority": true,
```

```
"ParamsXml":"String content",
"ParentProcInstID":"String content",
"ProcDefID":"String content",
"ProcInstID":"String content",
"ProcInstName":"String content",
"Sender":"String content",
"SentDate":"\\/Date(928149600000+0000)\\/ ",
"SourceWorkItemID":"String content",
"Status":"String content",
"TenantID":"String content",
"UserID":"String content",
"WorkItemID":"String content",
"WorkObjectID":"String content",
"WorkObjectInfo":"String content"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Methods for Manual Work Items (Tasks)

This section describes service calls related to manual work items (tasks).

Activate Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Activates a human [task](#) (manual work item) and updates the activated date of the task.

Good to Know

- This API can be called only by the task owner or [AgilePoint System Account](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/ActivateWorkItem/[workItemID]/[activate]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/ActivateWorkItem/[workItemID]/[activate]`

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

Name	Description
activate	<p><u>Description:</u></p> <p>Activates or inactivate a work item.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Activates the work item. • False - Inactivates the work item.

Request Body Properties

Name	Description
clientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

JavaScript Code Example

```
$("#btnActivateWorkItem").click(function () {
  var JSONObject = {
    clientData: ""
  };
});
```

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/
      Workflow/ActivateWorkItem/CFF4B6D3DBF546A2B0423AD413A94420/True",
  data: JSON.stringify(JSONObject)
});
});
```

Java Code Example

```
public String ActivateWorkItem() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
      ActivateWorkItem/CFF4B6D3DBF546A2B0423AD413A94420/true";

  HTTPOperations ops = new HTTPOperations(domain, userName,
      password, appID, locale);

  JSONObject postData = new JSONObject();

  postData.put("clientData", "");
  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

C# Code Example

```
public string ActivateWorkItem()
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
      ActivateWorkItem/CFF4B6D3DBF546A2B0423AD413A94420/True";
  string jsonRequestData = "{\\"clientData\\":\\" + "" + "\\"}";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
      password, appID, locale);

  return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST --data {"clientData\":"\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      ActivateWorkItem/827128D244B4F4D9117761512B78D158/true
```

Output

WFEEvent class that represents the workflow event instance that is created when the task is assigned.

JSON Response Body Example

```
{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "A5CA2ADC2BAF4064ABC1EF3E63760093",
  "EventName": "ActivateWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEEvent>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/>
      <param name=\"ActivityInstID\"
        value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \/>
      <param name=\"HighPriority\" value=\"True\" \/>
      <param name=\"ID\" value=\"True\" \/>
      <param name=\"WorkItemID\"
        value=\"2AA1E203047B41F29E3E29F62D00903B\" \/>
    <\WFEEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
```

```
"ProcInstName": "",
"Sender": "mydomain\\administrator",
"SentDate": "\/Date(1394147396783+0000)\/",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "",
"WorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
"WorkObjectID": "",
"WorkObjectInfo": ""
}
```

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Assign Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Assigns a human [task](#) (manual work item) to a user, which often means claiming a task for oneself.

Good to Know

- This is often used with task pools where tasks are created, and then multiple users are notified, but the task is not immediately assigned to a user. A user then claims the task, or his manager assigns it to him.
- The user must have [access rights](#) to claim or assign the task.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/AssignWorkItem/[workItemID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/AssignWorkItem/[workItemID]`

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

Request Body Properties

Name	Description
clientData	<p><u>Description:</u></p>

Name	Description
	<p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

JavaScript Code Example

```
$("#btnAssignWorkItem").click(function () {  
  
    var JSONObject = { clientData: null };  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            AssignWorkItem/D4751D6380F141A4AC89AF6820B988D5",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String AssignWorkItem() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                AssignWorkItem/D4751D6380F141A4AC89AF6820B988D5";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("clientData", "");  
  
}
```

```
return ops.POSTMethod(URI, postData.toString());
return "";
}
```

C# Code Example

```
public string AssignWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                AssignWorkItem/D4751D6380F141A4AC89AF6820B988D5";

    string jsonRequestData = "{\"clientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                           password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST --data {"clientData\":\"\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      AssignWorkItem/827128D244B4F4D9117761512B78D158
```

Output

[WFEvent](#) class that represents the workflow event instance that is created when the task is assigned.

JSON Response Body Example

```
{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
```

```
"EndDate": "\/Date(928149600000+0000)\/",
"Entries": 1,
"Error": null,
"EventID": "25B6221C3F06459A803382485CEE0101",
"EventName": "AssignWorkItem",
"HighPriority": true,
"ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <WFEEvent>
    <param name=\"ProcInstID\"
      value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
    <param name=\"ActivityInstID\"
      value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \/\>
    <param name=\"HighPriority\" value=\"True\" \/\>
    <param name=\"WorkItemID\"
      value=\"2AA1E203047B41F29E3E29F62D00903B\" \/\>
  <\WFEEvent>,
"ParentProcInstID": "",
"ProcDefID": "",
"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "",
"Sender": "mydomain\\administrator",
"SentDate": "\/Date(1394147826010+0000)\/",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "",
"WorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
"WorkObjectID": "",
"WorkObjectInfo": ""
}
```

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Cancel Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Cancels a human [task](#) (manual work item) based on a specified [task ID](#).

Good to Know

- Only the following task [status](#) can transition to a [Cancelled](#) status: [Assigned](#), [New](#), [Pseudo](#), and [Overdue](#).
- To call this method, the API account user must have the [access right](#), **Cancel a Task**.
- It is not possible to cancel a task that has child tasks [running](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/CancelWorkItem/[workItemID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/CancelWorkItem/[workItemID]`

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

Request Body Properties

Name	Description
clientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

JavaScript Code Example

```
$("#btnCancelWorkItem").click(function () {  
  
    var JSONObject = { clientData: null };  
});
```

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
      CancelWorkItem/BBD9BF28AA4C43AC956636E9288F3E6E",
  data: JSON.stringify(JSONObject)
});

});
```

Java Code Example

```
public String CancelWorkItem() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
      CancelWorkItem/BBD9BF28AA4C43AC956636E9288F3E6E";

  HTTPOperations ops = new HTTPOperations(domain, userName,
      password, appID, locale);

  JSONObject postData = new JSONObject();

  postData.put("clientData", "");
  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

C# Code Example

```
public string CancelWorkItem()
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
      CancelWorkItem/BBD9BF28AA4C43AC956636E9288F3E6E";

  string jsonRequestData = "{\"clientData\": \"\" + null + \"\"}";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
      password, appID, locale);

  return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST --data {"clientData\":"\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      CancelWorkItem/827128D244B4F4D91177614E52349CF9
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "039994C7DDC34732A2A1125C6BC90A58",
  "EventName": "CancelWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/>
      <param name=\"ActivityInstID\"
        value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \/>
```

```
        <param name=\"HighPriority\" value=\"True\" \/\>
        <param name=\"WorkItemID\"
            value=\"2AA1E203047B41F29E3E29F62D00903B\" \/\>
    </WFEEvent>\",
    \"ParentProcInstID\": \"\",
    \"ProcDefID\": \"\",
    \"ProcInstID\": \"B7F0ACFA610349B4BF10A4DAB8E93458\",
    \"ProcInstName\": \"\",
    \"Sender\": \"mydomain\\administrator\",
    \"SentDate\": \"\/Date(1394147189772+0000)\/\",
    \"SourceWorkItemID\": \"\",
    \"Status\": \"Sent\",
    \"UserID\": \"\",
    \"WorkItemID\": \"2AA1E203047B41F29E3E29F62D00903B\",
    \"WorkObjectID\": \"\",
    \"WorkObjectInfo\": \"\"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

- [AgilePoint Community Forums](#) - A free, AgilePoint-moderated, crowd-sourcing user forum where you can ask questions about specific techniques, the solutions to use cases, workarounds, or other topics that may not be covered in the Product Documentation.
- [Professional Services](#) - If you can not find the information you need for your specific business problem, mentoring is available through AgilePoint Professional Services.
- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Complete Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Completes the specified human [task](#) (manual work item), and changes its [status](#) to [Completed](#) in the database.

Good to Know

- If the [process instance](#) is not in the [running](#) state, an exception is thrown.
- This API can be called only by the task owner or AgilePoint System User.
- If the specified task is a parent task with more than one linked tasks in the [Assigned](#) state, the API call fails.
- If the specified task is already completed, and user makes multiple attempts, the API returns null, with no action taken.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CompleteWorkItem/[workItemID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CompleteWorkItem/[workItemID]

Request Parameters

Name	Description
workItemID	<u>Description:</u> An ID that represents a work item (task).

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

Request Body Properties

Name	Description
clientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

JavaScript Code Example

```

$("#btnCompleteWorkItem").click(function () {

    var JSONObject = { clientData: null };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            CompleteWorkItem/C9B01E350C65473F9D37C895608E9C7A",
        data: JSON.stringify(JSONObject)
    });
}

```

```
});
```

Java Code Example

```
public String CompleteWorkItem() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteWorkItem/C9B01E350C65473F9D37C895608E9C7A";

    HTTPOperations ops = new HTTPOperations(domain, userName,
                password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("clientData", "");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example


```
public string CompleteWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteWorkItem/C9B01E350C65473F9D37C895608E9C7A";

    string jsonRequestData = "{\"clientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST --data {"clientData\":"\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      CompleteWorkItem/827028D244B4F4D911775FD623D75397
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "21142758708B4BCF891459E2F8A6E84F",
  "EventName": "CompleteWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
      <param name=\"ActivityInstID\"
        value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
      <param name=\"WorkItemID\"
        value=\"B246A848619D4116B782F8584C52636D\" \/\>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
```

```
"ProcInstName": "",
"Sender": "mydomain\\administrator",
"SentDate": "\/Date(1394148009109+0000)\/",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "",
"WorkItemID": "B246A848619D4116B782F8584C52636D",
"WorkObjectID": "",
"WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Create Linked Manual Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Creates a human [task](#) (manual work item) that is linked to another human task.

Good to Know

- The task you create may or may not depend on the completion of the task to which it is linked. It is based on the input parameter for the API -- for example `Dependent` with a value of `true` or `false`. In other words, if `Dependent` is set to `true`, the parent task cannot be completed until the newly created task gets completed. If `Dependent` is set to `false` the parent task can be marked as [Completed](#) before new task is completed.
- To call this method, the API account user must have the [access right](#), **Create a Task**.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/CreateLinkedWorkItem`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/CreateLinkedWorkItem`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
<code>bDependent</code>	<p><u>Description:</u></p> <p>Specifies whether the target work item waits for a linked work item to be completed or canceled before moving forward.</p> <p><u>Type</u></p> <p><code>bool</code></p> <p><u>Allowed Values:</u></p>

Name	Description
	<ul style="list-style-type: none"> • True - The source work item waits until the linked work item is either completed or canceled, before it can be completed or canceled. • False - The source work item can be completed or canceled regardless of whether the linked work item is completed or canceled.
BusinessTime	<p><u>Description:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Description:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u> A valid time duration length.</p>
SourceWorkItemID	<p><u>Description:</u> An ID that represents the original, or source, work item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character ID.</p>
Unit	<p><u>Description:</u> Specifies the unit.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid unit.</p>
UserID	<p><u>Description:</u> Specifies the user ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user ID.</p>
WorkToPerform	<p><u>Description:</u> Represents the task that performed by the participants of the activity.</p> <p><u>Type</u></p>

Name	Description
	<p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

These properties are based on the class [CreateLinkedWorkItemHelper](#)

JavaScript Code Example

```

$("#btnCreateLinkedWorkItem").click(function () {

    var JSONObject = {
        SourceWorkItemID: "0E11FFE63E594128B662CD27A259E4B3",
        WorkToPerform: "Test123",
        UserID: "mydomain\\susan.miller",
        Length: "2",
        Unit: "DAY",
        BusinessTime:true,
        bDependent: true,
        ClientData: null
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CreateLinkedWorkItem",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```

public String CreateLinkedWorkItem() {

    String URI =
    "https://mydomain:9011/AgilePointServer/Workflow/CreateLinkedWorkItem";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

```

```

    postData.put("SourceWorkItemID", "0E11FFE63E594128B662CD27A259E4B3");
    postData.put("WorkToPerform", "New WorkItem");
    postData.put("UserID", "mydomain\\susan.miller");
    postData.put("Length", "2");
    postData.put("Unit", "DAY");
    postData.put("BusinessTime", "true");
    postData.put("bDependent", "true");
    postData.put("ClientData", "");
    return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string CreateLinkedWorkItem()
{
    string jsonRequestData = "{
        \"SourceWorkItemID\": \"0E11FFE63E594128B662CD27A259E4B3\",
        \"WorkToPerform\": \"CreateLinkedWorkItem\",
        \"UserID\": \"mydomain\\\\brian.lucas\",
        \"Length\": \"2\",
        \"Unit\": \"DAY\",
        \"BusinessTime\": \"true\",
        \"bDependent\": \"true\",
        \"ClientData\": \"\" + null + \"\"}";

    string URI =
"https://mydomain:9011/AgilePointServer/Workflow/CreateLinkedWorkItem";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtdNDI0XEFkZWluOnBhc3M="

```

```

--request POST
--data
{"SourceWorkItemID\":"827228D244B4F4D91177678FFB6AD312\",
\WorkToPerform\":"CreateLinkedWorkItem\", \"UserID\":"mydomain\\brian.lucas\",
  \Length\":"2\", \"Unit\":"DAY"}

https://mydomain:9011/AgilePointServer/Workflow/CreateLinkedWorkItem

```

Output

WFEEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```

{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "572215CBEA884B7890259879C21FAC42",
  "EventName": "CreateWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEEvent>
      <param name=\"ExpectedTime\" value=\"2 Day(s)(business time)\"
    \/>
      <param name=\"workPerformer\" value=\"Revise\" \/>
      <param name=\"SourceWorkItemID\"
        value=\"2AA1E203047B41F29E3E29F62D00903B\" \/>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/>
      <param name=\"UserID\" value=\"mydomain\\administrator\" \/>

```

```
<param name=\"ActivityInstID\"
      value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \\/>
<param name=\"waitWorkPerformed\" value=\"True\" \\/>
<param name=\"HighPriority\" value=\"True\" \\/>
<param name=\"Carbon\" value=\"False\" \\/>
<param name=\"WorkItemID\"
      value=\"CE4265BC8CA944F885446962D0463974\" \\/>
<\/WFEEvent>\",
\"ParentProcInstID\": \"\",
\"ProcDefID\": \"\",
\"ProcInstID\": \"B7F0ACFA610349B4BF10A4DAB8E93458\",
\"ProcInstName\": \"\",
\"Sender\": \"mydomain\\administrator\",
\"SentDate\": \"\/Date(1394148475011+0000)\/\",
\"SourceWorkItemID\": \"2AA1E203047B41F29E3E29F62D00903B\",
\"Status\": \"Sent\",
\"UserID\": \"mydomain\\administrator\",
\"WorkItemID\": \"CE4265BC8CA944F885446962D0463974\",
\"WorkObjectID\": \"\",
\"WorkObjectInfo\": \"\"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Create Carbon Copy Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Creates a **Carbon** copy **task** for a manager that does not have to be completed in order for a **process instance** to advance to the next **activity**.

Good to Know

- To call this method, the API account user must have the **access right**, **Create a Task**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CreatePseudoWorkItem

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CreatePseudoWorkItem

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
bReserved	<u>Description:</u> Reserved for future use.

Name	Description
	<p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <p>A null value</p>
BusinessTime	<p><u>Description:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Description:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p>

Name	Description
	<p>string</p> <p><u>Allowed Values:</u> A valid time duration length.</p>
SourceWorkItemID	<p><u>Description:</u> An ID that represents the original, or source, work item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character ID.</p>
Unit	<p><u>Description:</u> Specifies the unit.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid unit.</p>
UserID	<p><u>Description:</u> Specifies the user ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user ID.</p>
WorkToPerform	<p><u>Description:</u> Represents the task that performed by the participants of the activity.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

These properties are based on the class [CreatePseudoWorkItemHelper](#)

JavaScript Code Example

```

$("#btnCreatePseudoWorkItem").click(function () {

    var JSONObject = {
        SourceWorkItemID: "2AA1E203047B41F29E3E29F62D00903B",
        WorkToPerform: "Test1234",
        UserID: "mydomain\\brian.lucas",
        Length: "2",
        Unit: "DAY",
        BusinessTime:true,
        bReserved: true,
        ClientData: null
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CreatePseudoWorkItem",
        data: JSON.stringify(JSONObject)
    });
}
});

```

Java Code Example

```

public String CreatePseudoWorkItem() {

    String URI =
    "https://mydomain:9011/AgilePointServer/Workflow/CreatePseudoWorkItem";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);
}

```

```
JSONObject postData = new JSONObject();

postData.put("SourceWorkItemID", "2AA1E203047B41F29E3E29F62D00903B");
postData.put("WorkToPerform", "New WorkItem");
postData.put("UserID", "mydomain\\susan.miller");
postData.put("Length", "2");
postData.put("Unit", "DAY");
postData.put("BusinessTime", "true");
postData.put("bDependent", "true");
postData.put("ClientData", "");
return ops.POSTMethod(URI, postData.toString());
return "";
}
```

C# Code Example


```
public string btnCreatePseudoWorkItem()
{
    string URL =
"https://mydomain:9011/AgilePointServer/Workflow/CreatePseudoWorkItem";

    string jsonRequestData = "{
    \"SourceWorkItemID\": \"2AA1E203047B41F29E3E29F62D00903B\",
    \"WorkToPerform\": \"Test1234\",
    \"UserID\": \"ap2\\administrator\",
    \"Length\": \"2\",
    \"Unit\": \"DAY\",
    \"BusinessTime\": \"true\",
    \"bReserved\": \"true\",
    \"ClientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
{"SourceWorkItemID\":"827228D244B4F4D91177678FFB6AD312",
  "WorkToPerform\":"Test1234",
  "UserID\":"ap2\\administrator",
  "Length\":"2",
  "Unit\":"DAY",
  "BusinessTime\":"true",
  "bReserved\":"true",
  "ClientData\":"null"}
```

```
https://mydomain:9011/AgilePointServer/Workflow/CreatePseudoWorkItem
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "572215CBEA884B7890259879C21FAC42",
  "EventName": "CreateWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ExpectedTime\"
        value=\"2 Day(s)(business time)\" \/>
```

```
<param name=\"workPerformer\" value=\"Revise\" \/>
<param name=\"SourceWorkItemID\"
    value=\"2AA1E203047B41F29E3E29F62D00903B\" \/>
<param name=\"ProcInstID\"
    value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/>
<param name=\"UserID\" value=\"mydomain\\brian.lucas\" \/>
<param name=\"ActivityInstID\"
    value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \/>
<param name=\"waitWorkPerformed\" value=\"True\" \/>
<param name=\"HighPriority\" value=\"True\" \/>
<param name=\"Carbon\" value=\"False\" \/>
<param name=\"WorkItemID\"
    value=\"CE4265BC8CA944F885446962D0463974\" \/>
</WFEEvent>\",
"ParentProcInstID": "",
"ProcDefID": "",
"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "",
"Sender": "mydomain\\brian.lucas",
"SentDate": "\\Date(1394148475011+0000)\\",
"SourceWorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
"Status": "Sent",
"UserID": "mydomain\\brian.lucas",
"WorkItemID": "CE4265BC8CA944F885446962D0463974",
"WorkObjectID": "",
"WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Create Manual Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Creates a human [task](#) (manual work item) for the specified activity instance ID.

Good to Know

- You must send the activity instance ID, WorkToPerform, user ID, task owner, duration, and ClientData (optional) parameters for this API call.
- To call this method, the API account user must have the [access right](#), **Create a Task**.
- The created task is not dependent on any other tasks.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CreateWorkItem

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CreateWorkItem

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
ActivityInstanceID	<p><u>Description:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>
BusinessTime	<p><u>Description:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p>

Name	Description
	<p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Description:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid time duration length.</p>
Unit	<p><u>Description:</u></p> <p>Specifies the unit.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid unit.</p>
UserID	<p><u>Description:</u></p> <p>Specifies the user associated with the work item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user ID.</p>
WorkToPerform	<p><u>Description:</u></p>

Name	Description
	<p>Represents the task that performed by the participants of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

These properties are based on the class [CreateWorkItemHelper](#)

JavaScript Code Example

```

$("#btnCreateWorkItem").click(function () {

    var JSONObject = {
        ActivityInstanceID: "0DB05C1A1BAB445895CCF46E096AECDD",
        WorkToPerform: "Test",
        UserID: "mydomain\\brian.lucas",
        Length: "2",
        Unit: "DAY",
        BusinessTime:true,
        ClientData: null
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```

public String CreateWorkItem() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

```

```
JSONObject postData = new JSONObject();

postData.put("ActivityInstanceID",
    "0E11FFE63E594128B662CD27A259E4B3");
postData.put("SourceWorkItemID", "0E11FFE63E594128B662CD27A259E4B3");
postData.put("WorkToPerform", "New WorkItem");
postData.put("UserID", "mydomain\\susan.miller");
postData.put("Length", "2");
postData.put("Unit", "DAY");
postData.put("BusinessTime", "true");
postData.put("bDependent", "true");
postData.put("ClientData", "");
return ops.POSTMethod(URI, postData.toString());
return "";
}
```

C# Code Example

```
public string CreateWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem";

    string jsonRequestData = "{
        \"SourceWorkItemID\": \"E48644178C514A95AB457F00A35F1550\",
        \"WorkToPerform\": \"Test123\",
        \"UserID\": \"MYDOMAIN\\administrator\",
        \"Length\": \"2\",
        \"Unit\": \"DAY\",
        \"BusinessTime\": \"true\",
        \"bDependent\": \""+true+"\",
        \"ClientData\": \"\" + null + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
{"ActivityInstanceID\":"827028D244B4F4D9117757491D0C4F5A",
 "WorkToPerform\":"Test1234",
 "UserID\":"mydomain\\brian.lucas",
 "Length\":"2",
 "Unit\":"DAY",
 "BusinessTime\":"true",
 "ClientData\":"null"}
```

https://mydomain:9011/AgilePointServer/Workflow/CreateWorkItem

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(1394148914232+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "B7A7115262B6491CB8809E6AFF31E640",
  "EventName": "CreateWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ExpectedTime\"
        value=\"2 Day(s)(business time)\" \/>
      <param name=\"HighPriority\" value=\"True\" \/>
    </WFEvent>
  </?xml>
```

```
<param name=\"ActivityInstID\"
      value=\"0DB05C1A1BAB445895CCF46E096AECDD\" \\/>
<param name=\"ProcInstID\"
      value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \\/>
<param name=\"UserID\" value=\"mydomain\\brian.lucas\" \\/>
<param name=\"waitWorkPerformed\" value=\"False\" \\/>
<param name=\"workPerformer\" value=\"Test\" \\/>
<param name=\"Carbon\" value=\"False\" \\/>
<param name=\"WorkItemID\"
      value=\"D02F4ADD314B46DF91CE32D42B3190CB\" \\/>
<\\WFEEvent>\",
\"ParentProcInstID\": \"\",
\"ProcDefID\": \"\",
\"ProcInstID\": \"B7F0ACFA610349B4BF10A4DAB8E93458\",
\"ProcInstName\": \"\",
\"Sender\": \"mydomain\\administrator\",
\"SentDate\": \"\\/Date(1394148914227+0000)\\/\",
\"SourceWorkItemID\": \"\",
\"Status\": \"Sent\",
\"UserID\": \"mydomain\\brian.lucas\",
\"WorkItemID\": \"D02F4ADD314B46DF91CE32D42B3190CB\",
\"WorkObjectID\": \"\",
\"WorkObjectInfo\": \"\"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Manual Work Item (Task) by ID

API Type

REST

HTTP Method

GET

Description

Retrieves a human [task](#) (manual work item) object for the specified [task ID](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetWorkItem/[workItemID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/GetWorkItem/[workItemID]`

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

JavaScript Code Example

```
$("#btnGetWorkItem").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetWorkItem/00634B57AC4A4DAA90DFB998D889A820",
        type: "GET"
    });

});
```

Java Code Example

```
public String GetWorkItem() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetWorkItem/00634B57AC4A4DAA90DFB998D889A820";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    return ops.GETMethod(URI);
}
```

C# Code Example

```
public string GetWorkItem()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
        GetWorkItem/00634B57AC4A4DAA90DFB998D889A820";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetWorkItem/827028D244B4F4D9117757491D0C4F62
```

Output

WFManualWorkItem object.

JSON Response Body Example

```
{
  "GetWorkItemResult":
  {
    "ActivatedDate": "\/Date(1394147363103+0000)\/",
    "ActivityInstID": "0DB05C1A1BAB445895CCF46E096AECDD",
    "ApplName": "MyApplication",
    "AssignedDate": "\/Date(1390001063537+0000)\/",
    "BeingProcessed": false,
    "CancelledDate": "\/Date(1394147189803+0000)\/",
    "ClientData": "",
    "CompletedDate": "\/Date(928149600000+0000)\/",
    "CreatedDate": "\/Date(1390001063537+0000)\/",
    "DefName": "BudgetRequestProcess",
    "DisplayName": "Revise",
    "DueDate": "\/Date(1390087440000+0000)\/",
    "DueHandled": true,
    "LastModifiedBy": "mydomain\\administrator",
    "LastModifiedDate": "\/Date(1394147363107+0000)\/",
    "Name": "Revise",
    "OriginalUserID": "mydomain\\administrator",
    "Pending": false,
    "PoolID": "",
    "PoolInfo": "",
    "Priority": "Normal",
    "ProcDefID": "258220E3849F4D04853F7B591B9C385E",
    "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
    "ProcInstName": "BudgetRequestProcess-B7F0ACFA610349B4BF10A4DAB8E93458",
```

```
"ResolveParticipant": "",
"RestrictionType": " ",
"Session": 1,
"SourceWorkItemID": "",
"Status": "Cancelled",
"UserID": "mydomain\\administrator",
"WaitWorkPerformed": true,
"WorkItemID": "2AA1E203047B41F29E3E29F62D00903B",
"WorkObjectID": "4B7A98C9374C4480A26D06DC67379FE3"
}
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Get Work List By User ID

API Type

REST

HTTP Method

POST

Description

Retrieves a human [task](#) (manual work item) collection by specifying a user name and task [status](#).

Good to Know

- Multiple status can be specified with a semicolon (;) delimited list.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetWorkListByUserID

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetWorkListByUserID

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Status	<p><u>Description:</u></p> <p>The status of the work item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none">• New - The work item is in a pool, more than one participant shares the work item and needs to be assigned.• Assigned - The work item is assigned to a participant and needs to be performed.

Name	Description
	<ul style="list-style-type: none"> • Removed - The work item was originally in a pool (status is new), and didn't get assigned to the user. • Completed - The work item is completed. • Reassigned - The work item is re-assigned to the other user. • Canceled - The work item is canceled. • Overdue - The work item is overdue. • Carbon - The work item is a carbon copy that does not affect process instance running.
UserName	<p><u>Description:</u></p> <p>Specifies a qualified user name of the instance. A qualified user name formats as [Domain Name]\[Logon Username] or [Local host name]\[Logon Username].</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

These properties are based on the class [GetWorkListByUserIDHelper](#)

JavaScript Code Example

```

$("#btnGetWorkListByUserID").click(function () {

    var JSONObject = {
        UserName: "mydomain\\brian.lucas",
        Status: "Completed"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetWorkListByUserID",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```
public String GetWorkListByUserID() {

    String URI =
    "https://mydomain:9011/AgilePointServer/Workflow/GetWorkListByUserID";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("UserName", "mydomain\\brian.lucas");
    postData.put("Status", "Completed");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example


```
public string GetWorkListByUserID()
{
    string URI =
    "https://mydomain:9011/AgilePointServer/Workflow/GetWorkListByUserID";

    string jsonRequestData = "{
        \"userName\": \"\" + \"mydomain\\\\\\\\brian.lucas\" + \"\",
        \"Status\": \"\" + \"Completed\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"UserName\":\"mydomain\\brian.lucas\",
             \"Status\":\"Completed\"}

https://mydomain:9011/AgilePointServer/Workflow/GetWorkListByUserID
```

Output

Array of WFManualWorkItem objects.

JSON Response Body Example

```
[{
  "ActivatedDate": "\/Date(928149600000+0000)\/",
  "ActivityInstID": "064046C009DC4F5583509D8189F3B771",
  "ApplName": "MyApplication",
  "AssignedDate": "\/Date(1389318661983+0000)\/",
  "BeingProcessed": false,
  "CancelledDate": "\/Date(1389319005427+0000)\/",
  "ClientData": "",
  "CompletedDate": "\/Date(928149600000+0000)\/",
  "CreatedDate": "\/Date(1389318661983+0000)\/",
  "DefName": "BudgetRequestProcess",
  "DisplayName": "Manager Approval",
  "DueDate": "\/Date(1389405060000+0000)\/",
  "DueHandled": false,
  "LastModifiedBy": "mydomain\\brian.lucas",
  "LastModifiedDate": "\/Date(1389319005427+0000)\/",
  "Name": "ManagerApprove",
  "OriginalUserID": "mydomain\\brian.lucas",
  "Pending": false,
  "PoolID": "",
  "PoolInfo": "",
  "Priority": "Normal",
  "ProcDefID": "258220E3849F4D04853F7B591B9C385E",
  "ProcInstID": "B49C9AA65BE1470884A9F1DF60632ABC",
  "ProcInstName": "BudgetRequestProcess-B49C9AA65BE1470884A9F1DF60632ABC",
  "ResolveParticipant": "",
  "RestrictionType": " ",
  "Session": 1,
  "SourceWorkItemID": "",
```

```
"Status": "Reassigned",
"UserID": "mydomain\\brian.lucas",
"WaitWorkPerformed": true,
"WorkItemID": "485194FC741F4A4E83A71CDCBD9997D3",
"WorkObjectID": "D6DF81165A744F1A803169051615E37C"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Query Work List Using SQL

API Type

REST

HTTP Method

POST

Description

Retrieves a list of human [tasks](#) (manual work items) using a a specified [WHERE clause](#) of an SQL query expression.

Good to Know

- Only pass the WHERE clause without WHERE keyword, not the whole query.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryWorkList

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryWorkList

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
expr	<p><u>Description:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p>WFQueryExprHelper</p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>

JavaScript Code Example

```
$("#btnQueryWorkList").click(function () {

    var JSONObject = {
        ColumnName: "STATUS", Operator: "EQ", WhereClause: "Assigned",
```

```
                IsValue: true
            };
        $.ajax({
            url: "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkList",
            data: JSON.stringify(JSONObject)
        });
    });
});
```

Java Code Example

```
public String QueryWorkList() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkList";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("ColumnName", "STATUS");
    postData.put("Operator", "EQ");
    postData.put("WhereClause", "Assigned");
    postData.put("IsValue", "true");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string QueryWorkList()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkList";

    string jsonRequestData = "{
        \"ColumnName\": \"\" + \"STATUS\" + \"\",
        \"Operator\": \"\" + \"EQ\" + \"\",
        \"WhereClause\": \"\" + \"Assigned\" + \"\",
        \"IsValue\": \"\" + \"true\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
```

```
return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\":"PROC_INST_ID",
             \Operator\":"EQ",
             \WhereClause\":"827028D244B4F4D9117757491D0C4F53",
             \IsValue\":"true"}

https://mydomain:9011/AgilePointServer/Workflow/QueryWorkList
```

Output

An array of WFManualWorkItem objects that contain the work item data.

JSON Response Body Example

```
[{
  "ActivatedDate": "\/Date(928149600000+0000)\/",
  "ActivityInstID": "249CCC6F0B48470B8668BF4567B67C75",
  "ApplName": "MyApplication",
  "AssignedDate": "\/Date(1390852380123+0000)\/",
  "BeingProcessed": false,
  "CancelledDate": "\/Date(928149600000+0000)\/",
  "ClientData": "",
  "CompletedDate": "\/Date(928149600000+0000)\/",
  "CreatedDate": "\/Date(1390852380123+0000)\/",
  "DefName": "BudgetRequest",
  "DisplayName": "Waiting for Manager Approval",
  "DueDate": "\/Date(1390938780000+0000)\/",
  "DueHandled": false,
  "LastModifiedBy": "mydomain\\lilly.allen",
  "LastModifiedDate": "\/Date(1390852390623+0000)\/",
  "Name": "Intake",
  "OriginalUserID": "mydomain\\lilly.allen",
```

```
"Pending": true,
"PoolID": "",
"PoolInfo": "",
"Priority": "Normal",
"ProcDefID": "EEA1DE90DC3144E3A0D8B9487BBE44D4",
"ProcInstID": "A8D80F3FEB6C4E74A4D001036E30E5D6",
"ProcInstName": "BudgetRequest-1\27\2014 11:49:07 AM",
"ResolveParticipant": "",
"RestrictionType": " ",
"Session": 2,
"SourceWorkItemID": "",
"Status": "Assigned",
"UserID": "mydomain\\lilly.allen",
"WaitWorkPerformed": true,
"WorkItemID": "287524CC39B34DC3BDD73275BA7769DE",
"WorkObjectID": "459BCC8A8A36444DAA7077CF0F6C1254"
}]
```

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Query Work List (Tasks) Using SQL

API Type

REST

HTTP Method

POST

Description

Retrieves a list of human **tasks** (manual work items) using a specified **WHERE clause** of an SQL query expression.

Good to Know

- Only pass the WHERE clause without WHERE keyword, not the whole query.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryWorkListUsingSQL

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryWorkListUsingSQL

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
sqlWhereClause	<u>Description:</u> The where clause of the SQL statement you want to query.

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

JavaScript Code Example

```

$("#btnQueryWorkListUsingSQL").click(function () {

    var JSONObject = {
        sqlWhereClause: "WF_MANUAL_WORKITEMS.USER_ID='mydomain\\lilly.allen'
                        and WF_MANUAL_WORKITEMS.STATUS
                        in ('New', 'Assigned') "
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkListUsingSQL",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```

public String QueryWorkListUsingSQL() {

    String URI =
    "https://mydomain:9011/AgilePointServer/Workflow/QueryWorkListUsingSQL";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    String sqlWhereClause = "WF_MANUAL_WORKITEMS.USER_ID='mydomain\\lilly.allen'
and
                        WF_MANUAL_WORKITEMS.STATUS in ('New', 'Assigned')";
    postData.put("sqlWhereClause", sqlWhereClause);
}

```

```

        return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

C# Code Example

```

public string QueryWorkListUsingSQL()
{
    string URI =
"https://mydomain:9011/AgilePointServer/Workflow/QueryWorkListUsingSQL";

    string jsonRequestData = "{
        \"sqlWhereClause\": \"WF_MANUAL_WORKITEMS.USER_ID='MYDOMAIN\\\\\\\\administrator'
and
        WF_MANUAL_WORKITEMS.STATUS in ('New', 'Overdue') \"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}

```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\": \"PROC_INST_ID\",
      \"Operator\": \"EQ\",
      \"WhereClause\": \"827028D244B4F4D9117757491D0C4F53\",
      \"IsValue\": \"true\"}

https://mydomain:9011/AgilePointServer/Workflow/QueryWorkListUsingSQL

```

Output

A list of work items which match the where condition.

JSON Response Body Example

```
[{
  "ActivatedDate": "\/Date(928149600000+0000)\/",
  "ActivityInstID": "249CCC6F0B48470B8668BF4567B67C75",
  "ApplName": "MyApplication",
  "AssignedDate": "\/Date(1390852380123+0000)\/",
  "BeingProcessed": false,
  "CancelledDate": "\/Date(928149600000+0000)\/",
  "ClientData": "",
  "CompletedDate": "\/Date(928149600000+0000)\/",
  "CreatedDate": "\/Date(1390852380123+0000)\/",
  "DefName": "BudgetRequest",
  "DisplayName": "Waiting for Patient to perform Intake",
  "DueDate": "\/Date(1390938780000+0000)\/",
  "DueHandled": false,
  "LastModifiedBy": "mydomain\\lilly.allen",
  "LastModifiedDate": "\/Date(1390852390623+0000)\/",
  "Name": "Intake",
  "OriginalUserID": "mydomain\\lilly.allen",
  "Pending": true,
  "PoolID": "",
  "PoolInfo": "",
  "Priority": "Normal",
  "ProcDefID": "EEA1DE90DC3144E3A0D8B9487BBE44D4",
  "ProcInstID": "A8D80F3FEB6C4E74A4D001036E30E5D6",
  "ProcInstName": "BudgetRequest-1\/27\/2014 11:49:07 AM",
  "ResolveParticipant": "",
  "RestrictionType": " ",
  "Session": 2,
  "SourceWorkItemID": "",
  "Status": "Assigned",
  "UserID": "mydomain\\lilly.allen",
  "WaitWorkPerformed": true,
  "WorkItemID": "287524CC39B34DC3BDD73275BA7769DE",
  "WorkObjectID": "459BCC8A8A36444DAA7077CF0F6C1254"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Reassign Work Item

API Type

REST

HTTP Method

POST

Description

Reassigns a human [task](#) (manual work item) to another [participant](#), and updates the user name field for the task.

Good to Know

- To call this method, the API account user must have the [access right](#), **Reassign a Task**.
- This API can be called only by the task owner or [AgilePoint System Account](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/ReassignWorkItem`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/ReassignWorkItem

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
UserName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>
WorkItemID	<p><u>Description:</u></p>

Name	Description
	<p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

JavaScript Code Example

```
var JSONObject = {
  "WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
  "UserName": "mydomain\\Lilly.Allen",
  "ClientData": ""
};
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/ReassignWorkItem",
  data: JSON.stringify(JSONObject)
});
```

Java Code Example

```
public String ReassignWorkItem() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/ReassignWorkItem";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();

  postData.put("WorkItemID", "9FA1E98B85264545A62384A57D24FFF4");
  postData.put("UserName", "mydomain\\Lilly.Allen");
  postData.put("ClientData", "");
  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

C# Code Example

```
public string ReassignWorkItem()
{
    string URI =
    "https://mydomain:9011/AgilePointServer/Workflow/ReassignWorkItem";

    string jsonRequestData = "{
        \"WorkItemID\": \"\" + \"27BDCAFF90954753B0F8FA8F864EA79C\" + "\",
        \"UserName\": \"\" + \"mydomain\\Lilly.Allen\" + "\",
        \"ClientData\": \"\" + null + "\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
      {"WorkItemID\": \"827028D244B4F4D9117757491D0C4F62\",
        \"UserName\": \"mydomain\\brian.lucas\",
        \"ClientData\": \"\"}

https://mydomain:9011/AgilePointServer/Workflow/ReassignWorkItem
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.

- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
  "Error": null,
  "EventID": "32535618F3EE4CA1A54A738D9EBB87A6",
  "EventName": "ReassignWorkItem",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEEvent>
      <param name=\"ClientData\" value=\"\" \/\>
      <param name=\"owner\" value=\"\" \/\>
      <param name=\"ActivityInstID\"
        value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \/\>
      <param name=\"UserID\" value=\"mydomain\\Lilly.Allen\" \/\>
      <param name=\"HighPriority\" value=\"True\" \/\>
      <param name=\"ProcInstID\"
        value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \/\>
      <param name=\"WorkItemID\"
        value=\"9FA1E98B85264545A62384A57D24FFF4\" \/\>
    <\WFEEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
  "ProcInstName": "",
  "Sender": "mydomain\\Brian.Lucas",
  "SentDate": "\/Date(1394152020511+0000)\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "mydomain\\Lilly.Allen",
  "WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
  "WorkObjectID": "",
  "WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Release Assigned Work Item Back to Pool

API Type

REST

HTTP Method

POST

Description

Unassigns a human [task](#) (manual work item) that was previously assigned to a user.

Good to Know

- This method applies to the tasks that can be assigned to members of [groups](#) or [roles](#).
- If the task [status](#) is not [Assigned](#) or [Overdue](#), the API fails.
- The API call must be made by task owner or [AgilePoint System Account](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/UndoAssignWorkItem/[workItemID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/UndoAssignWorkItem/[workItemID]

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

Request Body Properties

Name	Description
clientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p>

Name	Description
	If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.

JavaScript Code Example

```
$("#btnUndoAssignWorkItem").click(function () {  
  
    var JSONObject = { clientData: null };  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            UndoAssignWorkItem/D4751D6380F141A4AC89AF6820B988D5",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String UndoAssignWorkItem() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                UndoAssignWorkItem/D4751D6380F141A4AC89AF6820B988D5";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("clientData", "");  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

C# Code Example

```
public string UndoAssignWorkItem()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
```

```
UndoAssignWorkItem/D4751D6380F141A4AC89AF6820B988D5" ;

string jsonData = "{\"clientData\": \"\" + null + \"\"}";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, jsonData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST --data {"clientData": ""}
      https://mydomain:9011/AgilePointServer/Workflow/
      UndoAssignWorkItem/827028D244B4F4D9117757491D0C4F62
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "A27AD9FE81164DBDB09E9E7CEDCD0930",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\/Date(928149600000+0000)\/",
  "Entries": 1,
```

```
"Error": null,
"EventID": "FEACD610F5B24901B231F9038D74DF88",
"EventName": "UndoAssignWorkItem",
"HighPriority": true,
"ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <WFEEvent>
    <param name=\"ProcInstID\"
      value=\"B7F0ACFA610349B4BF10A4DAB8E93458\" \\/>
    <param name=\"ActivityInstID\"
      value=\"A27AD9FE81164DBDB09E9E7CEDCD0930\" \\/>
    <param name=\"HighPriority\" value=\"True\" \\/>
    <param name=\"WorkItemID\"
      value=\"9FA1E98B85264545A62384A57D24FFF4\" \\/>
  <\WFEEvent>\",
"ParentProcInstID": "",
"ProcDefID": "",
"ProcInstID": "B7F0ACFA610349B4BF10A4DAB8E93458",
"ProcInstName": "",
"Sender": "mydomain\\brian.lucas",
"SentDate": "\\Date(1394152264074+0000)\\",
"SourceWorkItemID": "",
"Status": "Sent",
"UserID": "",
"WorkItemID": "9FA1E98B85264545A62384A57D24FFF4",
"WorkObjectID": "",
"WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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Update Work Item

API Type

REST

HTTP Method

POST

Description

Updates the properties for a human [task](#) (manual work item) or a [system activity](#) (automatic work item).

Good to Know

- Lets you update only the properties: Task Name, Original User ID, ClientData, Pool ID, Pool Info, Status, User ID, Resolve Participant, Priority, or Due Date.
If you try to update any other property, it throws an exception.
- To call this method, the API account user must have the [access right](#), **Create a Task**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/UpdateWorkItem/[workItemID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/UpdateWorkItem/[workItemID]

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

Request Body Properties

Name	Description
attributes	<p><u>Description:</u></p> <p>A NameValue array that contains the attributes that needs to be updated in the work item.</p> <p><u>Type</u></p> <p>NameValue</p> <p><u>Allowed Values:</u></p> <p>For a manual work item, the following attributes can be updated:</p> <ul style="list-style-type: none"> • NAME • ORIGINAL_USER_ID • CLIENT_DATA, POOL_ID • POOL_INFO • STATUS • USER_ID

Name	Description
	<ul style="list-style-type: none"> • PRIORITY • DUE_DATE <p>For an automatic work item, the following attributes can be updated:</p> <ul style="list-style-type: none"> • DUE_DATE • STATUS - if the value is Canceled, Completed, Overdue, Running, or Waiting.

JavaScript Code Example

```

$("#btnUpdateWorkItem").click(function () {

    var JSONObject = { attributes: [{ Name: "NAME", Value: "nishant" }]};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            UpdateWorkItem/3D1F3E6003E4487ABA8E2ADB22A85CC2",
        dataType: "text",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```

public String UpdateWorkItem() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        UpdateWorkItem/3D1F3E6003E4487ABA8E2ADB22A85CC2";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONArray postArray = new JSONArray();
    String[] Name = { "NAME" };
    String[] Value = { "Rollback Session Demo New" };

    for (int i = 0; i < Name.length; i++) {
        JSONObject nameValuePair = new JSONObject();
        nameValuePair.put("Name", Name[i]);
    }
}

```

```

        nameValuePair.put("Value", Value[i]);

        postArray.put(nameValuePair);
    }

    JSONObject postData = new JSONObject();
    postData.put("attributes", postArray);
    return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string UpdateWorkItem()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                UpdateWorkItem/3D1F3E6003E4487ABA8E2ADB22A85CC2";

    string jh = "{
        \"attributes\": [{\"Name\": \"NAME\",
        \"Value\": \"Rollback Session Demo New\"}] }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jh);
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"attributes": [{"Name": "NAME",
      "Value": "Rollback Session Demo New"}]}
      https://mydomain:9011/AgilePointServer/Workflow/
      UpdateWorkItem/827128D244B4F4D9117760CA3A2EC9FE

```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Methods for Automatic Work Items (Procedures)

This section describes service calls related to automatic work items.

Cancel Automatic Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Cancels the specified [system activity](#) (automatic work item).

Good to Know

- This API can be called for [process instances](#) in the [running](#) status only.
- To call this method, the API account user must have the [access right](#), **Cancel a Task**.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/CancelProcedure/[workItemID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CancelProcedure/[workItemID]

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

JavaScript Code Example

```
$("#btnCancelProcedure").click(function () {
```

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Workflow/
      CancelProcedure/CFF4B6D3DBF546A2B0423AD413A94420"
});
});
```

Java Code Example

```
public String CancelProcedure() {

  String URI = "https://mydomain:9011/AgilePointServer/Workflow/
      CancelProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

  HTTPOperations ops = new HTTPOperations(domain, userName,
      password, appID, locale);

  JSONObject postData = new JSONObject();
  return ops.POSTMethod(URI, postData.toString());
}
```


C# Code Example

```
public string CancelProcedure()
{
  string URI = "https://mydomain:9011/AgilePointServer/Workflow/
      CancelProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
      password, appID, locale);

  return ops.POSTMethod(URI, "");
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      -X POST -d
      '{"WORKITEMID": "{827028D244B4F4D9117757491D0C4F62}"}'
```

```
https://mydomain:9011/AgilePointServer/Workflow/
CancelProcedure/827028D244B4F4D9117757491D0C4F62
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\/",
  "Entries": 1,
  "Error": null,
  "EventID": "8D14B5AED0C04F4CAEC959157A433294",
  "EventName": "CancelProcedure",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"3079D0D9031F4EBF808ED158C622FCC5\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
      <param name=\"WorkItemID\"
        value=\"0077C938254B4D6BAC2BD65566C706D6\" \\/>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "3079D0D9031F4EBF808ED158C622FCC5",
  "ProcInstName": "",
  "Sender": "mydomain\\brian.lucas",
  "SentDate": "\\Date(1394153369353+0000)\\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
```

```
"UserID": "",
"WorkItemID": "0077C938254B4D6BAC2BD65566C706D6",
"WorkObjectID": "",
"WorkObjectInfo": ""
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Complete Procedure (System Activity or AgilePart)

API Type

REST

HTTP Method

POST

Description

Completes the specified [system activity](#) (automatic work item).

Good to Know

- This API can be called for [process instances](#) in the [running](#) or [Suspended status](#) only.
- If **trustedAuthorization** is set to **False**, this method will not execute unless a special access control is turned on.

For more information, refer to [Why Do I Get an Access Denied Error for an API Method Call?](#).

URL Format (OnPremises, Private Cloud)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/CompleteProcedure/\[workItemID\]](https://[domain]:[port]/AgilePointServer/Workflow/CompleteProcedure/[workItemID])

URL Format (OnDemand)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/CompleteProcedure/\[workItemID\]](https://[domain]:[port]/AgilePointService/Workflow/CompleteProcedure/[workItemID])

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

JavaScript Code Example

```
$("#btnCompleteProcedure").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/
            Workflow/CompleteProcedure/CF4B6D3DBF546A2B0423AD413A94420"
    });
});
```

Java Code Example

```
public String CompleteProcedure() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string CompleteProcedure()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CompleteProcedure/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      -X POST -d
      '{"WORKITEMID":{"827028D244B4F4D9117757491D0C4F62}}'
      https://mydomain:9011/AgilePointServer/Workflow/
      CompleteProcedure/827028D244B4F4D9117757491D0C4F62
```

Output

WFEvent object that provides the status of the transaction. The possible statuses are:

- **Sent** - Indicates event has been sent to engine for processing.
- **Failed** - Indicates event failed to process.
- **Processed** - Indicates event has been processed successfully.
- **Canceled** - Indicates event was canceled.
- **Deferred** - Indicates event does not need to be sent immediately.

JSON Response Body Example

```
{
  "ActivityInstID": "",
  "AutoStart": true,
  "CustomAttributes": null,
  "Diagnostic": true,
  "EndDate": "\\Date(928149600000+0000)\\/",
  "Entries": 1,
  "Error": null,
  "EventID": "980B0DBFC2E142DCB89671DE521034CD",
  "EventName": "CompleteProcedure",
  "HighPriority": true,
  "ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <WFEvent>
      <param name=\"ProcInstID\"
        value=\"540e835b76b646ba9d43fecba792d00d\" \\/>
      <param name=\"HighPriority\" value=\"True\" \\/>
      <param name=\"WorkItemID\"
        value=\"0406BF0DEB9140DC8FE61076376B6166\" \\/>
    <\WFEvent>",
  "ParentProcInstID": "",
  "ProcDefID": "",
  "ProcInstID": "540e835b76b646ba9d43fecba792d00d",
  "ProcInstName": "",
  "Sender": "mydomain\\brian.lucas",
  "SentDate": "\\Date(1394153495472+0000)\\/",
  "SourceWorkItemID": "",
  "Status": "Sent",
  "UserID": "",
  "WorkItemID": "0406BF0DEB9140DC8FE61076376B6166",
  "WorkObjectID": "",
```

```
"WorkObjectInfo": ""  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Automatic Work Item (Task) by ID

API Type

REST

HTTP Method

GET

Description

Retrieves a [system activity](#) (automatic work item) with the specified [task ID](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetProcedure/[workItemID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetProcedure/[workItemID]

Request Parameters

Name	Description
workItemID	<p><u>Description:</u></p> <p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

JavaScript Code Example

```
$("#btnGetProcedure").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetProcedure/0000274B0AA64BBC8FCA086A6EFDFA44",  
        type: "GET"  
    });  
  
});
```

Java Code Example


```
public String GetProcedure() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcedure/0000274B0AA64BBC8FCA086A6EFDFA44";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);
```

```
return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetProcedure()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetProcedure/0000274B0AA64BBC8FCA086A6EFDFA44";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetProcedure/827028D244B4F4D9117757491D0C4F62
```

Output

WFAutomaticWorkItem object.

JSON Response Body Example

```
{  
  "GetProcedureResult":  
  {  
    "ActivityInstID": "6909C1D0B5D44F10AE1EDB9393A6DA21",  
    "ApplName": "MyApplication",  
    "CompletedDate": "\/Date(1380915210920+0000)\/",  
    "CreatedDate": "\/Date(1380915200837+0000)\/",  
    "DueDate": "\/Date(1380915780000+0000)\/",  
    "DueHandled": false,  
  }  
}
```

```
"Pending": false,
"ProcInstID": "E94493C9E919466898344A056CB7619E",
"ProcedureInfo": "#AgilePart:XmlOperationsAP, Version=1.0.0.0,
                  Culture=neutral,

PublicKeyToken=d9ba5adf10cbd939:XmlOperationsAP.XmlOperations:XmlOperationsMetho
d",
"Session": 1,
"Status": "Completed",
"Synchronous": true,
"WorkItemID": "0008FD6D6F354EB39281C1EE95E76CCC"
}
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Query Automatic Work Item (Task)

API Type

REST

HTTP Method

POST

Description

Retrieves a list of [system activities](#) (automatic work items) that match a specified query expression.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryProcedureList

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryProcedureList

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
expr	<p><u>Description:</u></p> <p>Specifies the where clause of a SQL query expression.</p> <p><u>Type</u></p> <p>WFQueryExprHelper</p> <p><u>Allowed Values:</u></p> <p>A valid WFQueryExpr object.</p>
ColumnName	<p><u>Description:</u></p> <p>Gets and sets the associated database column name.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid database column name.</p>
Operator	<p><u>Description:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>
WhereClause	<p><u>Description:</u></p> <p>Sets the conditions against a query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid SQL WHERE clause.</p>
IsValue	<p><u>Description:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p>

Name	Description
	<ul style="list-style-type: none">• True - It compares a value or column of the table.• False - It does not compare a value or column of the table.

JavaScript Code Example

```
$("#btnQueryProcedureList").click(function () {  
  
    var JSONObject = {  
        ColumnName: "SYNCHRONOUS", Operator: "EQ", WhereClause: "No", IsValue: true  
    };  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String QueryProcedureList() {  
  
    String URI =  
    "https://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("ColumnName", "SYNCHRONOUS");  
    postData.put("Operator", "EQ");  
    postData.put("WhereClause", "No");  
    postData.put("IsValue", true);  
  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

C# Code Example


```
public string QueryProcedureList()
{
    string URI =
    "https://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList";

    string jsonRequestData="{
        \"ColumnName\": \"\" + \"SYNCHRONOUS\" + \"\",
        \"Operator\": \"\" + \"EQ\" + \"\",
        \"WhereClause\": \"\" + \"No\" + \"\",
        \"IsValue\": \"\" + \"true\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\": \"SYNCHRONOUS\",
              \"Operator\": \"EQ\",
              \"WhereClause\": \"yes\",
              \"IsValue\": \"true\"}

https://mydomain:9011/AgilePointServer/Workflow/QueryProcedureList
```

Output

An array of automatic work items.

JSON Response Body Example

```
[{
  "ActivityInstID": "F002ECAF07764DE5B0ADE53D4FB7C2F4",
  "ApplName": "MyApplication",
  "CompletedDate": "\/Date(928149600000+0000)\/",
  "CreatedDate": "\/Date(1390771702547+0000)\/",
  "DueDate": "\/Date(1390771732547+0000)\/",
  "DueHandled": false,
  "Pending": false,
  "ProcInstID": "0E05B456F489468D90414A7E9AF8CDF3",
  "ProcedureInfo": "#AgilePart:Ascentn.AgilePart.Process,
                    Version=1.0.0.0, Culture=neutral,
                    PublicKeyToken=2973ddf2dfd2d294:Ascentn.Workflow.Extension.ProcessManagementAgileP
                    art:Delay",
  "Session": 32,
  "Status": "Cancelled",
  "Synchronous": false,
  "WorkItemID": "0078B6ECE50A47B3A3907341DF8F8B5E"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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User Delegation

This section describes service calls related to user delegation processes.

Activate Delegation

API Type

REST

HTTP Method

POST

Description

Activates a [delegation](#) instance using a unique [delegation ID](#).

Good to Know

- Only delegations that are in Created status can be activated, and the status changes to Active.
- Once the duration of the delegation is complete, [AgilePoint Server](#) changes the status of the delegation to Complete without further intervention.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/ActivateDelegation/[delegationID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/ActivateDelegation/[delegationID]`

Request Parameters

Name	Description
delegationID	<u>Description:</u> The unique ID of a delegation object.

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid delegation ID.</p>

JavaScript Code Example

```

$("#btnActivateDelegation").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            ActivateDelegation/CFF4B6D3DBF546A2B0423AD413A94420",
        dataType: "text"
    });
});

```

Java Code Example

```

public String ActivateDelegation() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        ActivateDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}

```

C# Code Example

```

public string ActivateDelegation()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
        ActivateDelegation/CFF4B6D3DBF546A2B0423AD413A94420";
}

```

```
HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, "");
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
-X POST
-d '{"DELEGATIONID":{"827228D244B4F4D9117776A4863B28EA}}'
https://mydomain:9011/AgilePointServer/Admin/
ActivateDelegation/827228D244B4F4D9117776A4863B28EA
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Add New Delegation

API Type

REST

HTTP Method

POST

Description

Creates a rule for delegating one user's tasks to another user.

Good to Know

- After a [delegation](#) is added, its status is set to Created.
- After it is created, you must call the `ActivateDelegation` method for the delegation to take effect.
- This method uses the `WFDelegation` class. For more information, see the [AgilePoint Class Reference](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/AddDelegation`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/AddDelegation`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
FromUser	<p><u>Description:</u> Specifies a user from whom to delegate tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Description:</u> Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
StartDate	<p><u>Description:</u> The start date of delegation.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid DateTime value.
EndDate	<p><u>Description:</u> Specifies the completion date of delegation.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
Description	<p><u>Description:</u> A description of a delegation.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>

JavaScript Code Example

```

$("#btnAddDelegation").click(function () {

    var JSONObject = {
        FromUser: "mydomain\\brian.lucas",
        ToUser: "mydomain\\lilly.allen",
        StartDate: '\\Date(' + new Date().getTime() + '-0000)\'',
        EndDate: '\\Date(' + new Date().getTime() + '-0000)\'',
        Description: "Rest Test", Status: "Created"
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddDelegation",
        data: JSON.stringify(JSONObject)
    });
});

```

```
});
```

Java Code Example

```
public String AddDelegation() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddDelegation";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("FromUser", "mydomain\\liy.allen");
    postData.put("ToUser", "mydomain\\bob.hope");
    postData.put("StartDate", "/"Date("
        + Calendar.getInstance().getTimeInMillis() + "+0000)/");
    postData.put("EndDate", "/"Date("
        + Calendar.getInstance().getTimeInMillis() + "+0000)/");
    postData.put("Description", "Vacation");
    postData.put("Status", "Created");

    return ops.POSTMethod(URI, postData.toString());
} catch (JSONException e1) {
    e1.printStackTrace();
    return "";
}
```

C# Code Example

```
public string AddDelegation()
{
    string gh=@"\/Date(928149600000+0000)\\/";
    string jsonRequestData = "{
        \"FromUser\": \"\" + \"mydomain\\liy.allen\" + \"\",
        \"ToUser\": \"\" + \"mydomain\\bob.hope\" + \"\",
        \"StartDate\": \"\" + gh + \"\",
        \"EndDate\": \"\" + gh + \"\",
        \"Description\": \"\" + \"My sample delegation\" + \"\",
        \"Status\": \"\" + \"Created\" + \"\"}";

    string URI = "https://mydomain:9011/AgilePointServer/Admin/AddDelegation";
```

```
HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"Description":"My sample delegation",
              "EndDate":"/Date(1499884200000+0000)/",
              "FromUser":"mydomain\brian.lucas",
              "StartDate":"/Date(1499797800000+0000)/",
              "Status":"Active",
              "ToUser":"mydomain\lilly.allen"}
      https://mydomain:9011/AgilePointServer/Admin/AddDelegation
```

Output

WFDelegation object.

JSON Response Body Example

```
{
  "CancelledBy": null,
  "CancelledDate": "\/Date(928149600000+0000)/",
  "CreatedBy": "mydomain\brian.lucas",
  "CreatedDate": "\/Date(1394154711507+0000)/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Rest Test",
  "EndDate": "\/Date(28799000+0000)/",
  "FromUser": "mydomain\brian.lucas",
  "LastUpdatedBy": null,
  "LastUpdatedDate": "\/Date(928149600000+0000)/",
  "ProcDefIDS": "",
  "RecWeekdaysString": "",
  "StartDate": "\/Date(-57600000+0000)/",
```

```
"Status": "Created",  
"ToUser": "mydomain\\lilly.allen"  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Cancel Delegation

API Type

REST

HTTP Method

POST

Description

Deactivates a [delegation](#) instance using a [delegation ID](#).

Good to Know

- On successful execution, the delegation status is set to Cancelled.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/CancelDelegation/[delegationID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/CancelDelegation/[delegationID]

Request Parameters

Name	Description
delegationID	<p><u>Description:</u></p> <p>The unique ID of a delegation object.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid delegation ID.</p>

JavaScript Code Example

```
$("#btnCancelDelegation").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            CancelDelegation/CFF4B6D3DBF546A2B0423AD413A94420",
        dataType: "text"
    });
});
```

Java Code Example

```
public String CancelDelegation() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        CancelDelegation/CFF4B6D3DBF546A2B0423AD413A94420";
```

```
HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

JSONObject postData = new JSONObject();

return ops.POSTMethod(URI, postData.toString());
}
```


C# Code Example

```
public string CancelDelegation()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
        CancelDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
-X POST
-d '{"DELEGATIONID":{"827228D244B4F4D9117776A4863B28EA}}'
https://mydomain:9011/AgilePointServer/Admin/
CancelDelegation/827228D244B4F4D9117776A4863B28EA
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Delegation

API Type

REST

HTTP Method

GET

Description

Retrieves a [delegation](#) instance using the [delegation ID](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetDelegation/[delegationID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetDelegation/[delegationID]`

Request Parameters

Name	Description
delegationID	<p><u>Description:</u></p> <p>The unique ID of a delegation object.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid delegation ID.</p>

JavaScript Code Example

```
$("#btnGetDelegation").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetDelegation/E83A0F99EDB74FF7A048C01F1C5A32A7",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetDelegation() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                GetDelegation/E83A0F99EDB74FF7A048C01F1C5A32A7";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetDelegation()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
                GetDelegation/E83A0F99EDB74FF7A048C01F1C5A32A7";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/
      GetDelegation/827128D244B4F4D9117766B9FF2BA912
```

Output

WFDelegation object that specifies the user whose tasks will be delegated and the designated user to whom to delegate tasks.

JSON Response Body Example

```
{
  "CancelledBy": null,
  "CancelledDate": "\/Date(928149600000+0000)\/",
  "CreatedBy": "mydomain\\brian.lucas",
  "CreatedDate": "\/Date(1394154711507+0000)\/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Rest Test",
  "EndDate": "\/Date(28799000+0000)\/",
  "FromUser": "mydomain\\brian.lucas",
  "LastUpdatedBy": null,
  "LastUpdatedDate": "\/Date(928149600000+0000)\/",
  "ProcDefIDS": "",
}
```

```
"RecWeekdaysString": "",
"StartDate": "\/Date(-57600000+0000)\/",
"Status": "Created",
"ToUser": "mydomain\\lilly.allen"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Delegations

API Type

REST

HTTP Method

POST

Description

Retrieves a list of [delegation](#) objects that match the specified parameters. You can leave the parameters null to indicate any.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetDelegations

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetDelegations

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
FromUser	<p><u>Description:</u> Specifies a user from whom to delegate tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Description:</u> Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
Status	<p><u>Description:</u></p>

Name	Description
	<p>The status of the associated item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid status.</p>

JavaScript Code Example

```
$("#btnGetDelegations").click(function () {  
    var JSONObject = {  
        FromUser: "mydomain\\brian.lucas",  
        ToUser: "mydomain\\lilly.allen",  
        Status: "Active"  
    };  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDelegations",  
        data: JSON.stringify(JSONObject)  
    });  
});
```

Java Code Example

```
public String GetDelegations() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDelegations";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("FromUser", "mydomain\\liy.allen");  
    postData.put("ToUser", "mydomain\\bob.hope");  
    postData.put("Status", "Created");  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

```
return "";  
}
```

C# Code Example

```
public string GetDelegations()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetDelegations";  
  
    string jsonRequestData = "{  
        \"FromUser\": \"\" + \"MYDOMAIN\\administrator\" + \"\",  
        \"ToUser\": \"\" + \"MYDOMAIN\\peter.parker\" + \"\",  
        \"Status\": \"\" + \"Active\" + \"\"}";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URI, jsonRequestData);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data {"FromUser\": \"mydomain\\brian.lucas\",  
             \"Status\": \"Cancelled\",  
             \"ToUser\": \"mydomain\\brian.lucas\"}  
  
https://mydomain:9011/AgilePointServer/Admin/GetDelegations
```

Output

An array of WFDelegation objects.

JSON Response Body Example

```
[{
  "CancelledBy": "",
  "CancelledDate": "\/Date(928149600000+0000)\/",
  "CreatedBy": "mydomain\\brian.lucas",
  "CreatedDate": "\/Date(1394154711507+0000)\/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Rest Test",
  "EndDate": "\/Date(28799000+0000)\/",
  "FromUser": "mydomain\\brian.lucas",
  "LastUpdatedBy": "mydomain\\administrator",
  "LastUpdatedDate": "\/Date(1394154884247+0000)\/",
  "ProcDefIDS": "",
  "RecWeekdaysString": "",
  "StartDate": "\/Date(-57600000+0000)\/",
  "Status": "Active",
  "ToUser": "mydomain\\lilly.allen"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Remove Delegation

API Type

REST

HTTP Method

POST

Description

Permanently removes a [delegation](#) instance using a unique [delegation ID](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/RemoveDelegation/[delegationID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/RemoveDelegation/[delegationID]`

Request Parameters

Name	Description
delegationID	<p><u>Description:</u></p> <p>The unique ID of a delegation object.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid delegation ID.</p>

JavaScript Code Example

```
$("#btnRemoveDelegation").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            RemoveDelegation/CFF4B6D3DBF546A2B0423AD413A94420",
        dataType: "text"
    });
});
```

Java Code Example

```
public String RemoveDelegation() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/
        RemoveDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    return ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string RemoveDelegation()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
        RemoveDelegation/CFF4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"DELEGATION_ID":
            \"827128D244B4F4D9117766B9FF2BA912\"}
      https://mydomain:9011/AgilePointServer/Admin/
      RemoveDelegation/827128D244B4F4D9117766B9FF2BA912
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Update Delegation

API Type

REST

HTTP Method

POST

Description

Updates a [delegation](#) object that has already been created.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/UpdateDelegation

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/UpdateDelegation

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
DelegationID	<p><u>Description:</u></p> <p>The unique ID of a delegation object.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u> A valid delegation ID.</p>
FromUser	<p><u>Description:</u> Specifies a user from whom to delegate tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Description:</u> Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
StartDate	<p><u>Description:</u> The start date of delegation.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
EndDate	<p><u>Description:</u> Specifies the completion date of delegation.</p> <p><u>Type</u></p>

Name	Description
	<p>DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
Description	<p><u>Description:</u> A description of a delegation.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Status	<p><u>Description:</u> The status of the delegation.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid status.</p>

JavaScript Code Example

```

$("#btnUpdateDelegation").click(function () {

    var JSONObject = {
        DelegationID: "77F9A9946CF74545B4C8A27956CDA036",
        FromUser: "mydomain\\brian.lucas",
        ToUser: "mydomain\\lilly.allen",
        StartDate: '\\Date(' + new Date().getTime() + '-0000)\\',
        EndDate: '\\Date(' + new Date().getTime() + '-0000)\\',
        Description: "Test",
        Status: "Created"
    };

```

```
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Admin/UpdateDelegation",
  data: JSON.stringify(JSONObject)
});
});
```

Java Code Example

```
public String UpdateDelegation() {

  String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateDelegation";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();

  postData.put("DelegationID", "5272465BDB7944B28A0E1BDABA95559B");
  postData.put("FromUser", "mydomain\\liy.allen");
  postData.put("ToUser", "mydomain\\bob.hope");
  postData.put("StartDate", "/"Date("
    + Calendar.getInstance().getTimeInMillis() + "+0000)/");
  postData.put("EndDate", "/"Date("
    + Calendar.getInstance().getTimeInMillis() + "+0000)/");
  postData.put("Description", "Rest Test");
  postData.put("Status", "Created");

  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

C# Code Example

```
public string UpdateDelegation()
{
  string gh = @"\/Date(928149600000+0000)\\/";
  string jsonRequestData = "{
  \FromUser\":" + "mydomain\\liy.allen" + "\",
  \ToUser\":" + "mydomain\\bob.hope" + "\",
  \StartDate\":" + "\\/Date(928149600000+0000)\\/"+ "\",
  \EndDate\":" + "\\/Date(928149600000+0000)\\/" + "\",
  \Description\":" + "My delegation update" + "\",
  \Status\":" + "Created" + "\"}";
```

```
string URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateDelegation";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data
{"DelegationID": "\827128D244B4F4D9117766FCA356D505",
  "FromUser": "\mydomain\brian.lucas",
  "ToUser": "\mydomain\Bob",
  "StartDate": "\/Date(1499797800000+0000)/",
  "EndDate": "\/Date(1499884200000+0000)/",
  "Description": "\My delegation update",
  "Status": "\Active"}

https://mydomain:9011/AgilePointServer/Admin/UpdateDelegation
```

Output

Returns an updated instance of WFDelegation.

JSON Response Body Example

```
{
  "CancelledBy": null,
  "CancelledDate": "\/Date(928149600000+0000)/",
  "CreatedBy": null,
  "CreatedDate": "\/Date(1394154711507+0000)/",
  "DelegationID": "77F9A9946CF74545B4C8A27956CDA036",
  "Description": "Test",
  "EndDate": "\/Date(28799000+0000)/",
```

```
"FromUser": "mydomain\\brian.lucas",
"LastUpdatedBy": "mydomain\\brian.lucas",
"LastUpdatedDate": "\\Date(1394155684428+0000)\\",
"ProcDefIDS": "",
"RecWeekdaysString": "",
"StartDate": "\\Date(-57600000+0000)\\",
"Status": "Created",
"ToUser": "mydomain\\lilly.allen"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Methods for Email Templates

This section describes service calls related to email templates.

Add Global Email Template

API Type

REST

HTTP Method

POST

Description

Inserts a [global email template](#) to the database.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/AddEmailTemplate

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/AddEmailTemplate

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
TemplateOwnerID	<p><u>Description:</u></p> <p>The ID for a process template owner.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template owner ID.</p>
MailTemplateXML	<p><u>Description:</u></p> <p>The XML for an email template.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>Valid XML that represents an email template.</p>

JavaScript Code Example

```
$("#btnAddEMailTemplate").click(function () {
    var JSONObject = {
        TemplateOwnerID: null,
        MailTemplateXML: "< email template xml data>"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddEMailTemplate",
        data: JSON.stringify(JSONObject)
    });
});
```

Java Code Example

```
public String AddEMailTemplate() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddEMailTemplate";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("TemplateOwnerID", "BBB82AAE37054A1AB469FB480028A7A3");
    postData.put("MailTemplateXML", "<email template xml data>");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string AddEmailTemplate()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/AddEmailTemplate";

    string jsonData = "{
        \"TemplateOwnerID\": \"\" + null + "\",
        \"MailTemplateXML\": \"\" + '<process template XML string>' + "\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonData);
}
```

Output

The ID of the new email template.

JSON Response Body Example

```
"B460E2AF110E42ED97CE13CBFF42AB7B"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Get Global E-mail Templates

API Type

REST

HTTP Method

GET

Description

Retrieves all the [global email templates](#) in XML format.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetAllEmailTemplates

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetAllEmailTemplates

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetAllEmailTemplates").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetAllEmailTemplates",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetAllEmailTemplates() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetMailDeliverables/AAA82AAE37054A1AB469FB480028A7A3";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetAllEmailTemplates()  
{  
    string URI =  
    "https://mydomain:9011/AgilePointServer/Admin/GetAllEmailTemplates";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
https://mydomain:9011/AgilePointServer/Admin/GetAllEmailTemplates
```

Output

Returns an email templates.

JSON Response Body Example

```
{
  "GetAllEmailTemplatesResult": [{
    "Key": "7B110FA1958843E9BE0582A3CDE52513",
    "Value": "<?xml version='1.0' encoding='utf-8'?>
      <MailTemplates name='Test'
        format='Default'
        leftToRight='true'
        mailPriority='High'>
        <From>
          <![CDATA[brian.lucas@mycompany.com]]>
        </From>
        <To>
          <![CDATA[lilly.allen@mycompany.com]]>
        </To>
        <Subject>
          <![CDATA[testSubject]]>
        </Subject>
        <Content>
          <![CDATA[testBody]]>
        </Content>
        <Attachments>
          <![CDATA[]]>
        </Attachments>
      </MailTemplates>"
  ]
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Global Email Template by Name

API Type

REST

HTTP Method

GET

Description

Retrieves a [global email template](#) from the server using a specified mail template ID.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetEMailTemplate/[mailTemplateID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetEMailTemplate/[mailTemplateID]

Request Parameters

Name	Description
mailTemplateID	<p><u>Description:</u></p> <p>The unique ID for an email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid mail template ID.</p>

JavaScript Code Example

```
$("#btnGetEmailTemplate").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetEmailTemplate/B460E2AF110E42ED97CE13CBFF42AB7B" ,  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetEmailTemplate() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                GetEmailTemplate/B460E2AF110E42ED97CE13CBFF42AB7B";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetEmailTemplate()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/
                GetEmailTemplate/B460E2AF110E42ED97CE13CBFF42AB7B";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/
      GetEmailTemplate/827128D244B4F4D9117760CA3A2ECA05
```

Output

Returns an email templates.

JSON Response Body Example

```
{
  "GetEmailTemplateResult": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <MailTemplates name=\"TestNew\"
      format=\"Default\"
      leftToRight=\"true\"
      mailPriority=\"High\">
      <From>
        <![CDATA[brian.lucas@mycompany.com]]>
      <\/From>
      <To>
        <![CDATA[lilly.allen@mycompany.com]]>
      <\/To>
      <Subject>
```

```
        <![CDATA[testSubject]]>
    </Subject>
    <Content>
        <![CDATA[testBody]]>
    </Content>
    <Attachments>
        <![CDATA[ ]]>
    </Attachments>
</MailTemplates>"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Remove Global Email Template

API Type

REST

HTTP Method

POST

Description

Permanently removes a [global email template](#) from the AgilePoint database.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/RemoveEMailTemplate/[mailTemplateID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/RemoveEMailTemplate/[mailTemplateID]

Request Parameters

Name	Description
mailTemplateID	<p><u>Description:</u></p> <p>The unique ID for an email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid mail template ID.</p>

JavaScript Code Example

```
$("#btnRemoveEMailTemplate").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveEMailTemplate/C769BA234EFD421B8B95A525B972E511"  
    });  
});
```

Java Code Example


```
public String RemoveEMailTemplate() {
```

```
String URI = "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveEMailTemplate/C769BA234EFD421B8B95A525B972E511";  
  
HTTPOperations ops = new HTTPOperations(domain, userName,  
            password, appID, locale);  
  
JSONObject postData = new JSONObject();  
  
return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string RemoveEMailTemplate()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/  
                RemoveEMailTemplate/C769BA234EFD421B8B95A525B972E511";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
            password, appID, locale);  
  
    return ops.POSTMethod(URI, "");  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data {"MAILTEMPLATEID":  
             "\"827128D244B4F4D9117760CA4641ED53\""}  
      https://mydomain:9011/AgilePointServer/Admin/  
      RemoveEMailTemplate/827128D244B4F4D9117760CA4641ED53
```

Output

A Boolean value: True or False.

JSON Response Body Example

```
True
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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Update Global Email Template

API Type

REST

HTTP Method

POST

Description

Updates a [global email template](#) to the database.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/UpdateEMailTemplate

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/UpdateEMailTemplate

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
MailTemplateID	<p><u>Description:</u> The unique ID for an email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid mail template ID.</p>
MailTemplateXML	<p><u>Description:</u> The XML for an email template.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> Valid XML that represents an email template.</p>

Name	Description
TemplateModifiedUserName	<p><u>Description:</u></p> <p>Specifies qualified username for the modified email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

JavaScript Code Example

```

$("#btnUpdateEmailTemplate").click(function () {
    var JSONObject = {
        MailTemplateID: "C769BA234EFD421B8B95A525B972E511",
        TemplateModifiedUserName: "mydomain\\admin",
        MailTemplateXML: "<email template XML data>"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateEmailTemplate",
        data: JSON.stringify(JSONObject)
    });
});

```

Java Code Example

```

public String UpdateEmailTemplate() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateEmailTemplate";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("MailTemplateID", "XYZ82AAE37054A1AB469FB480028A7A3");
    postData.put("TemplateModifiedUserName", "mydomain\\admin");
    postData.put("MailTemplateXML", "<email template xml data>");
}

```

```
        return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string UpdateEMailTemplate()
{
    string URI =
    "https://mydomain:9011/AgilePointServer/Admin/UpdateEMailTemplate";

    string jsonRequestData = "{
        \"TemplateOwnerID\": \"\" + null + "\",
        \"MailTemplateXML\": \"\" + '<process template XML string>' + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

Output

A Boolean value: True or False.

JSON Response Body Example

```
True
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Methods for Email and Notifications

This section describes service calls related to email and notifications.

Cancel Mail Deliverable

API Type

REST

HTTP Method

POST

Description

Cancels the failed mail deliverable record based on a given message identifier. Note that canceling the failed mail deliverable record prevents it from being recycled or present on a given interval by the AgilePoint engine.

Good to Know

- This API call sets an e-mail [status](#) to [Cancelled](#).
- To call this method, the API account user must have the [access right](#), **Resend and Cancel an Email Notification**.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/CancelMailDeliverable/[mailID]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/CancelMailDeliverable/[mailID]

Request Parameters

Name	Description
mailID	<p><u>Description:</u></p> <p>Specifies the unique ID for an email notification.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email notification ID.</p>

JavaScript Code Example

```
$("#btnCancelMailDeliverable").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            CancelMailDeliverable/31C364347D364D0AA2EB2853340CA25D",  
        dataType: "text"  
    });  
});
```

Java Code Example

```
public String CancelMailDeliverable() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
        CancelMailDeliverable/AAA82AAE37054A1AB469FB480028A7A3";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);
```

```
JSONObject postData = new JSONObject();

return ops.POSTMethod(URI, postData.toString());
}
```

C# Code Example

```
public string CancelMailDeliverable()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                CancelMailDeliverable/AAA82AAE37054A1AB469FB480028A7A3";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      -X POST -d
      '{"MAILID":{"827128D244B4F4D9117760CA3A2ECA05}}'
      https://mydomain:9011/AgilePointServer/Workflow/
      CancelMailDeliverable/827128D244B4F4D9117760CA3A2ECA05
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Expecting Send Mail Deliverable

API Type

REST

HTTP Method

GET

Description

Retrieves all the failed and scheduled e-mail [notifications](#) to resend.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetExpectingSendMailDeliverable`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/GetExpectingSendMailDeliverable`

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetExpectingSendMailDeliverable").click(function () {  
  
    $.ajax({  
        url:  
        "https://mydomain:9011/AgilePointServer/Workflow/GetExpectingSendMailDeliverable",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetExpectingSendMailDeliverable() {  
  
    String URI =  
    "https://mydomain:9011/AgilePointServer/Workflow/GetExpectingSendMailDeliverable";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetExpectingSendMailDeliverable()  
{  
    string URL =  
    "https://mydomain:9011/AgilePointServer/Workflow/GetExpectingSendMailDeliverable";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```

```
return ops.GetData(URL);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetExpectingSendMailDeliverable
```

Output

Array of WFMailDeliverable objects.

JSON Response Body Example

```
{
  "GetExpectingSendMailDeliverableResult": [{
    "ActivityInstID": "00000000000000000000000000000000",
    "CreatedDate": "\/Date(1393646742890+0000)\/",
    "DeliveryTime": 1,
    "ID": "02ECFD464F9A4A1AB1D468A889FE30C1",
    "Mail": {
      "Attachments": "",
      "BCC": null,
      "CC": null,
      "Content": "<html>...</html>",
      "Format": 2,
      "From": "brian.lucas@mycompany.com",
      "LeftToRight": true,
      "MailPriority": 0,
      "Name": "0A81E99B4E694897A9322A89CCF642CE",
      "Subject": "Subject",
      "To": "lilly.allen@mycompany.com"
    },
    "NextSendingDate": "\/Date(1393646863983+0000)\/",
    "ProcInstID": "00000000000000000000000000000000",
    "Reason": "",
    "Session": 0,
  }
]
```

```
"Status": "Failure"  
  }  
}  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Mail Deliverables

API Type

REST

HTTP Method

GET

Description

Retrieves all the mail deliverables for a process instance.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetMailDeliverables/[processInstanceID]`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetMailDeliverables/[processInstanceID]

Request Parameters

Name	Description
processInstanceID	<p><u>Description:</u></p> <p>Specifies the unique ID of a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance ID</p>

JavaScript Code Example

```
$("#btnGetMailDeliverables").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetMailDeliverables/D91BE666F2044DDEAF5BD202FBBE2467",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetMailDeliverables() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetMailDeliverables/D91BE666F2044DDEAF5BD202FBBE2467";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);
```

```
return ops.GETMethod(URI);
}
```


C# Code Example

```
public string GetMailDeliverables()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                GetMailDeliverables/D91BE666F2044DDEAF5BD202FBBE2467";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URL);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetMailDeliverables/827028D244B4F4D9117757491D0C4F53
```

Output

Array of WFMailDeliverable objects.

JSON Response Body Example

```
{
  "GetMailDeliverablesResult": [{
    "ActivityInstID": "00000000000000000000000000000000",
    "CreateDate": "\/Date(1393646742890+0000)\/",
    "DeliveryTime": 1,
    "ID": "02ECFD464F9A4A1AB1D468A889FE30C1",
    "Mail": {
      "Attachments": "",
      "BCC": null,
```

```
"CC": null,
"Content": "<html>...</html>",
"Format": 2,
"From": "brian.lucas@mycompany.com",
"LeftToRight": true,
"MailPriority": 0,
"Name": "0A81E99B4E694897A9322A89CCF642CE",
"Subject": "Subject",
"To": "lilly.allen@mycompany.com"
},
"NextSendingDate": "\\Date(1393646863983+0000)\\",
"ProcInstID": "00000000000000000000000000000000",
"Reason": "",
"Session": 0,
"Status": "Failure"
}1
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Send Mail

API Type

REST

HTTP Method

POST

Description

Sends an email through [AgilePoint Server](#).

Good to Know

- If the variables WorkItemID and ProcesInstanceID are not provided, [process attributes](#) (custom attributes) are not resolved.

URL Format (OnPremises, Private Cloud)

[https://\[domain\]:\[port\]/AgilePointServer/Workflow/SendMail](https://[domain]:[port]/AgilePointServer/Workflow/SendMail)

URL Format (OnDemand)

[https://\[domain\]:\[port\]/AgilePointService/Workflow/SendMail](https://[domain]:[port]/AgilePointService/Workflow/SendMail)

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Attachments	<u>Description:</u> File attachments included with the email.

Name	Description
	<p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid path and file name on the AgilePoint Server. This parameter must use a file path from the file system (for example, C:\file.txt) on the machine where AgilePoint Server is installed. If there is no attachment, you can pass null or String.Empty.</p>
Body	<p><u>Description:</u> Specifies the body portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> Free text.</p>
CC	<p><u>Description:</u> Specifies the CC portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.</p>
From	<p><u>Description:</u> Specifies the From portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Name	Description
Subject	<p>A string that includes one or more email addresses in SMTP format.</p> <p><u>Description:</u> The subject of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One line of text (a string).</p> <p>Accepted:</p> <ul style="list-style-type: none"> • Letters • Numbers • Spaces
To	<p><u>Description:</u> Specifies the To portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.</p>
MailPriority	<p><u>Description:</u> The email's priority.</p> <p><u>Type</u> enum</p> <p><u>Allowed Values:</u></p>

Name	Description
	<ul style="list-style-type: none">• high• normal• low

These properties are based on the class [SendMailHelper](#)

JavaScript Code Example

```
$("#btnSendMail").click(function () {  
  
    var JSONObject = { To: "susan.miller@mydomain.com",  
        CC: null,  
        From: "susan.miller@mydomain.com",  
        Subject: "REST Test App",  
        Body: "REST Test App Body",  
        Attachments: null,  
        MailPriority: "low"  
    };  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/SendMail",  
        dataType: "text",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String SendMail() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/SendMail";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("To", "susan.miller@mydomain.com");  
    postData.put("CC", "");  
  
}
```

```

    postData.put("From", "susan.miller@mydomain.com");
    postData.put("Subject", "REST Test App");
    postData.put("Body", "Body of mail");
    postData.put("Attachments", "");
    postData.put("MailPriority", "low");

    return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string SendMail()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/SendMail";

    string jsonRequestdata = "{
        \"To\": \"\" + \"milindg90@ymail.com\" + \"\",
        \"CC\": \"\" + null + \"\",
        \"From\": \"\" + \"milind.gunjan@agilepoint.com\" + \"\",
        \"Subject\": \"\" + \"milindg90\" + \"\",
        \"Body\": \"\" + \"com\" + \"\",
        \"Attachments\": \"\" + null + \"\",
        \"MailPriority\": \"\" + low + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, "");
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"To\": \"susan.miller@mydomain.com\",
        \"CC\": \"null\",
        \"From\": \"susan.miller@mydomain.com\",

```

```
\ "Subject\":\ "REST Test App\",  
\ "Body\":\ "REST Test App Body\"}  
\ "MailPriority\":\ "low\"}  
https://mydomain:9011/AgilePointServer/Workflow/SendMail
```

Output

None.

JSON Response Body Example

```
{  
  "Attachments": "String content",  
  "Body": "String content",  
  "CC": "String content",  
  "From": "String content",  
  "Subject": "String content",  
  "To": "String content",  
  "MailPriority": "String content"  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Resend Mail Deliverable

API Type

REST

HTTP Method

POST

Description

Resends the mail deliverable with a specified mail ID.

Good to Know

- If specified mail ID is already in the e-mail queue to be sent, making this API call does not send another e-mail.
- This API call must be made once for a particular mail ID and wait until the e-mail is sent.
- To call this method, the API account user must have the [access right, Resend and Cancel an Email Notification](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/ResendMailDeliverable/[mailID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/ResendMailDeliverable/[mailID]

Request Parameters

Name	Description
mailID	<p><u>Description:</u></p> <p>Specifies the unique ID for an email notification.</p> <p><u>Type</u></p>

Name	Description
	<p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email notification ID.</p>

JavaScript Code Example

```
$("#btnResendMailDeliverable").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            ResendMailDeliverable/31C364347D364D0AA2EB2853340CA25D",  
        dataType: "text"  
    });  
  
});
```

Java Code Example

```
public String ResendMailDeliverable() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                ResendMailDeliverable/31C364347D364D0AA2EB2853340CA25D";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string ResendMailDeliverable()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                ResendMailDeliverable/31C364347D364D0AA2EB2853340CA25D";
```

```
HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URI, "");
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
    --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
    --request POST
    --data {"MAILID\":"827128D244B4F4D9117760CA3A2ECA05\"}
    https://mydomain:9011/AgilePointServer/Workflow/
    ResendMailDeliverable/827128D244B4F4D9117760CA3A2ECA05
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Methods for Custom Attributes

This section describes service calls related to custom attributes.

Delete Custom Attributes

API Type

REST

HTTP Method

POST

Description

Deletes multiple [process attributes](#) (custom attributes) using a custom attribute ID.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/DeleteCustomAttrs/[customID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/DeleteCustomAttrs/[customID]`

Request Parameters

Name	Description
customID	<u>Description:</u>

Name	Description
	<p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

JavaScript Code Example

```
$("#btnDeleteCustomAttrs").click(function () {
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            DeleteCustomAttrs/CFE4B6D3DBF546A2B0423AD413A94420",
        dataType: "text"
    });
});
```

Java Code Example

```
public String DeleteCustomAttrs() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        DeleteCustomAttrs/CFE4B6D3DBF546A2B0423AD413A94420";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    return ops.POSTMethod(URI, postData.toString());

}
```

C# Code Example

```
public string DeleteCustomAttrs()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
```

```
        DeleteCustomAttrs/CFF4B6D3DBF546A2B0423AD413A94420" ;

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
-X POST
-d '{"CUSTOMID":{"827028D244B4F4D9117757491D0C4F54}}'
https://mydomain:9011/AgilePointServer/Workflow/
DeleteCustomAttrs/827028D244B4F4D9117757491D0C4F54
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Custom Attribute by ID

API Type

REST

HTTP Method

POST

Description

Retrieves a [process attribute](#) (custom attribute) with the specified process attribute ID and process attribute name.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttr/[customID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttr/[customID]

Request Parameters

Name	Description
customID	<p><u>Description:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p>

Name	Description
	<p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

Request Body Properties

Name	Description
attrName	<p><u>Description:</u></p> <p>The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u></p> <p><code>string</code></p> <p><u>Allowed Values:</u></p> <p>A valid name.</p>

JavaScript Code Example

```

$("#btnGetCustomAttr").click(function () {

    var JSONObject = {
        attrName: "/pd:myFields/pd:orgamount";
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            GetCustomAttr/AAA82AAE37054A1AB469FB480028A7A3",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```
public String GetCustomAttr() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetCustomAttr/AAA82AAE37054A1AB469FB480028A7A3";

    HTTPOperations ops = new HTTPOperations(domain, userName,
                password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("attrName", "/pd:myFields/pd:orgamount");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example


```
public string GetCustomAttr()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                GetCustomAttr/AAA82AAE37054A1AB469FB480028A7A3";

    string jsonRequestdata = "{
        \"attrName\": \"\" + "/pd:myFields/pd:file" + "\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
```

```
--data {"CUSTOMID\":"827028D244B4F4D9117757492322F5E6\"}
https://mydomain:9011/AgilePointServer/Workflow/
GetCustomAttr/827028D244B4F4D9117757492322F5E6
```

Output

Custom attribute value (can be string, integer, float, double, bool, and/or DateTime).

JSON Response Body Example

```
"100.2"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Custom Attributes By ID

API Type

REST

HTTP Method

GET

Description

Gets all the [process attributes](#) (custom attributes) with the specified process attribute ID.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttrsbyID/[customID]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttrsbyID/[customID]

Request Parameters

Name	Description
customID	<p><u>Description:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

JavaScript Code Example

```
$("#btnGetCustomAttrsByID").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetCustomAttrsByID/00084509E95E4A72B51A602DB6EA182C",  
        type: "GET"  
    });  
  
});
```


Java Code Example

```
public String GetCustomAttrsByID() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetCustomAttrsbyID/00084509E95E4A72B51A602DB6EA182C";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetCustomAttrsByID()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetCustomAttrsByID/00084509E95E4A72B51A602DB6EA182C";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                password, appID, locale);  
  
    return ops.GetData(URL);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
      https://mydomain:9011/AgilePointServer/Workflow/  
      GetCustomAttrsByID/827028D244B4F4D9117757492322F5E6
```

Output

XML Serialized object of custom attributes with the specified custom id.

JSON Response Body Example

```
{
  "GetCustomAttrsByIDResult": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <ArrayOfNameValue xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance
    xmlns:xsd=\"http://www.w3.org/2001
    /XMLSchema\">
    <NameValue>
      <Name>Test</Name>
      <Value xsi:type=\"xsd:string\">Global Custom Attr</Value>
    </NameValue>
    <NameValue>
      <Name>URL</Name>
      <Value xsi:type=\"xsd:string\">localhost:8888</Value>
    </NameValue>
  </ArrayOfNameValue>"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Custom Attributes By IDs

API Type

REST

HTTP Method

POST

Description

Gets all [process attributes](#) (custom attributes) of the specified process attribute IDs.

Good to Know

- Values of IDs must be separated by a semicolon (;).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttrsbyIDs

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttrsbyIDs

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
customIDs	<u>Description:</u> Multiple work object IDs specified within a process instance.

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid work object IDs.</p>

JavaScript Code Example

```
$("#btnGetCustomAttrsbyIDs").click(function () {  
  
    var JSONObject = {  
        customIDs : "0080D881497C47C19B32BD45967E8ABA;  
                    0C98EAF88D1F4F6A8E5E3B1C9A25D8D7;  
                    351BC22E020D439AB724123ACB76FCDA"  
    };  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsbyIDs",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example


```
public String GetCustomAttrsbyIDs() {  
  
    String URI =  
    "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsbyIDs";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("customIDs", "AAA82AAE37054A1AB469FB480028A7A3");  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

```
return "";  
}
```

C# Code Example

```
public string GetCustomAttrsbyIDs()  
{  
    string URL =  
        "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsbyIDs";  
  
    string jsonRequestdata = "{  
        \"customIDs\": \"\" + \"0080D881497C47C19B32BD45967E8ABA;  
        0C98EAF88D1F4F6A8E5E3B1C9A25D8D7;  
        351BC22E020D439AB724123ACB76FCDA\" + \"\"}";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URL, jsonRequestdata);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data  
{\"customIDs\": \"827028D244B4F4D9117757492322F5E6\"}  
  
https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsbyIDs
```

Output

Array of [KeyValue](#). Key is customIDs and Value is XML serialized WFCustomAttributes.

JSON Response Body Example

```
[{
  "Key": "0080D881497C47C19B32BD45967E8ABA",
  "Value": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <ArrayOfNameValue xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance
      xmlns:xsd=\"http://www.w3.org/2001
        \/XMLSchema\">

      <NameValue>
        <Name>Test</Name>
        <Value xsi:type=\"xsd:string\">Global Custom Attr</Value>
      </NameValue>
      <NameValue>
        <Name>URL</Name>
        <Value xsi:type=\"xsd:string\">localhost:8888</Value>
      </NameValue>
    </ArrayOfNameValue>"
},
{
  "Key": "0C98EAF88D1F4F6A8E5E3B1C9A25D8D7",
  "Value": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <ArrayOfNameValue xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance
      xmlns:xsd=\"http://www.w3.org/2001
        //XMLSchema\">

      <NameValue>
        <Name>Test</Name>
        <Value xsi:type=\"xsd:string\">Process Attr</Value>
      </NameValue>
      <NameValue>
        <Name>URL</Name>
        <Value xsi:type=\"xsd:string\">localhost:7777</Value>
      </NameValue>
    </ArrayOfNameValue>"
},
{
  "Key": "351BC22E020D439AB724123ACB76FCDA",
  "Value": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
    <ArrayOfNameValue xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance
      xmlns:xsd=\"http://www.w3.org/2001
        //XMLSchema\">

      <NameValue>
        <Name>Test</Name>
        <Value xsi:type=\"xsd:string\">Global Custom Attr</Value>
      </NameValue>
```

```
<NameValue>
  <Name>URL</Name>
  <Value xsi:type=\"xsd:string\">localhost:666</Value>
</NameValue>
</ArrayOfNameValue>\"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Custom Attributes By Names

API Type

REST

HTTP Method

POST

Description

Retrieves a list of [process attributes](#) (custom attributes) using their names or Xpaths.

Good to Know

- Values of IDs and XPathS must be separated by a semicolon (;).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetCustomAttrsByNames

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetCustomAttrsByNames

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
AttrNames	<p><u>Description:</u> A group of process attributes names.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> An array of valid process attribute names.</p>
CustomIDs	<p><u>Description:</u> Multiple work object IDs specified within a process instance.</p> <p><u>Type</u> string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>An array of valid work object IDs.</p>

JavaScript Code Example

```

$("#btnGetCustomAttrsByNames").click(function () {

    var JSONObject = {
        CustomIDs: "AAA82AAE37054A1AB469FB480028A7A3;94A76E58E3704BF8AE09A6900C130556",
        AttrNames:
"/pd:myFields/pd:orgamount;/pd:myFields/pd:objwithSubArray;/pd:myFields/pd:dept"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsByNames",
        data: JSON.stringify(JSONObject)
    });
});

```

Java Code Example

```

public String GetCustomAttrsByNames() {

    String URI =
"https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsByNames";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("CustomIDs",
        "AAA82AAE37054A1AB469FB480028A7A3;94A76E58E3704BF8AE09A6900C130556");
    postData.put(
        "AttrNames",

"/pd:myFields/pd:orgamount;/pd:myFields/pd:objwithSubArray;/pd:myFields/pd:dept");

    return ops.POSTMethod(URI, postData.toString());
}

```

```
return "";  
}
```

C# Code Example

```
public string GetCustomAttrsByNames()  
{  
    string URL =  
    "https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsByNames";  
  
    string jsonRequestdata = "{  
        \"CustomIDs\": \"AAA82AAE37054A1AB469FB480028A7A3;  
            94A76E58E3704BF8AE09A6900C130556\",  
        \"Name\": \"\\pd:myFields\\pd:orgamount;  
            \\pd:myFields\\pd:objwithSubArray;  
            \\pd:myFields\\pd:dept\"";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URL, jsonRequestdata);  
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data  
{\"customIDs\": \"827028D244B4F4D9117757492322F5E6\",  
  \"AttrNames\": \"pd:myFields\"}  
  
https://mydomain:9011/AgilePointServer/Workflow/GetCustomAttrsByNames
```

JSON Response Body Example

```
[{  
  "Key": "AAA82AAE37054A1AB469FB480028A7A3",
```

```

"Value": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <ArrayOfNameValue xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance
    xmlns:xsd=\"http://www.w3.org/2001
      /XMLSchema\">
    <NameValue>
      <Name>/pd:myFields/pd:orgamount</Name>
      <Value xsi:type=\"xsd:string\">100.2</Value>
    </NameValue>
    <NameValue>
      <Name>/pd:myFields/pd:objwithSubArray</Name>
      <Value xsi:type=\"xsd:string\"></Value>
    </NameValue>
    <NameValue>
      <Name>/pd:myFields/pd:dept</Name>
      <Value xsi:type=\"xsd:string\">Administrator</Value>
    </NameValue>
  </ArrayOfNameValue>"
}
{
"Key": "94A76E58E3704BF8AE09A6900C130556",
"Value": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <ArrayOfNameValue xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance
    xmlns:xsd=\"http://www.w3.org/2001
      /XMLSchema\">
    <NameValue>
      <Name>/pd:myFields/pd:orgamount</Name>
      <Value xsi:type=\"xsd:string\">190.2</Value>
    </NameValue>
    <NameValue>
      <Name>/pd:myFields/pd:objwithSubArray</Name>
      <Value xsi:type=\"xsd:string\"></Value>
    </NameValue>
    <NameValue>
      <Name>/pd:myFields/pd:dept</Name>
      <Value xsi:type=\"xsd:string\">Human Resource</Value>
    </NameValue>
  </ArrayOfNameValue>"
}
}]

```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Remove Custom Attribute by ID

API Type

REST

HTTP Method

POST

Description

Removes a [process attribute](#) (custom attribute) with the specified custom attribute ID and process attribute name.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/RemoveCustomAttr/[customID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/RemoveCustomAttr/[customID]`

Request Parameters

Name	Description
customID	<p><u>Description:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

Request Body Properties

Name	Description
attributeName	<p><u>Description:</u></p> <p>The name of the process instance attribute you want.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process instance attribute.</p>

JavaScript Code Example

```

$("#btnRemoveCustomAttr").click(function () {

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
                RemoveCustomAttr/864739D327144B22A48F77FAC09A24DB/test1",
        dataType: "text"
    });
});

```

```
});
```


Java Code Example

```
public String RemoveCustomAttr() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                RemoveCustomAttr/864739D327144B22A48F77FAC09A24DB";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("attrName", "/pd:myFields/pd:orgamount");  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

C# Code Example

```
public string RemoveCustomAttr()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/  
                RemoveCustomAttr/864739D327144B22A48F77FAC09A24DB/test1";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.POSTMethod(URL);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST
```

```
--data {"CUSTOMID\":"827028D244B4F4D9117757492322F5E6\"}
https://mydomain:9011/AgilePointServer/Workflow/
RemoveCustomAttr/827028D244B4F4D9117757492322F5E6
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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Remove Custom Attributes by ID

API Type

REST

HTTP Method

POST

Description

Removes multiple [process attribute](#) (custom attributes) with the specified custom attribute ID and process variable names.

Good to Know

- The process variable names can be specified as a semicolon (;) delimited list.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/RemoveCustomAttrs/[customID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/RemoveCustomAttrs/[customID]`

Request Parameters

Name	Description
customID	<p><u>Description:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

Request Body Properties

Name	Description
namesArray	<p><u>Description:</u></p> <p>The the names of one or more items, such as a properties or attributes.</p>

Name	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid names.</p>

JavaScript Code Example

```

$("#btnRemoveCustomAttrs").click(function () {

    var JSONObject = { namesArray: "test2;ErrorMessage"};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/
            RemoveCustomAttrs/864739D327144B22A48F77FAC09A24DB",
        dataType: "text",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```

public String RemoveCustomAttrs() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
        RemoveCustomAttrs/864739D327144B22A48F77FAC09A24DB";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("namesArray", "TotalCost;ErrorMessage");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}

```

C# Code Example

```
public string RemoveCustomAttrs()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                RemoveCustomAttrs/864739D327144B22A48F77FAC09A24DB";

    string jsonRequestdata = "{
        \"namesArray\": \"\" + \"test2;ErrorMessage\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"namesArray\":\"test2\"}
      https://mydomain:9011/AgilePointServer/Workflow/
      RemoveCustomAttrs/827128D244B4F4D91177617CB9B71AFD
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Set Custom Attributes by ID

API Type

REST

HTTP Method

POST

Description

Sets a list of [process attribute](#) (custom attributes) to the specified values for a specified custom attribute ID. The list of process variables must be specified as a Name-Value array.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/SetCustomAttrs/[customID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/SetCustomAttrs/[customID]`

Request Parameters

Name	Description
customID	<p><u>Description:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>

Request Body Properties

Name	Description
attributes	<p><u>Description:</u></p> <p>Name-value pairs associated with a custom ID.</p> <p><u>Type</u></p> <p>NameValue</p> <p><u>Allowed Values:</u></p> <p>A valid custom ID with an associated name.</p>

JavaScript Code Example

```
$("#btnSetCustomAttrs").click(function () {  
  var JSONObject = {  
    attributes: [{ Name: "test1", Value: "test123" },  
                { Name: "test2", Value: "test1234"}]  
  };  
  $.ajax({  
    url: "https://mydomain:9011/AgilePointServer/Workflow/"
```

```
        SetCustomAttrs/C09EA09523C84E458A09E4101FCE6E1F",
        dataType: "text",
        data: JSON.stringify(JSONObject)
    });
});
```

Java Code Example

```
public String SetCustomAttrs() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/
                SetCustomAttrs/C09EA09523C84E458A09E4101FCE6E1F";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postMainObject = new JSONObject();
    JSONArray postArray = new JSONArray();
    String[] Name = { "Team", "Country" };
    String[] Value = { "Success", "Success" };

    for (int i = 0; i < Name.length; i++) {
        JSONObject postData = new JSONObject();
        postData.put("Name", Name[i]);
        postData.put("Value", Value[i]);

        postArray.put(postData);
    }
    postMainObject.put("attributes", postArray);
    return ops.POSTMethod(URI, postMainObject.toString());
    return "";
}
```

C# Code Example

```
public string SetCustomAttrs()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/
                SetCustomAttrs/C09EA09523C84E458A09E4101FCE6E1F";

    string jsonRequestData = "{
        \"attributes\": [ {\"Name\": \"test1\",
        \"Value\": \"test123\"},
```

```
{\"Name\\":\"test2\\",
  \"Value\\":\"test1234\\\"}}";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {\"attributes\\":[{\"Name\\":\"test123\\",
        \"Value\\":\"test1234\\\"}]}
      https://mydomain:9011/AgilePointServer/Workflow/
      SetCustomAttrs/827128D244B4F4D9117760CA3A2EC9E8
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Group, Role, and Rights

This section describes service calls related to the groups, roles, and rights.

Add New Group

API Type

REST

HTTP Method

POST

Description

Creates a [group](#) in AgilePoint NX, and sets the ResponsibleUser parameter as the [group lead](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/AddGroup`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/AddGroup`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Description	<p><u>Description:</u> A description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Description:</u> Enables or disables an entity.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Enables the entity. • False - Disables the entity.
GroupName	<p><u>Description:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid group name.</p>
ResponsibleUser	<p><u>Description:</u> The user name for the responsible user of this group.</p>

Name	Description
	<p>The responsible user must be a registered AgilePoint user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

JavaScript Code Example

```
$("#btnAddGroup").click(function () {  
  
    var JSONObject = {  
        GroupName: "test1234", Description: "test",  
        ResponsibleUser: "mydomain\\brian.lucas", Enabled: true  
    };  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/AddGroup",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String AddGroup() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddGroup";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    postData.put("GroupName", "Managers");  
    postData.put("Description", "Managers");  
    postData.put("ResponsibleUser", "mydomain\\brian.lucas");  
    postData.put("Enabled", "true");  
  
}
```

```
        return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string AddGroup()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddGroup";

    string jsonRequestData = "{
        \"GroupName\": \"My sample group\" + "\",
        \"Description\": \"test\" + "\",
        \"ResponsibleUser\": \"mydomain\\\\\\\\brian.lucas\" + "\",
        \"Enabled\": \"true\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"Description": "Adds my group",
        \"Enabled\": \"true\",
        \"GroupName\": \"Managers\",
        \"ResponsibleUser\": \"mydomain\\\\brian.lucas\"}
      https://mydomain:9011/AgilePointServer/Admin/AddGroup
```

Output

WFGroup object represented the group that is added.

JSON Response Body Example

```
{
  "CreatedBy": "mydomain\\administrator",
  "CreatedDate": "\/Date(1394323861255+0000)\/",
  "Description": "test",
  "Enabled": true,
  "LastModifiedBy": null,
  "LastModifiedDate": "\/Date(-6213556800000+0000)\/",
  "Name": "test1234",
  "ResponsibleUser": "mydomain\\brian.lucas",
  "Source": null
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Add Group Member

API Type

REST

HTTP Method

POST

Description

Adds a user to the specified AgilePoint [group](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/AddGroupMember

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/AddGroupMember

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

Name	Description
Description	<p><u>Description:</u> A description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Description:</u> Enables or disables an entity.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Enables the entity. • False - Disables the entity.
GroupName	<p><u>Description:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid group name.</p>
UserName	<p><u>Description:</u> The user name for the user.</p> <p><u>Type</u> string</p>

Name	Description
	<u>Allowed Values:</u> A valid user name for a registered AgilePoint user.

These properties are based on the class [AddGroupMemberHelper](#)

JavaScript Code Example

```
$("#btnAddGroupMember").click(function () {  
  
    var JSONObject = {  
        GroupName: "test1234", Description: "test123", UserName:  
"mydomain\\brian.lucas",  
        ClientData: null, Enabled: true  
    };  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/AddGroupMember",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String AddGroupMember() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddGroupMember";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    postData.put("GroupName", "Managers");  
    postData.put("Description", "Managers");  
    postData.put("UserName", "mydomain\\brian.lucas");  
    postData.put("ClientData", "");  
    postData.put("Enabled", "true");  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

```
return "";  
}
```

C# Code Example

```
public string AddGroupMember()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddGroupMember";  
  
    string jsonRequestData = "{  
        \"GroupName\": \"Managers\" + "\",  
        \"Description\": \"test\" + "\",  
        \"UserName\": \"mydomain\\brian.lucas\" + "\",  
        \"ClientData\": null + "\",  
        \"Enabled\": \"true\"}";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URL, jsonRequestData);  
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data {"Description": "Adds a user to my group",  
             "Enabled": "true",  
             "GroupName": "Managers",  
             "UserName": "mydomain\\brian.lucas",  
             "ClientData": ""}  
  
https://mydomain:9011/AgilePointServer/Admin/AddGroupMember
```

Output

WFGroupMember object that contains the data for the new group member.

JSON Response Body Example

```
{
  "ClientData": null
  "CreatedBy": "mydomain\administrator"
  "CreatedDate": "\/Date(928149600000)\/",
  "Description": "test123"
  "Enabled": true
  "Member": "mydomain\brian.lucas"
  "Name": "test1234"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Add New Role

API Type

REST

HTTP Method

POST

Description

Creates a [role](#) in AgilePoint NX, and specifies the [access right](#) for the users assigned to the role.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/AddRole

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/AddRole

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
RoleName	<p><u>Description:</u> The name of a role.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid role name.</p>
Description	<p><u>Description:</u> A description of an entity.</p> <p><u>Type</u> string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
Rights	<p><u>Description:</u></p> <p>Specifies the rights that are assigned to the Role.</p> <p><u>Type</u></p> <p>WFAccessRights</p> <p><u>Allowed Values:</u></p> <p>An array of index values. See the table for appropriate indexes.</p> <p>WFAccessRights provides the enums for rights. See the sample code for more information.</p>
Enabled	<p><u>Description:</u></p> <p>Enables or disables an entity.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Enables the entity. • False - Disables the entity.

Access Rights

Index	Rights
0	Register and modify the user information
1	Unregister a user
2	Add and modify role information
3	Remove a role

Index	Rights
4	Add and modify group information
5	Remove a group
6	Modify and view system information
7	Add a process definition
8	Check in and check out a process definition
9	Delete or disable a process definition
10	Release a process definition
11	Initiate a process
12	Suspend and resume a process
13	Resend and cancel an email notification
14	Cancel a process
15	Rollback a process
16	Reassign a task
17	Cancel a task
18	Create a task
19	Add, remove and modify delegation
20	Add, remove and modify report configuration
21	Achieve and restore processes
22	Add, remove and modify shared custom attributes
23	View process details

JavaScript Code Example

```

$("#btnAddRole").click(function () {

    var JSONObject = {
        RoleName: "testasd12",
        Description: "test",
        Enabled: true,
        Rights: ["InitiateProcessInstance", "CancelProcessInstance",
            "ViewProcessDetails"]
    };
};

```

```
$.ajax({
    url: "https://mydomain:9011/AgilePointServer/Admin/AddRole",
    data: JSON.stringify(JSONObject)
});

});
```

Java Code Example

```
public String AddRole() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddRole";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("RoleName", "Regional Managers");
    postData.put("Description", "Region wide Managers");
    postData.put("Enabled", "true");
    JSONArray rights = new JSONArray();
    String[] Rights = { "InitiateProcessInstance",
        "CancelProcessInstance", "ViewProcessDetails" };
    for (String temp : Rights) {
        rights.put(temp);
    }
    postData.put("Rights", rights);

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string AddRole()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddRole";

    string jsonRequestData = "{
        \"RoleName\": \"\" + \"testasd12\" + \"\",
        \"Description\": \"\" + \"test\" + \"\",
```


Good to Know

- This user or group inherits the [access right](#) specified at the role level.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/AddRoleMember

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/AddRoleMember

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Assignee	<p><u>Description:</u> The name of the assignee.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name or group name, depending upon the assignee type.</p>
AssigneeType	<p><u>Description:</u> The type for the assignee for the task.</p> <p><u>Type</u> string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • User - Assigns the task to a user. • Group - Assigns the task to a group.
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
ObjectID	<p><u>Description:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>
ObjectType	<p><u>Description:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>

Name	Description
RoleName	<p><u>Description:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

These properties are based on the class [AddRoleMemberHelper](#)

JavaScript Code Example

```

$("#btnAddRoleMember").click(function () {

    var JSONObject = {
        RoleName: "Administrators", Assignee: "mydomain\HR",
        AssigneeType: "User",
        ClientData: null, ObjectID: "00000000000000000000000000000000",
        ObjectType: "All"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/AddRoleMember",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```

public String AddRoleMember() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/AddRoleMember";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

```

```

JSONObject postData = new JSONObject();
postData.put("RoleName", "Regional Managers");
postData.put("Assignee", "mydomain\\HR");
postData.put("AssigneeType", "User");
postData.put("ClientData", "");
postData.put("ObjectID", "00000000000000000000000000000000");
postData.put("ObjectType", "All");

return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string AddRoleMember()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/AddRoleMember";

    string jsonRequestData = "{
        \"RoleName\": \"Administrators\" + \"\",
        \"Assignee\": \"mydomain\\\\\\\\brian.lucas\" + \"\",
        \"AssigneeType\": \"User\" + \"\",
        \"clientData\": null + \"\",
        \"ObjectID\": \"00000000000000000000000000000000\" + \"\",
        \"ObjectType\": \"All\" + \"\"}"

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}

```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"RoleName\": \"Administrators\",
            \"Assignee\": \"mydomain\\\\brian.lucas\",

```

```
\ "AssigneeType\" : \"User\" ,
\ "ClientData\" : \"\" ,
\ "ObjectID\" : \"00000000000000000000000000000000\" ,
\ "ObjectType\" : \"All\" }
https://mydomain:9011/AgilePointServer/Admin/AddRoleMember
```

Output

WFRoleMember object.

JSON Response Body Example

```
{
  "Assignee": "mydomain\HR"
  "AssigneeType": "User"
  "ClientData": null
  "CreatedBy": "mydomain\\brian.lucas"
  "CreatedDate": " \\/Date(928149600000)\\/" ,
  "ObjectID": "00000000000000000000000000000000"
  "ObjectName": null
  "ObjectType": "All"
  "RoleName": "Administrators"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Access Rights

API Type

REST

HTTP Method

POST

Description

Retrieves the access rights for a specified user.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetAccessRights

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetAccessRights

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
userName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> A valid user name for a registered AgilePoint user.

JavaScript Code Example

```
$("#btnGetAccessRights").click(function () {  
    var JSONObject = {  
        userName: "mydomain\\administrator"  
    };  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetAccessRights",  
        data: JSON.stringify(JSONObject)  
    });  
});
```

Java Code Example

```
public String GetAccessRights() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetAccessRights";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
    postData.put("userName", "mydomain\\administrator");  
  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

C# Code Example

```
public string GetAccessRights()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetAccessRights";
```

```
string jsonRequestData = "{\"userName\":\"\" + "mydomain\\administrator" +
"\}";

HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtdNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"userName\":\"mydomain\\brian.lucas\"}

https://mydomain:9011/AgilePointServer/Admin/GetAccessRights
```

Output

An array of integers that represent the access rights of the user.

JSON Response Body Example

```
[
  0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Access Right Names

API Type

REST

HTTP Method

GET

Description

Retrieves the names of all the access rights in the AgilePoint system.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetAccessRightNames`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetAccessRightNames`

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetAccessRightNames").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetAccessRightNames",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetAccessRightNames() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetAccessRightNames";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetAccessRightNames()  
{  
    string URL =  
    "https://mydomain:9011/AgilePointServer/Admin/GetAccessRightNames";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URL);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
https://mydomain:9011/AgilePointServer/Admin/GetAccessRightNames
```

Output

An array of strings that contain the names of all the access rights for the system.

JSON Response Body Example

```
{
  "GetAccessRightNamesResult": [
    "Register and modify the user information",
    "Unregister a user",
    "Add and modify the role information",
    "Remove a role",
    "Add and modify the group information",
    "Remove a group",
    "Modify\\View the system configuration",
    "Add a process template",
    "Checkin and checkout a process template",
    "Delete and disable a process template",
    "Release a process template",
    "Initiate a process",
    "Suspend and resume a process",
    "Resend and cancel an email notification",
    "Cancel a process",
    "Rollback a process",
    "Reassign a task",
    "Cancel a task",
    "Create a task",
    "Add, remove, and modify delegation",
    "Add, remove, and modify report configuration",
    "Archive and restore process(es)",
    "Add, remove, and modify shared custom attributes",
    "View Process details",
    "Modify custom attributes*",
    "View custom attributes*",
    "Allow to execute QueryDatabase() and QueryDatabaseEx()*",
    "Mark automatic work item completion*",
    "Save or remove temporary file*"
  ]
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Get Group by Name

API Type

REST

HTTP Method

GET

Description

Retrieves a [group](#) object with the specified AgilePoint group name.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetGroup/[groupName]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetGroup/[groupName]`

Request Parameters

Name	Description
groupName	<p><u>Description:</u></p> <p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>

JavaScript Code Example

```
$("#btnGetGroup").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetGroup/Finance Coordinator",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetGroup() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                GetGroup/Finance Coordinator";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetGroup()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
                GetGroup/Finance Coordinator";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                           password, appID, locale);

    return ops.GetData(URL);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/
      GetGroup/sample2
```

Output

WFGGroup object. If the specified group does not exist, the output is null.

JSON Response Body Example

```
{
  "GetGroupResult": {
    "CreatedBy": "mydomain\\administrator",
    "CreatedDate": "\/Date(928149600000)\/",
    "Description": "test",
    "Enabled": true,
    "LastModifiedBy": "",
    "LastModifiedDate": "\/Date(928149600000)\/",
    "Name": "Finance Coordinator",
    "ResponsibleUser": "mydomain\\administrator"
  }
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Group Members

API Type

REST

HTTP Method

GET

Description

Retrieves all the user members associated with the specified AgilePoint [group](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetGroupMembers/[groupName]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetGroupMembers/[groupName]`

Request Parameters

Name	Description
groupName	<p><u>Description:</u></p> <p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>

JavaScript Code Example

```
$("#btnGetGroupMembers").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetGroupMembers/Finance Coordinator",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetGroupMembers() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                GetGroupMembers/Finance Coordinator";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetGroupMembers()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/
                GetGroupMembers/Finance Coordinator";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URL);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/
      GetGroupMembers/sample2
```

Output

An array of WFGroupMember objects.

JSON Response Body Example

```
{
  "GetGroupMembersResult": [{
    "ClientData": "",
    "CreatedBy": "mydomain\\administrator",
    "CreatedDate": "\/Date(928149600000)\/",
    "Description": "",
    "Enabled": true,
    "Member": "mydomain\\administrator",
    "Name": "Finance Coordinator"
  }]
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Get Groups

API Type

REST

HTTP Method

GET

Description

Retrieves all the [group](#) objects in the AgilePoint system.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetGroups`

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetGroups").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetGroups",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetGroups() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetGroups";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetGroups()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetGroups";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```

```
return ops.GetData(URL);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="   
      https://mydomain:9011/AgilePointServer/Admin/GetGroups
```

Output

An Array of WFGroup objects.

JSON Response Body Example

```
{  
  "GetGroupsResult": [{  
    "CreatedBy": "mydomain\\administrator",  
    "CreatedDate": "\/Date(928149600000)\/",  
    "Description": "test123",  
    "Enabled": true,  
    "LastModifiedBy": "mydomain\\administrator",  
    "LastModifiedDate": "\/Date(928149600000)\/",  
    "Name": "Test1",  
    "ResponsibleUser": "mydomain\\administrator"  
  }]  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Role by Name

API Type

REST

HTTP Method

GET

Description

Retrieves a [role](#) object by the AgilePoint role name.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetRole/[roleName]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetRole/[roleName]

Request Parameters

Name	Description
roleName	<p><u>Description:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> A valid role name.

JavaScript Code Example

```
$("#btnGetRole").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            GetRole/Administrators",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetRole() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                GetRole/Administrators";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetRole()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/  
                GetRole/Administrators";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```


Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Registered Roles

API Type

REST

HTTP Method

GET

Description

Retrieves a list of all [roles](#) in the AgilePoint system.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetRoles`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetRoles`

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetRoles").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetRoles",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetRoles() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetRoles";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetRoles()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetRoles";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```

```
return ops.GetData(URL);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/GetRoles
```

Output

An array of WFRole objects that includes all roles.

JSON Response Body Example

```
{
  "GetRolesResult": [{
    "CreatedBy": "mydomain\\administrator"
    "CreatedDate": "\/Date(928149600000)\/",
    "Description": "Administrators have complete access to maintain system"
    "Enabled": true
    "LastModifiedBy": "mydomain\\administrator"
    "LastModifiedDate": "\/Date(928149600000)\/",
    "Name": "Administrators"
    "RightFlags": "YYYYYYYYYYYYYYYYYYYYYYYY
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
                  NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN"
  }
  {
    "CreatedBy": "mydomain\\HR"
    "CreatedDate": "\/Date(928149600000)\/",
    "Description": "Administrators have complete access to maintain system"
    "Enabled": true
```


HTTP Method

POST

Description

Retrieves the members assigned to a [role](#) that match a specified [WHERE clause](#) of an SQL query expression.

Good to Know

- Only pass the WHERE clause without WHERE keyword, not the whole query.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/QueryRoleMembers/[roleName]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/QueryRoleMembers/[roleName]`

Request Parameters

Name	Description
roleName	<p><u>Description:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

Request Body Properties

Name	Description
sqlWhereClause	<p><u>Description:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

JavaScript Code Example

```
$("#btnQueryRoleMembers").click(function () {  
  
    var JSONObject = { sqlWhereClause: "ASSIGNEE_TYPE='User'"};  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            QueryRoleMembers/Administrators",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String QueryRoleMembers() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                QueryRoleMembers/Administrators";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();
```

```
postData.put("sqlWhereClause", "ASSIGNEE_TYPE='User'");

return ops.POSTMethod(URI, postData.toString());
return "";
}
```

C# Code Example

```
public string QueryRoleMembers()
{
    string jsonRequestData = "{\"sqlWhereClause\": \"\" + "ASSIGNEE_TYPE='User' " +
    "\"}";

    string URL="https://mydomain:9011/AgilePointServer/Admin/
    QueryRoleMembers/Administrators";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"sqlWhereClause\":
      \"WF_ROLES.NAME='Administrator'\"}
      https://mydomain:9011/AgilePointServer/Admin/
      QueryRoleMembers/sample
```

Output

Returns array of WFRoleMember members of the role that match the specified SQL statement.

JSON Response Body Example

```
[{
  "Assignee": "mydomain\\administrator",
  "AssigneeType": "User",
  "ClientData": "",
  "CreatedBy": "mydomain\\administrator",
  "CreatedDate": "\/Date(928149600000)\/",
  "ObjectID": "00000000000000000000000000000000",
  "ObjectName": null,
  "ObjectType": "All",
  "RoleName": "Administrators"
},
{
  "Assignee": "mydomain\\HR",
  "AssigneeType": "User",
  "ClientData": "",
  "CreatedBy": "mydomain\\administrator",
  "CreatedDate": "\/Date(928149600000)\/",
  "ObjectID": "00000000000000000000000000000000",
  "ObjectName": null,
  "ObjectType": "All",
  "RoleName": "Administrators"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Remove Group

API Type

REST

HTTP Method

POST

Description

Permanently removes an AgilePoint [group](#) with the specified group name.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/RemoveGroup/[groupName]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/RemoveGroup/[groupName]

Request Parameters

Name	Description
groupName	<p><u>Description:</u></p> <p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> A valid group name.

JavaScript Code Example

```
$("#btnRemoveGroup").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveGroup/testGroup"  
        dataType: "text"  
    });  
});
```

Java Code Example

```
public String RemoveGroup() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                RemoveGroup/Regional HR";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
  
}
```

C# Code Example

```
public string RemoveGroup()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/  
                RemoveGroup/ProjectLead";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```

```
return ops.POSTMethod(URL);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data {"Name\":\"Managers\"}  
      https://mydomain:9011/AgilePointServer/Admin/  
      RemoveGroup/TrialGroupg
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Remove Group Member

API Type

REST

HTTP Method

POST

Description

Permanently removes a user member from a specified [group](#).

Good to Know

- If the user has a group task assigned, the user continues to see the task until another group member takes assignment for the task.
- The exception is a Dynamic Group task, which is immediately removed from the user's task list.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/RemoveGroupMember`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/RemoveGroupMember`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
GroupName	<p><u>Description:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid group name.</p>
UserName	<p><u>Description:</u> The user name for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name for a registered AgilePoint user.</p>

These properties are based on the class [RemoveGroupMemberHelper](#)

JavaScript Code Example

```
$("#btnRemoveGroupMember").click(function () {  
  
    var JSONObject = {  
        GroupName: "test1234",  
    };  
});
```

```
    UserName: "mydomain\\brian.lucas"
  };

  $.ajax({
    url: "https://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember",
    dataType: "text",
    data: JSON.stringify(JSONObject)
  });
});
```

Java Code Example

```
public String RemoveGroupMember() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("GroupName", "Regional HR");
    postData.put("UserName", "mydomain\\brian.lucas");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string RemoveGroupMember()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember";

    string jsonRequestData = "{
        \"GroupName\": \"\" + \"Administrators\" + \"\",
        \"UserName\": \"\" + \"mydomain\\brian.lucas\" + \"\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
```

```
return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"GroupName\":"Managers\",
             \"UserName\":"mydomain\\brian.lucas\"}

https://mydomain:9011/AgilePointServer/Admin/RemoveGroupMember
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Remove Role

API Type

REST

HTTP Method

POST

Description

Permanently removes a [role](#) from the AgilePoint system.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/RemoveRole/[roleName]

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/RemoveRole/[roleName]

Request Parameters

Name	Description
roleName	<p><u>Description:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<u>Allowed Values:</u> A valid role name.

JavaScript Code Example

```
$("#btnRemoveRole").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/  
            RemoveRole/testRole",  
        dataType: "text"  
    });  
});
```

Java Code Example

```
public String RemoveRole() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/  
                RemoveRole/Development";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    return ops.POSTMethod(URI, postData.toString());  
}
```

C# Code Example

```
public string RemoveRole()  
{  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/  
                RemoveRole/myrole";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);
```

```
return ops.GetData(URL);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data {"Name\":"mydomain\\"brian.lucas\" }  
      https://mydomain:9011/AgilePointServer/Admin/  
      RemoveRole/sasda
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Remove Role Member

API Type

REST

HTTP Method

POST

Description

Permanently removes a user or [group](#) member from a [role](#).

Good to Know

- If the user has a group task assigned, the user continues to see the task until another group member takes assignment for the task.
- The exception is a Dynamic Group task, which is immediately removed from the user's task list.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/RemoveRoleMember`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/RemoveRoleMember`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Assignee	<u>Description:</u>

Name	Description
	<p>The name of the assignee.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name or group name, depending upon the assignee type.</p>
AssigneeType	<p><u>Description:</u> The type for the assignee for the task.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • User - Assigns the task to a user. • Group - Assigns the task to a group.
ObjectID	<p><u>Description:</u> Reserved for future use.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A null value.</p>
RoleName	<p><u>Description:</u> The name of a role.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid role name.

These properties are based on the class [RemoveRoleMemberHelper](#)

JavaScript Code Example

```
$("#btnRemoveRoleMember").click(function () {  
  
    var JSONObject = {  
        RoleName: "Administrators", Assignee: "mydomain\\brian.lucas",  
        AssigneeType: "User",  
        ObjectID: "00000000000000000000000000000000"  
    };  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember",  
        dataType: "text",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String RemoveRoleMember() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put("RoleName", "Administrators");  
    postData.put("Assignee", "mydomain\\brian.lucas");  
    postData.put("AssigneeType", "User");  
    postData.put("ObjectID", "00000000000000000000000000000000");  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

C# Code Example

```
public string RemoveRoleMember()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember";

    string jsonData = "{
        \"RoleName\": \"Administrators\" + "\",
        \"Assignee\": \"mydomain\\brian.lucas\" + "\",
        \"AssigneeType\": \"User\" + "\",
        \"ObjectID\": \"00000000000000000000000000000000\" + \"}\"";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"RoleName\": \"Administrators\",
              \"Assignee\": \"mydomain\\brian.lucas\",
              \"AssigneeType\": \"User\",
              \"ObjectID\": \"00000000000000000000000000000000\"}
https://mydomain:9011/AgilePointServer/Admin/RemoveRoleMember
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Update Group

API Type

REST

HTTP Method

POST

Description

Updates a [group](#) with a new description or [group lead](#).

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/UpdateGroup`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/UpdateGroup`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Description	<p><u>Description:</u> A description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Description:</u> Enables or disables an entity.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Enables the entity. • False - Disables the entity.
GroupName	<p><u>Description:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A valid group name.</p>
ResponsibleUser	<p><u>Description:</u></p> <p>The user name for the responsible user of this group.</p> <p>The responsible user must be a registered AgilePoint user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

JavaScript Code Example

```

$("#btnUpdateGroup").click(function () {

    var JSONObject = {
        GroupName: "test1234", Description: "test123",
        ResponsibleUser: "mydomain\\HR", Enabled: true
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateGroup",
        data: JSON.stringify(JSONObject)
    });

});

```

Java Code Example

```

public String UpdateGroup() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateGroup";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

```

```

JSONObject postData = new JSONObject();

postData.put("GroupName", "Development");
postData.put("Description", "Development");
postData.put("ResponsibleUser", "mydomain\\HR");
postData.put("Enabled", "true");
return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string UpdateGroup()
{
    string URL = "https://mydomain:9011/AgilePointServer/Admin/UpdateGroup";

    string jsonRequestData = "{
        \"GroupName\": \"Development\" + "\",
        \"Description\": \"UpdateGroupTeest\" + "\",
        \"ResponsibleUser\": \"mydomain\\HR\" + "\",
        \"Enabled\": \"true\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"GroupName\": \"Managers\",
        \"Description\": \"Updates information for my group\",
        \"ResponsibleUser\": \"mydomain\\brian.lucas\",
        \"Enabled\": \"true\"}
      https://mydomain:9011/AgilePointServer/Admin/UpdateGroup

```

Output

An updated WFGroup.

JSON Response Body Example

```
{
  "CreatedBy": "mydomain\\administrator"
  "CreateDate": "\/Date(928149600000)\/",
  "Description": "test123"
  "Enabled": true
  "LastModifiedBy": "mydomain\\administrator"
  "LastModifiedDate": "\/Date(928149600000)\/",
  "Name": "test1234"
  "ResponsibleUser": "mydomain\\HR"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Update Role

API Type

REST

HTTP Method

POST

Description

Updates the description or [access right](#) selections of a [role](#).

URL Format (OnPremises, Private Cloud)

[https://\[domain\]:\[port\]/AgilePointServer/Admin/UpdateRole](https://[domain]:[port]/AgilePointServer/Admin/UpdateRole)

URL Format (OnDemand)

[https://\[domain\]:\[port\]/AgilePointService/Admin/UpdateRole](https://[domain]:[port]/AgilePointService/Admin/UpdateRole)

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Description	<p><u>Description</u>:</p> <p>A description of an entity.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
Enabled	<p><u>Description:</u></p> <p>Enables or disables an entity.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Enables the entity. • False - Disables the entity.
Rights	<p><u>Description:</u></p> <p>Specifies the rights that are assigned to the Role.</p> <p><u>Type</u></p> <p>WFAccessRights</p> <p><u>Allowed Values:</u></p> <p>An array of index values. See the table for appropriate indexes.</p> <p>WFAccessRights provides the enums for rights. See the sample code for more information.</p>
RoleName	<p><u>Description:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

These properties are based on the class [AddUpdateRoleHelper](#)

JavaScript Code Example

```
$("#btnUpdateRole").click(function () {

    var JSONObject = {
        RoleName: "testasd12",
        Description: "test",
        Enabled: true,
        Rights: ["InitiateProcessInstance", "CancelProcessInstance"]
    };

    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateRole",
        data: JSON.stringify(JSONObject)
    });

});
```

Java Code Example

```
public String UpdateRole() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateRole";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("RoleName", "Regional Managers");
    postData.put("Description", "Regional Managers");
    postData.put("Enabled", "true");
    JSONArray rights = new JSONArray();
    String[] Rights = { "InitiateProcessInstance",
        "CancelProcessInstance" };
    for (String temp : Rights) {
        rights.put(temp);
    }
    postData.put("Rights", rights);
    return ops.POSTMethod(URI, postData.toString());
}
```

```
return "";  
}
```

C# Code Example

```
public string UpdateRole()  
{  
  
    string URL = "https://mydomain:9011/AgilePointServer/Admin/UpdateRole";  
  
    string jsonRequestData = "{  
        \"RoleName\": \"\" + \"RoleToBeUpdated\" + \"\",  
        \"Description\": \"\" + \"test\" + \"\",  
        \"Enabled\": \"true\",  
        \"Rights\": [\"InitiateProcessInstance\",  
        \"CancelProcessInstance\"]}\"";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URL, jsonRequestData);  
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"  
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M=" --request POST  
      --data {"RoleName\":\"Regional Managers\",  
             \"Description\":\"Updates information for my role\",  
             \"Enabled\":\"true\",  
             \"Rights\":\"[]\"}  
      https://mydomain:9011/AgilePointServer/Admin/UpdateRole
```

Output

An updated WFRole object.

Other Web Services

This section describes other additional web services.

Generate New UUID (Universally Unique ID)

API Type

REST

HTTP Method

GET

Description

Retrieves the UUID generated by [AgilePoint Server](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/GetUUID

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/GetUUID

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnActivateWorkItem").click(function () {  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/GetUUID",  
        type: "GET"  
    });  
});
```

```
});  
});
```


Java Code Example

```
public String GetUUID() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/GetUUID";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetUUID()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/GetUUID";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
      https://mydomain:9011/AgilePointServer/Workflow/GetUUID
```

Output

A UUID.

JSON Response Body Example

```
{
  "GetUUIDResult": "2A32BD8DCF4E41468316332CC31C3E0C"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Query Audit Trail

API Type

REST

HTTP Method

POST

Description

Retrieves all audit trail items using a a specified [WHERE clause](#) of an SQL query expression.

Good to Know

- Only pass the WHERE clause without WHERE keyword, not the whole query.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryAuditTrail

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryAuditTrail

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
where	<p><u>Description:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

JavaScript Code Example

```
$("#btnQueryAuditTrail").click(function () {
    var JSONObject = { where: "CATEGORY = 0 AND PURPOSE='Check-in process definition'"};
```

```
$.ajax({
    url: "https://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail",
    data: JSON.stringify(JSONObject)
});

});
```

Java Code Example

```
public String QueryAuditTrail() {

    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

    postData.put("where",
        "CATEGORY = 0 AND PURPOSE='Check-in process definition'");
    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string QueryAuditTrail()
{
    string URL = "https://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail";

    string jsonRequestdata = "{
        \"sql\": \"CATEGORY = 0 AND PURPOSE='Check-in process definition'\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestdata);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEfkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\":"CATEGORY\","
            \Operator\":"EQ\","
            \WhereClause\":"8\","
            \IsValue\":"true\"}

https://mydomain:9011/AgilePointServer/Workflow/QueryAuditTrail
```

Output

An array list of WFAuditTrailItem objects.

JSON Response Body Example

```
[{
  "Category":0,
  "DateOccurred":" \\/Date(928149600000)\/",
  "Description":"Core.FailedUncheckOut.Ownership",
  "ObjectID":"","
  "ObjectInfo":"","
  "Performer":"mydomain\\Administrator",
  "Purpose":"Check-in Process Definition",
  "Status":0
},
{
  "Category":0,
  "DateOccurred":" \\/Date(928149600000)\/",
  "Description":"","
  "ObjectID":"A9F16EC0FC424C8189917DB1E6E8FB5C",
  "ObjectInfo":"SingleCompleteMobileView\\/1.01",
  "Performer":"mydomain\\Administrator",
  "Purpose":"Check-in Process Definition",
  "Status":0
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Query Database

API Type

REST

HTTP Method

POST

Description

Queries the database with a valid SQL query and returns the dataset as a string in the XML format.

Good to Know

- If **trustedAuthorization** is set to **False**, this method will not execute unless a special access control is turned on.

For more information, refer to [Why Do I Get an Access Denied Error for an API Method Call?](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Workflow/QueryDatabase

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Workflow/QueryDatabase

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
sql	<p><u>Description:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

JavaScript Code Example

```

$("#btnQueryDatabase").click(function () {
    var JSONObject = {
        sql: "SELECT * FROM WF_AUDIT_TRAILS where CATEGORY = 0
            AND PURPOSE='Check-in process definition'"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Workflow/QueryDatabase",
        data: JSON.stringify(JSONObject)
    });
});

```

```
});  
});
```

Java Code Example

```
public String QueryDatabase() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryDatabase";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    JSONObject postData = new JSONObject();  
  
    postData.put(  
        "sql",  
        "SELECT * FROM WF_AUDIT_TRAILS where CATEGORY = 0 AND  
        PURPOSE='Check-in process definition'");  
  
    return ops.POSTMethod(URI, postData.toString());  
    return "";  
}
```

C# Code Example

```
public string QueryDatabase()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/QueryDatabase";  
  
    string jsonRequestdata = "{  
        \"where\": \"SELECT * FROM WF_AUDIT_TRAILS where CATEGORY = 0 AND  
        PURPOSE='Check-in process definition'\" }";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.POSTMethod(URI, jsonRequestdata);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"ColumnName\":"CATEGORY\" ,
            \"Operator\":"EQ\" ,
            \"WhereClause\":"8\" ,
            \"IsValue\":"true\"}

https://mydomain:9011/AgilePointServer/Workflow/QueryDatabase
```

Output

An XML string that contains the dataset with the results of the database query.

JSON Response Body Example

```
"<DataSet>
  <Table>
    <CATEGORY>0</CATEGORY>
    <PURPOSE>Check-in Process Definition</PURPOSE>
    <DATE_OCCURRED>2014-02-13T13:11:59.36</DATE_OCCURRED>
    <PERFORMER>mydomain\Administrator</PERFORMER>
    <DESCRIPTION>Core.FailedUncheckOut.Ownership</DESCRIPTION>
    <STATUS>Failed</STATUS>
  </Table>
</DataSet>"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Methods for Events

This section describes service calls related to workflow events in the REST API.

Get Event by ID

API Type

REST

HTTP Method

GET

Description

Retrieves an [event](#) object.

Good to Know

- This method is usually used to check if a service call has been completed.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Workflow/GetEvent/[eventID]`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Workflow/GetEvent/[eventID]`

Request Parameters

Name	Description
eventID	<p><u>Description:</u></p> <p>Specifies a unique ID for an event.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique, 32-character ID.</p>

JavaScript Code Example

```
$("#btnGetEvent").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Workflow/  
            GetEvent/0001D1C507B0451082ECC56BB49713BB",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetEvent() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Workflow/  
                GetEvent/0001D1C507B0451082ECC56BB49713BB";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetEvent()
{
    string URI = "https://mydomain:9011/AgilePointServer/Workflow/
                GetEvent/0001D1C507B0451082ECC56BB49713BB";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
                                           password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Workflow/
      GetEvent/827028D244B4F4D9117760A414427E9C
```

Output

WFEvent object.

JSON Response Body Example

```
{
  "GetEventResult":
  {
    "ActivityInstID": "",
    "AutoStart": true,
    "CustomAttributes": null,
    "Diagnostic": true,
    "EndDate": " \Date(928149600000)\",
    "Entries": 0, "Error": null,
    "EventID": "0001D1C507B0451082ECC56BB49713BB",
    "EventName": "CreateProcessInstance",
    "HighPriority": false,
  }
}
```

```

"ParamsXml": "<?xml version=\"1.0\" encoding=\"utf-8\"?>
  <WFEEvent>
    <param name=\"UserID\" value=\"2AD8B7B4C9DF0198087CF50D0DDE
      7431DF67FBE7D0123CAF969E31FE
      3C85EE12A1F8F19DDA75A5FF79124
      BA90DB2311A28DEE43490FCC1B68A7
      CDD5F50E04BF5 42D0F384820A03BBED
      C2CD2D2F3E14B9A35F7774812C53B63E
      A655C2A840B54CC383EA81EB10BF8AE0
      3CD920A20ECA79\" \/>
    <param name=\"AutoStart\" value=\"True\" \/>
    <param name=\"WorkObjectID\" value=\"AAF1FE3CEEED410BA
      2D30745ACB95DAA\" \/>
    <param name=\"ProcInstID\" value=\"10B50DDB36A04E66A6
      277CE0C72688EC\" \/>
    <param name=\"ProcInstName\" value=\"AgileFormMobileApp-
      7F33E38BC8E945D6B3ED
      59B666C6ACAD\" \/>
    <param name=\"ProcDefID\" value=\"9A901F728F124055
      A8759AAB0A97E966\" \/>
    <param name=\"ClientData\" value=\"AAF1FE3CEEED410
      BA2D30745ACB95DAA\" \/>
  </WFEEvent>\",

"ParentProcInstID": "",
"ProcDefID": "9A901F728F124055A8759AAB0A97E966",
"ProcInstID": "10B50DDB36A04E66A6277CE0C72688EC",
"ProcInstName": "mycompany MobileApp-7F33E38BC8E945D6B3ED59B666C6ACAD",
"Sender": "mydomain\Administrator",
"SentDate": " \\/Date(928149600000)\/",
"SourceWorkItemID": "",
"Status": "Processed",
"TenantID": null,
"UserID": "2AD8B7B4C9DF0198087CF50D0
  DDE7431DF67FBE7D0123CAF96
  9E31FE3C85EE12A1F8F19DDA7
  5A5FF79124BA90DB2311A28DE
  E43490FCC1B68A7CDD5F50E04BF5
  42D0F384820A03BBEDC2CD2D2F3E
  14B9A35F7774812C53B63EA655C2
  A840B54CC383EA81EB10BF8AE03C
  D920A20ECA79",

"WorkItemID": "",
"WorkObjectID": "AAF1FE3CEEED410BA2D30745ACB95DAA",
"WorkObjectInfo": ""

```

```
}  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Administrative Service

This section describes service calls related to administrative functions. These calls are found under admin.wsdl.

Get Database Information

API Type

REST

HTTP Method

GET

Description

Retrieves the database information of the current server configuration.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetDatabaseInfo

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetDatabaseInfo

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetDatabaseInfo").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetDatabaseInfo() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetDatabaseInfo()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
https://mydomain:9011/AgilePointServer/Admin/GetDatabaseInfo
```

Output

A DatabaseInfo object that represents the database information of the system.

JSON Response Body Example

```
{
  "GetDatabaseInfoResult":
  {
    "Connstr": "application name= Mycompany Server;
      connection lifetime=5;
      min pool size=10;
      server=DME03;
      database=APDB50R2;
      trusted_Connection=yes"
    "Provider": null
    "Vendor": "MSSQLDatabase"
  }
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Domain Groups

API Type

REST

HTTP Method

POST

Description

Retrieves all the [groups](#) in the [Active Directory](#) domain specified in the LDAPPath parameter.

Good to Know

- This method is used only for AgilePoint internal purposes.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetDomainGroups`

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetDomainGroups

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Filter	<p><u>Description:</u></p> <p>A filter term for groups that is wildcard-enabled.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string in the format (name=[my wildcard filter]).</p>
LDAPPath	<p><u>Description:</u></p> <p>The LDAP path to the domain.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid LDAP path.</p> <p>If the value is null, the AgilePoint Server machine domain will be used.</p>

JavaScript Code Example

```
$("#btnGetDomainGroups").click(function () {
    var JSONObject = {
        LDAPPath: "LDAP://\\//DC=mydomain,DC=com",
        Filter: ""
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroups",
        data: JSON.stringify(JSONObject)
    });
});
```

Java Code Example

```
public String GetDomainGroups() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroups";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("LDAPPath", "LDAP://\\//DC=mydomain,DC=com");
    postData.put("Filter", "");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string GetDomainGroups()
{
    string jsonRequestData = "{
        \"LDAPPath\": \"LDAP://\\//DC=mydomain,
        DC=com\",
        \"Filter\": \"\"}";

    string URL = "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroups";
```

```
HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
    --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
    --request POST
    --data {"LDAPPath\":"WinNT:\\\\mydomain\",
    \"Filter\":"\""}

https://mydomain:9011/AgilePointServer/Admin/GetDomainGroups
```

Output

Array of KeyValue objects. If the specified group is not found, the output is null.

JSON Response Body Example

```
[{
  "Key": "String content",
  "Value": "String content"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Domain Group Members

API Type

REST

HTTP Method

POST

Description

Retrieves the members of a [group](#) in the [Active Directory](#) domain.

Good to Know

- This method is used only for AgilePoint internal purposes.
- The distinguished name of the group in the LDAP format is required in the `groupDistinguishedName` parameter.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetDomainGroupMembers`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetDomainGroupMembers`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
groupDistinguished-Name	<p><u>Description:</u></p> <p>Specifies the name of a group in LDAP format.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid a group name in LDAP format.</p>

JavaScript Code Example

```

$("#btnGetDomainGroupMembers").click(function () {
    var JSONObject = { groupDistinguishedName: "LDAP://\adHocAdmin"};
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers",
        data: JSON.stringify(JSONObject)
    });
});

```

Java Code Example

```

public String GetDomainGroupMembers() {

    String URI =
    "https://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers";

```

```

HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

JSONObject postData = new JSONObject();
postData.put("groupDistinguishedName", "LDAP://\\/\\/adHocAdmin");

return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string GetDomainGroupMembers()
{
    string jsonRequestData = "{
        \"groupDistinguishedName\": \"LDAP://\\/\\/adHocAdmin\"}";

    string URL =
"https://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URL, jsonRequestData);
}

```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```

curl --header "Content-Type: application/json"
    --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
    --request POST
    --data {"groupDistinguishedName\": \"WinNT://\\/mydomain\"}

https://mydomain:9011/AgilePointServer/Admin/GetDomainGroupMembers

```

Output

An array of DomainUser objects.

JSON Response Body Example

```
{
  "Department": "String content",
  "EMailAddress": "String content",
  "FullName": "String content",
  "Manager": "String content",
  "MemberOf": ["String content"],
  "Title": "String content",
  "UserName": "String content"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Domain Name

API Type

REST

HTTP Method

GET

Description

Retrieves the [Active Directory](#) domain name to which [AgilePoint Server](#) connects.

Good to Know

- This method is used only for AgilePoint internal purposes.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetDomainName

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetDomainName

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetDomainName").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainName",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetDomainName() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainName";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,
```

```
        password, appID, locale);

    return ops.GETMethod(URI);
}
```


C# Code Example

```
public string GetDomainName()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainName";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.GetData(URI);
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/GetDomainName
```

Output

A string containing the domain name of the AgilePoint Server machine.

JSON Response Body Example

```
"String content"
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Domain Users

API Type

REST

HTTP Method

POST

Description

Retrieves all the users in the [Active Directory](#) domain specified in the LDAPPath parameter.

Good to Know

- This method is used only for AgilePoint internal purposes.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetDomainUsers

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetDomainUsers

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Filter	<p><u>Description:</u></p> <p>A filter term for groups that is wildcard-enabled.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string in the format (name=[my wildcard filter]).</p>
LDAPPath	<p><u>Description:</u></p> <p>The LDAP path to the domain.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid LDAP path.</p> <p>If the value is null, the AgilePoint Server machine domain will be used.</p>

JavaScript Code Example

```
$("#btnGetDomainUsers").click(function () {
  var JSONObject = {
    LDAPPath: "LDAP://OU=people,DC=mydomain,DC=com",
    Filter: "(objectCategory=person)"
  }
});
```

```
};
$.ajax({
  url: "https://mydomain:9011/AgilePointServer/Admin/GetDomainUsers",
  data: JSON.stringify(JSONObject)
});
});
```

Java Code Example

```
public String GetDomainUsers() {

  String URI = "https://mydomain:9011/AgilePointServer/Admin/GetDomainUsers";

  HTTPOperations ops = new HTTPOperations(domain, userName,
    password, appID, locale);

  JSONObject postData = new JSONObject();
  postData.put("LDAPPath", "LDAP://OU=people,DC=mydomain,DC=com");
  postData.put("Filter", "(objectCategory=person)");

  return ops.POSTMethod(URI, postData.toString());
  return "";
}
```

C# Code Example

```
public string GetDomainUsers()
{
  string jsonRequestData = "{
    \"LDAPPath\": \"LDAP://\\/\\/OU=people,
    DC=mydomain,
    DC=com\",
    \"Filter\": \"(objectCategory=person)\"}";

  string URL = "https://mydomain:9011/AgilePointServer/Admin/GetDomainUsers";

  HTTPOperations ops = new HTTPOperations(domain, this.userName,
    password, appID, locale);

  return ops.POSTMethod(URL, jsonRequestData);
}
```

cURL Code Example

❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"LDAPPath\":"LDAP://mydomain",
            "Filter\":"\""}
https://mydomain:9011/AgilePointServer/Admin/GetDomainUsers
```

Output

Array of DomainUser objects. If the specified group does not exist, the return value is null.

JSON Response Body Example

```
[{
  "Department":"String content",
  "EmailAddress":"String content",
  "FullName":"String content",
  "Manager":"String content",
  "MemberOf":["String content"],
  "Title":"String content",
  "UserName":"String content"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Locale

API Type

REST

HTTP Method

GET

Description

Retrieves the default `locale` for AgilePoint Server.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetLocale

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetLocale

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetLocale").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetLocale",  
        type: "GET"  
    });  
  
});
```


Java Code Example

```
public String GetLocale() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetLocale";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetLocale()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetLocale";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/GetLocale
```

Output

Locale abbreviation—for example, en-US.

JSON Response Body Example

```
{
  "GetLocaleResult": "en-US"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Registered User by Name

API Type

REST

HTTP Method

POST

Description

Retrieves the profile information for the specified registered user.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetRegisterUser

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetRegisterUser

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
userName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

JavaScript Code Example

```
$("#btnGetRegisterUser").click(function () {
    var JSONObject = {
        userName: "mydomain\\administrator"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/
            GetRegisterUser",
        data: JSON.stringify(JSONObject)
    });
});
```

Java Code Example

```
public String GetRegisterUser() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUser";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("userName", "mydomain\\administrator");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string GetRegisterUser()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUser";

    string jsonRequestData = "{ \"userName\": \"mydomain\\administrator\" }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
```

```
return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"userName\":\"mydomain\\administrator\"}

https://mydomain:9011/AgilePointServer/Admin/GetRegisterUser
```

Output

RegisteredUser object.

JSON Response Body Example

```
{
  "Department": "Administrator"
  "EmailAddress": "admin@mycompany.com"
  "FullName": "administrator"
  "Locale": "en-US"
  "Manager": "mydomain\Manager"
  "OnlineContact": "admin@mycompany.com"
  "RefID": ""
  "RegisteredDate": " \\/Date(928149600000)\\/"
  "TimeZone": ""
  "Title": ""
  "UALExpirationDate": " \\/Date(928149600000)\\/"
  "UALNeverExpires": false
  "UserName": "mydomain\administrator"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get All Registered Users

API Type

REST

HTTP Method

GET

Description

Retrieves profile of all the registered users.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetRegisterUsers`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetRegisterUsers`

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetRegisterUsers").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetRegisterUsers() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetRegisterUsers()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
}
```

```
return ops.GetData(URI);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="   
  
https://mydomain:9011/AgilePointServer/Admin/GetRegisterUsers
```

Output

Returns an array of registered users.

JSON Response Body Example

```
{  
  "GetRegisterUsersResult": [{  
    "Department": "Administrator"  
    "EmailAddress": "admin@mycompany.com"  
    "FullName": "administrator"  
    "Locale": "en-US"  
    "Manager": "mydomain\Manager"  
    "OnlineContact": "admin@mycompany.com"  
    "RefID": ""  
    "RegisteredDate": " \\/Date(928149600000)\\/"  
    "TimeZone": ""  
    "Title": ""  
    "UALExpirationDate": " \\/Date(928149600000)\\/"  
    "UALNeverExpires": false  
    "UserName": "mydomain\administrator"  
  },  
  {  
    "Department": "Manager"  
    "EMailAddress": "manager@mycompany.com"  
    "FullName": "Manager"  
    "Locale": "en-US"  
    "Manager": ""  
    "OnlineContact": "manager@mycompany.com"  
    "RefID": ""  
  }  
}
```

```
"RegisteredDate": " \\/Date(928149600000)\\/"  
"TimeZone": ""  
"Title": ""  
"UALExpirationDate": " \\/Date(928149600000)\\/"  
"UALNeverExpires": false  
"UserName": "mydomain\\Manager"  
}  
[]}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get Sender Email Address

API Type

REST

HTTP Method

GET

Description

Retrieves the sender e-mail address of the [AgilePoint Server System User](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetSenderEmailAddress

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetSenderEmailAddress

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetSenderEmailAddress").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSenderEmailAddress",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetSenderEmailAddress() {  
  
    String URI =  
    "https://mydomain:9011/AgilePointServer/Admin/GetSenderEmailAddress";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetSenderEmailAddress()  
{  
    string URI =  
        "https://mydomain:9011/AgilePointServer/Admin/GetSenderEmailAddress";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
  
https://mydomain:9011/AgilePointServer/Admin/GetSenderEmailAddress
```

Output

The email address that is configured as the sender email address on the AgilePoint Server.

JSON Response Body Example

```
{  
    "GetSenderEmailAddressResult": "admin@mycompany.com"  
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get SMTP Server

API Type

REST

HTTP Method

GET

Description

Retrieves the SMTP server URI configured for [AgilePoint Server](#).

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetSmtperServer

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetSmtperServer

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetSmtpServer").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSmtpServer",  
        type: "GET"  
    });  
  
});
```


Java Code Example

```
public String GetSMTPServer() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetSMTPServer";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetSmtpServer()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetSmtpServer";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      https://mydomain:9011/AgilePointServer/Admin/GetSmtServer
```

Output

A string that contains the name of the AgilePoint system's SMTP server.

JSON Response Body Example

```
{
  GetSmtServerResult: "String content"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Get System Performance Information

API Type

REST

HTTP Method

GET

Description

Retrieves system performance information for [AgilePoint Server](#).

Good to Know

- In an NLB environment, it shows information for the server that received the request.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/GetSysPerfInfo`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/GetSysPerfInfo`

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetSysPerfInfo").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo",  
        type: "GET"  
    });  
  
});
```


Java Code Example

```
public String GetSysPerfInfo() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
                                           password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetSysPerfInfo()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
                                           password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

cURL Code Example

 The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl -H "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="  
  
https://mydomain:9011/AgilePointServer/Admin/GetSysPerfInfo
```

Output

WFSysPerfInfo object.

JSON Response Body Example

```
{
  "GetSysPerfInfoResult":
  {
    "AverageEventProcessingTime":166.92028666666675,
    "AverageEventProcessor":6,
    "AverageWorkingRunner":6,
    "CachedProcDefs":0,
    "CachedProcInsts":0,
    "CapEventProcessor":10,
    "CapWorkingRunner":10,
    "CurrentDatabaseConnections":152,
    "CurrentEventProcessor":6,
    "CurrentWorkingRunner":6,
    "HighPriorityEventQueueLength":0,
    "LowPriorityEventQueueLength":0,
    "MaxDatabaseConnections":153,
    "MaxEventProcessingTime":764.4013,
    "MaxEventProcessor":6,
    "MaxPoolSize":100,
    "MaxProcInstCache":2147483647,
    "MaxWorkingRunner":6,
    "MemoryAllocated":13234,
    "MinEventProcessingTime":0,
    "MinEventProcessor":5,
    "MinWorkingRunner":5,
    "NormalPriorityEventQueueLength":0,
    "ServerID": "mydomain\2664"
  }
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Get System User

API Type

REST

HTTP Method

GET

Description

Retrieves the user name of the AgilePoint System User.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/GetSystemUser

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/GetSystemUser

Request Parameters

Name	Description
None	Not Applicable

JavaScript Code Example

```
$("#btnGetSystemUser").click(function () {  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/GetSystemUser",  
        type: "GET"  
    });  
  
});
```

Java Code Example

```
public String GetSystemUser() {  
  
    String URI = "https://mydomain:9011/AgilePointServer/Admin/GetSystemUser";  
  
    HTTPOperations ops = new HTTPOperations(domain, userName,  
        password, appID, locale);  
  
    return ops.GETMethod(URI);  
}
```

C# Code Example

```
public string GetSystemUser()  
{  
    string URI = "https://mydomain:9011/AgilePointServer/Admin/GetSystemUser";  
  
    HTTPOperations ops = new HTTPOperations(domain, this.userName,  
        password, appID, locale);  
  
    return ops.GetData(URI);  
}
```

Output

Returns the name of the system user as a string value.

JSON Response Body Example

```
{
  "GetSystemUserResult": "Administrator"
}
```

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Query Registered Users Using SQL

API Type

REST

HTTP Method

POST

Description

Queries a list of registered users in AgilePoint NX using a specified [WHERE clause](#) of an SQL query expression.

Good to Know

- Only pass the WHERE clause without WHERE keyword, not the whole query.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/QueryRegisterUsersUsingSQL

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/QueryRegisterUsersUsingSQL

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
sqlWhereClause	<p><u>Description:</u></p> <p>The where clause of the SQL statement you want to query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>The where clause of a SQL statement.</p>

JavaScript Code Example

```
$("#btnQueryRegisterUsersUsingSQL").click(function () {
    var JSONObject = { sqlWhereClause:
        "WF_REG_USERS.MANAGER='mydomain\\susan.miller'" };
});
```

```
$.ajax({
    url: "https://mydomain:9011/AgilePointServer/Admin/QueryRegisterUsersUsingSQL",
    data: JSON.stringify(JSONObject)
});

});
```

Java Code Example

```
public String QueryRegisterUsersUsingSQL() {

    String URI =
    "https://mydomain:9011/AgilePointServer/Admin/QueryRegisterUsersUsingSQL";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("sqlWhereClause",
        "WF_REG_USERS.MANAGER='mydomain\\susan.miller'");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string QueryRegisterUsersUsingSQL()
{
    string URI =
    "https://mydomain:9011/AgilePointServer/Admin/QueryRegisterUsersUsingSQL";

    string jsonRequestData =
    "{ \"sqlWhereClause\": \"WF_REG_USERS.MANAGER='mydomain\\susan.miller'\" }";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"sqlWhereClause\":
      \"WF_REG_USERS.USER_NAME='mydomain\\brian.lucas'\"}
      https://mydomain:9011/AgilePointServer/Admin/
      QueryRegisterUsersUsingSQL
```

Output

An array of registered users.

JSON Response Body Example

```
[{
  "Department": "Administrator"
  "EmailAddress": "admin@mycompany.com"
  "FullName": "administrator"
  "Locale": "en-US"
  "Manager": "mydomain\susan.miller"
  "OnlineContact": "admin@mycompany.com"
  "RefID": ""
  "RegisteredDate": "\/Date(928149600000)\/"
  "TimeZone": ""
  "Title": ""
  "UALExpirationDate": " \/Date(928149600000)\/"
  "UALNeverExpires": false
  "UserName": "mydomain\administrator"
}]
```

Supported Versions

AgilePoint v5.0 R2 and higher

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Register New User

API Type

REST

HTTP Method

POST

Description

Registers a new user in the AgilePoint system.

URL Format (OnPremises, Private Cloud)

`https://[domain]:[port]/AgilePointServer/Admin/RegisterUser`

URL Format (OnDemand)

`https://[domain]:[port]/AgilePointService/Admin/RegisterUser`

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Department	<p><u>Description:</u> Gets and sets department of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid department name.</p>
EEmailAddress	<p><u>Description:</u> Gets and sets the user's e-mail address.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid e-mail address.</p>
FullName	<p><u>Description:</u> Specifies the full name of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Name	Description
	<p>One line of text (a string).</p> <p>Accepted:</p> <ul style="list-style-type: none"> • Letters • Numbers • Spaces
Locale	<p><u>Description:</u></p> <p>Specifies the client locale.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid locale in standardized format.</p> <p><u>Example:</u></p> <p>en-US</p>
Manager	<p><u>Description:</u></p> <p>Specifies the manager of the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>
OnlineContact	<p><u>Description:</u></p> <p>Gets and sets online contact of the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Name	Description
	A valid contact.
RefID	<p><u>Description:</u> Specifies the reference ID for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid reference ID.</p>
RegisteredDate	<p><u>Description:</u> Gets and sets date registered.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
TimeZone	<p><u>Description:</u> Specifies the user's time zone.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time zone.</p>
Title	<p><u>Description:</u> Specifies the job title of the user.</p> <p><u>Type</u> string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>One line of text (a string).</p> <p>Accepted:</p> <ul style="list-style-type: none"> • Letters • Numbers • Spaces
UALExpirationDate	<p><u>Description:</u></p> <p>Specifies the user's UAL expiration.</p> <p><u>Type</u></p> <p>DateTime</p> <p><u>Allowed Values:</u></p> <p>A valid DateTime value.</p>
UALNeverExpires	<p><u>Description:</u></p> <p>Specifies whether UAL for the user expires.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The UAL for the user expires. • False - The UAL for the user does not expire.
UserName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p>

Name	Description
	<p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

JavaScript Code Example

```

$("#btnRegisterUser").click(function () {
    var JSONObject = {
        Department: "HR",
        EMailAddress: "Bob@tusca.com",
        FullName: "Bob",
        Locale: "en-US",
        Manager: "mydomain\\Bill",
        OnlineContact: "",
        RefID: "",
        RegisteredDate: "\\Date(928149600000+0000)\\",
        TimeZone: "",
        Title: "",
        UALExpirationDate: "\\Date(928149600000+0000)\\",
        UALNeverExpires: true,
        UserName: "mydomain\\Bob"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/RegisterUser",
        dataType: "text",
        data: JSON.stringify(JSONObject)
    });
});

```

Java Code Example

```

public String RegisterUser() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/RegisterUser";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();

```

```

    postData.put("Department", "HR");
    postData.put("EMailAddress", "Bob@tusca.com");
    postData.put("FullName", "Bob");
    postData.put("Locale", "en-US");
    postData.put("Manager", "mydomain\\Bill");
    postData.put("OnlineContact", "");
    postData.put("RefID", "");
    postData.put("TimeZone", "");
    postData.put("Title", "");
    postData.put("UserName", "mydomain\\Bob");
    postData.put("RegisteredDate", "/"Date("
        + Calendar.getInstance().getTimeInMillis() + ")/");
    postData.put("UALExpirationDate", "/"Date("
        + Calendar.getInstance().getTimeInMillis() + ")/");
    postData.put("UALNeverExpires", "true");

    return ops.POSTMethod(URI, postData.toString());
return "";
}

```

C# Code Example

```

public string RegisterUser()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/RegisterUser";

    string jsonRequestData = "{
        \"Department\": \"\",
        \"EMailAddress\": \"abc@mydomain.com\",
        \"FullName\": \"AmericaBritainCalifornia\",
        \"Locale\": \"\",
        \"Manager\": \"\",
        \"OnlineContact\": \"\",
        \"RefID\": \"\",
        \"RegisteredDate\": \"\\/Date(1357803786593+0530)\\/\",
        \"TimeZone\": \"\",
        \"Title\": \"\",
        \"UALExpirationDate\": \"\\/Date(-6213559680000)\\/\",
        \"UALNeverExpires\": false,
        \"UserName\": \"AP2\\\\"abc\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);
}

```

```
return ops.POSTMethod(URI, jsonREquestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"Department\":"HR",
             "EmailAddress\":"Bob@tusca.com",
             "FullName\":"Bob",
             "Locale\":"en-US",
             "Manager\":"mydomain\Bill",
             "RegisteredDate\":"Date(1499797800000+0000)/",
             "UserName\":"mydomain\Bob"}
      https://mydomain:9011/AgilePointServer/Admin/RegisterUser
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

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Unregister User

API Type

REST

HTTP Method

POST

Description

Permanently removes a user from the AgilePoint system.

Good to Know

- This does not remove the user from the local Windows system or the domain controller.
- If the user has a group task assigned, the user continues to see the task until another group member takes assignment for the task.
- The exception is a Dynamic Group task, which is immediately removed from the user's task list.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/UnregisterUser

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/UnregisterUser

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
userName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

JavaScript Code Example

```
$("#btnUnregisterUser").click(function () {  
  
    var JSONObject = { userName: "sg1" };  
  
    $.ajax({  
        url: "https://mydomain:9011/AgilePointServer/Admin/UnregisterUser",  
        dataType: "text",  
        data: JSON.stringify(JSONObject)  
    });  
  
});
```

Java Code Example

```
public String UnregisterUser() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/UnregisterUser";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("userName", "mydomain\\administrator");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string UnregisterUser()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/UnregisterUser";

    string jasonRequestData = "{\"userName\":\"" + "sg1" + "\"}";

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jasonRequestData);
}
```

cURL Code Example

- ❗ The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"userName\":\"mydomain\\brian.lucas\"}
```

```
https://mydomain:9011/AgilePointServer/Admin/UnregisterUser
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

- [AgilePoint Community Forums](#) - A free, AgilePoint-moderated, crowd-sourcing user forum where you can ask questions about specific techniques, the solutions to use cases, workarounds, or other topics that may not be covered in the Product Documentation.
- [Professional Services](#) - If you can not find the information you need for your specific business problem, mentoring is available through AgilePoint Professional Services.
- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Update Registered User

API Type

REST

HTTP Method

POST

Description

Updates the profile information of a registered user.

URL Format (OnPremises, Private Cloud)

https://[domain]:[port]/AgilePointServer/Admin/UpdateRegisterUser

URL Format (OnDemand)

https://[domain]:[port]/AgilePointService/Admin/UpdateRegisterUser

Request Parameters

Name	Description
None	Not Applicable

Request Body Properties

Name	Description
Department	<p><u>Description:</u> Gets and sets department of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid department name.</p>
EEmailAddress	<p><u>Description:</u> Gets and sets the user's e-mail address.</p> <p><u>Type</u> string</p>

Name	Description
	<p><u>Allowed Values:</u> A valid e-mail address.</p>
FullName	<p><u>Description:</u> Specifies the full name of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One line of text (a string).</p> <p><u>Accepted:</u></p> <ul style="list-style-type: none"> • Letters • Numbers • Spaces
Locale	<p><u>Description:</u> Specifies the client locale.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid locale in standardized format.</p> <p><u>Example:</u> en-US</p>
Manager	<p><u>Description:</u> Specifies the manager of the user.</p> <p><u>Type</u> string</p>

Name	Description
	<p><u>Allowed Values:</u> A valid user name.</p>
OnlineContact	<p><u>Description:</u> Gets and sets online contact of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid contact.</p>
RefID	<p><u>Description:</u> Specifies the reference ID for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid reference ID.</p>
TimeZone	<p><u>Description:</u> Specifies the user's time zone.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time zone.</p>
Title	<p><u>Description:</u> Specifies the job title of the user.</p> <p><u>Type</u></p>

Name	Description
	<p>string</p> <p><u>Allowed Values:</u></p> <p>One line of text (a string).</p> <p><u>Accepted:</u></p> <ul style="list-style-type: none"> • Letters • Numbers • Spaces
UserName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

JavaScript Code Example

```

$("#btnUpdateRegisteredUser").click(function () {
    var JSONObject = {
        Department: "HR",
        EMailAddress: "admin@tusca.com",
        FullName: "Administrator",
        Locale: null,
        Manager: "mydomain\\administrator",
        OnlineContact: null,
        RefID: null,
        TimeZone: null,
        Title: "SHR",
        UserName: "admin"
    };
    $.ajax({
        url: "https://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser",
        dataType: "text",
    });
});

```

```
        data: JSON.stringify(JSONObject)
    });
});
```

Java Code Example

```
public String UpdateRegisterUser() {

    String URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser";

    HTTPOperations ops = new HTTPOperations(domain, userName,
        password, appID, locale);

    JSONObject postData = new JSONObject();
    postData.put("Department", "HR");
    postData.put("EmailAddress", "Bob@tusca.com");
    postData.put("FullName", "Bob");
    postData.put("Locale", "en-US");
    postData.put("Manager", "mydomain\\Bill");
    postData.put("OnlineContact", "");
    postData.put("RefID", "");
    postData.put("TimeZone", "");
    postData.put("Title", "");
    postData.put("UserName", "mydomain\\Bob");

    return ops.POSTMethod(URI, postData.toString());
    return "";
}
```

C# Code Example

```
public string UpdateRegisterUser()
{
    string URI = "https://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser";

    string jsonRequestData = "{
        \"Department\": \"\",
        \"EmailAddress\": \"peter.parker@agilepoint.com\",
        \"FullName\": \"Peter Parker\",
        \"Locale\": \"\",
        \"Manager\": \"\",
        \"OnlineContact\": \"\",
```

```
    \"RefID\": \"\",
    \"TimeZone\": \"\",
    \"Title\": \"\",
    \"UserName\": \"MYDOMAIN\\AAMAadmi\"};

    HTTPOperations ops = new HTTPOperations(domain, this.userName,
        password, appID, locale);

    return ops.POSTMethod(URI, jsonRequestData);
}
```

cURL Code Example

! The authorization code is an example. You must generate your own authorization code in **base64** encoded format with the syntax **Domain\Username:Password**.

```
curl --header "Content-Type: application/json"
      --header "Authorization:Basic QVAtNDI0XEFkbWluOnBhc3M="
      --request POST
      --data {"Department\":\"HR\",
              \"EmailAddress\":\"admin@tusca.com\",
              \"FullName\":\"Administrator\",
              \"Locale\":\"en-US\",
              \"Manager\":\"mydomain\\administrator\",
              \"OnlineContact\":\"\",
              \"RefID\": \"\",
              \"TimeZone\": \"\",
              \"Title\": \"\",
              \"UserName\": \"mydomain\\brian.lucas\"}

https://mydomain:9011/AgilePointServer/Admin/UpdateRegisterUser
```

Output

None.

JSON Response Body Example

The response body is empty.

Supported Versions

AgilePoint v5.0 R2 and higher

Code Examples in the AgilePoint NX Documentation

The AgilePoint NX Product Documentation is intended as a basic reference to help you understand how to complete basic coding tasks, such as make API or JavaScript method calls. Code examples that show specific use cases, the solutions to specific business problems, or detailed implementation scenarios are outside the scope of the AgilePoint NX Product Documentation. For specific and/or advanced types of examples that may better meet your requirements, AgilePoint provides several resources:

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- [Personalized Training](#) - AgilePoint can provide personalized training for your organization. To request personalized training, [contact AgilePoint Sales](#).

Classes

This section includes references for all classes within the AgilePoint REST API.

AddGroupMemberHelper

Syntax

```
public class AddGroupMemberHelper
```

Constructors

```
public AddGroupMemberHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
ClientData	<u>Description:</u> Specifies the client data, which identifies a client for AgilePoint Server.

Property	Description
	<p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that contains the client data. If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Description	<p><u>Description:</u> A description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Enabled	<p><u>Description:</u> Enables or disables an entity.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Enables the entity. • False - Disables the entity.
GroupName	<p><u>Description:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid group name.</p>
UserName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

AddEMailTemplateHelper

Syntax

```
public class AddEMailTemplateHelper
```

Constructors

```
public AddEMailTemplateHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
TemplateOwnerID	<p><u>Description:</u></p> <p>The ID for a process template owner.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid process template owner ID.</p>
MailTemplateXML	<p><u>Description:</u></p> <p>The XML for an email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>Valid XML that represents an email template.</p>

AddRoleMemberHelper

Syntax

```
public class AddRoleMemberHelper
```

Constructors

```
public AddRoleMemberHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Assignee	<p><u>Description:</u></p> <p>The name of the assignee.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name or group name, depending upon the assignee type.</p>
AssigneeType	<p><u>Description:</u></p> <p>The type for the assignee for the task.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • User - Assigns the task to a user. • Group - Assigns the task to a group.
ClientData	<p><u>Description:</u></p>

Property	Description
	<p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that contains the client data. If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
ObjectID	<p><u>Description:</u> Reserved for future use.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A null value.</p>
ObjectType	<p><u>Description:</u> Reserved for future use.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A null value.</p>
RoleName	<p><u>Description:</u> The name of a role.</p> <p><u>Type</u> string</p>

Property	Description
	<u>Allowed Values:</u> A valid role name.

AddUpdateRoleHelper

Syntax

```
public class AddUpdateRoleHelper
```

Constructors

```
public AddUpdateRoleHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
RoleName	<u>Description:</u> The name of a role. <u>Type</u> string <u>Allowed Values:</u>

Property	Description
	A valid role name.
Description	<p><u>Description:</u> A description of an entity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Rights	<p><u>Description:</u> Specifies the rights that are assigned to the Role.</p> <p><u>Type</u> WFAccessRights</p> <p><u>Allowed Values:</u> An array of index values. See the table for appropriate indexes. WFAccessRights provides the enums for rights. See the sample code for more information.</p>
Enabled	<p><u>Description:</u> Enables or disables an entity.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Enables the entity. • False - Disables the entity.

ClientDataHelper

Syntax

```
public class ClientDataHelper
```

Constructors

```
public ClientDataHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
clientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>

CreateLinkedWorkItemHelper

Syntax

```
public class CreateLinkedWorkItemHelper
```

Constructors

```
public CreateLinkedWorkItemHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
bDependent	<p><u>Description:</u></p> <p>Specifies whether the target work item waits for a linked work item to be completed or canceled before moving forward.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p>

Property	Description
	<ul style="list-style-type: none"> • True - The source work item waits until the linked work item is either completed or canceled, before it can be completed or canceled. • False - The source work item can be completed or canceled regardless of whether the linked work item is completed or canceled.
BusinessTime	<p><u>Description:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Description:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p> <p>string</p>

Property	Description
	<p><u>Allowed Values:</u> A valid time duration length.</p>
SourceWorkItemID	<p><u>Description:</u> An ID that represents the original, or source, work item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character ID.</p>
Unit	<p><u>Description:</u> Specifies the unit.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid unit.</p>
UserID	<p><u>Description:</u> Specifies the user ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user ID.</p>
WorkToPerform	<p><u>Description:</u> Represents the task that performed by the participants of the activity.</p> <p><u>Type</u></p>

Property	Description
	<p>string</p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

CreateProInstHelper

Syntax

```
public class CreateProInstHelper
```

Constructors

```
public CreateProInstHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Attributes	<p><u>Description:</u></p> <p>Name-value pairs associated with a custom ID.</p> <p><u>Type</u></p> <p>NameValue</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid custom ID with an associated name.</p>
blnStartImmediately	<p><u>Description:</u></p> <p>An obsolete, legacy parameter that must be true.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <p>True</p>
CustomID	<p><u>Description:</u></p> <p>A work object ID specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>One valid work object ID.</p>
Initiator	<p><u>Description:</u></p> <p>Specifies the user who initiates a process.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>
ProcessID	<p><u>Description:</u></p> <p>The process definition ID for a released process definition.</p> <p><u>Type</u></p>

Property	Description
	<p>string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>
ProcessInstID	<p><u>Description:</u> A process instance ID for the process instance you are creating.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A unique, 32 character process instance ID. If you set this value to null, the AgilePoint Server generates the ID.</p>
ProclnstName	<p><u>Description:</u> A unique process name that is associated with the process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A unique process instance name up to 1024 characters.</p>
SuperProclnstID	<p><u>Description:</u> A process instance ID that acts as a parent process instance of the process instance that is intended to create. In other words, this is the ID of the process instance on which you want to base your new process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character process instance ID.</p>

Property	Description
WorkObjID	<p><u>Description:</u></p> <p>An ID for an object, such as a document, that is associated with the process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 256-character ID.</p> <p>Even though the field size is 256 characters, in common practice, this will usually return a 32-character GUID.</p>
WorkObjInfo	<p><u>Description:</u></p> <p>Usually this parameter is used to hold supplemental information about the work object, such as a URL for a document, within the process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string up to 1024 characters.</p>

CreatePseudoWorkItemHelper

Syntax

```
public class CreatePseudoWorkItemHelper
```

Constructors

```
public CreatePseudoWorkItemHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
bReserved	<p><u>Description:</u></p> <p>Reserved for future use.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <p>A null value</p>
BusinessTime	<p><u>Description:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<p><u>Description:</u></p>

Property	Description
	<p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that contains the client data. If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Description:</u> Specifies the length of time duration.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time duration length.</p>
SourceWorkItemID	<p><u>Description:</u> An ID that represents the original, or source, work item.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-character ID.</p>
Unit	<p><u>Description:</u> Specifies the unit.</p> <p><u>Type</u> string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid unit.</p>
UserID	<p><u>Description:</u></p> <p>Specifies the user ID.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user ID.</p>
WorkToPerform	<p><u>Description:</u></p> <p>Represents the task that performed by the participants of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

CreateWorkItemHelper

Syntax

```
public class CreateWorkItemHelper
```

Constructors

```
public CreateWorkItemHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
ActivityInstanceID	<p><u>Description:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>
BusinessTime	<p><u>Description:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
ClientData	<p><u>Description:</u></p>

Property	Description
	<p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that contains the client data. If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
Length	<p><u>Description:</u> Specifies the length of time duration.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid time duration length.</p>
Unit	<p><u>Description:</u> Specifies the unit.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid unit.</p>
UserID	<p><u>Description:</u> Specifies the user associated with the work item.</p> <p><u>Type</u> string</p>

Property	Description
	<u>Allowed Values:</u> A valid user ID.
WorkToPerform	<u>Description:</u> Represents the task that performed by the participants of the activity. <u>Type</u> string <u>Allowed Values:</u> A valid work to perform name.

GetCustomAttrByNamesHelper

Syntax

```
public class GetCustomAttrByNamesHelper
```

Constructors

```
public GetCustomAttrByNamesHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
AttrNames	<p><u>Description:</u></p> <p>A group of process attributes names.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid process attribute names.</p>
CustomIDs	<p><u>Description:</u></p> <p>Multiple work object IDs specified within a process instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid work object IDs.</p>

GetDelegationsHelper

Syntax

```
public class GetDelegationsHelper
```

Constructors

```
public GetDelegationsHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
FromUser	<p><u>Description:</u> Specifies a user from whom to delegate tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
ToUser	<p><u>Description:</u> Specifies the user who will receive the delegated tasks.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
Status	<p><u>Description:</u> The status of the associated item.</p> <p><u>Type</u></p>

Property	Description
	<p>string</p> <p><u>Allowed Values:</u></p> <p>A valid status.</p>

GetDomainHelper

Syntax

```
public class GetDomainHelper
```

Constructors

```
public GetDomainHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Filter	<p><u>Description:</u></p> <p>A filter term for groups that is wildcard-enabled.</p> <p><u>Type</u></p> <p>string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A string in the format (name=[my wildcard filter]).</p>
LDAPPath	<p><u>Description:</u></p> <p>The LDAP path to the domain.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid LDAP path.</p> <p>If the value is null, the AgilePoint Server machine domain will be used.</p>

GetWorkListByUserIDHelper

Syntax

```
public class GetWorkListByUserIDHelper
```

Constructors

```
public GetWorkListByUserIDHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Status	<p><u>Description:</u></p> <p>The status of the work item.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • New - The work item is in a pool, more than one participant shares the work item and needs to be assigned. • Assigned - The work item is assigned to a participant and needs to be performed. • Removed - The work item was originally in a pool (status is new), and didn't get assigned to the user. • Completed - The work item is completed. • Reassigned - The work item is re-assigned to the other user. • Canceled - The work item is canceled. • Overdue - The work item is overdue. • Carbon - The work item is a carbon copy that does not affect process instance running.
UserName	<p><u>Description:</u></p> <p>Specifies a qualified user name of the instance. A qualified user name formats as [Domain Name]\[Logon Username] or [Local host name]\[Logon Username].</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid user name for a registered AgilePoint user.

GroupHelper

Syntax

```
public class GroupHelper
```

Constructors

```
public GroupHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Description	<p><u>Description:</u></p> <p>A description of an entity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>

Property	Description
Enabled	<p><u>Description:</u></p> <p>Enables or disables an entity.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none">• True - Enables the entity.• False - Disables the entity.
GroupName	<p><u>Description:</u></p> <p>Specifies the name of a group.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid group name.</p>
ResponsibleUser	<p><u>Description:</u></p> <p>The user name for the responsible user of this group.</p> <p>The responsible user must be a registered AgilePoint user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

IWFWorkflowService

Description

A class that provides interfaces for the AgilePoint workflow API on the client side.

Syntax

public interface IWFWorkflowService

Constructors

Not Applicable.

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

IWFTrackingEventPublisher

Description

Provides an interface to publish a process event.

Syntax

public interface IWFTrackingEventPublisher

Constructors

Not Applicable.

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
AppNameFilter	<p><u>Description:</u> Gets the application name filter.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid application name filter.</p>
EventTypeFilter	<p><u>Description:</u> Gets the event type filter.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid event type filter.</p>

KeyValue

Description

A class that represents an object with name and value properties.

Syntax

```
public class KeyValue
```

Constructors

```
public KeyValue();  
public KeyValue(string key, string val);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Key	<p><u>Description:</u></p> <p>Specifies the key of the instance.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid key.
Value	<p><u>Description:</u></p> <p>The value for an item, such as the value for an attribute in a name-value pair.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid string value.</p>

NameValue

Description

A class that represents an object with the name and value properties.

Syntax

```
public class NameValue
```

Constructors

```
public NameValue();
public NameValue(string name,object value);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.Share (in Ascentn.Workflow.Share.dll)

Properties

Property	Description
Name	<p><u>Description:</u></p> <p>The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid name.</p>
Value	<p><u>Description:</u></p> <p>The value for an item, such as the value for an attribute in a key-value pair.</p> <p><u>Type</u></p> <p>object</p> <p><u>Allowed Values:</u></p> <p>A valid object value.</p>

ReassignWorkItemHelper

Syntax

```
public class ReassignWorkItemHelper
```

Constructors

```
public ReassignWorkItemHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
ClientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
UserName	<p><u>Description:</u></p> <p>The user name for the user.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>
WorkItemID	<p><u>Description:</u></p>

Property	Description
	<p>An ID that represents a work item (task).</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, unique 32-byte work item (task) ID.</p>

RegisteredUser

Description

A class that represents an AgilePoint registered user.

Syntax

```
public class RegisteredUser
```

Constructors

```
public RegisteredUser();
public RegisteredUser(string user, string emailAddress, DateTime registeredDate, string fullName);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Department	<p><u>Description:</u> Gets and sets department of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid department name.</p>
EEmailAddress	<p><u>Description:</u> Gets and sets the user's e-mail address.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid e-mail address.</p>
FullName	<p><u>Description:</u> Specifies the full name of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One line of text (a string).</p> <p>Accepted:</p>

Property	Description
	<ul style="list-style-type: none"> • Letters • Numbers • Spaces
Manager	<p><u>Description:</u> Specifies the manager of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name.</p>
RegisteredDate	<p><u>Description:</u> Gets and sets date registered.</p> <p><u>Type</u> DateTime</p> <p><u>Allowed Values:</u> A valid DateTime value.</p>
Title	<p><u>Description:</u> Specifies the job title of the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One line of text (a string).</p> <p>Accepted:</p>

Property	Description
	<ul style="list-style-type: none"> • Letters • Numbers • Spaces
UserName	<p><u>Description:</u></p> <p>Specifies a qualified user name of the instance. A qualified user name formats as [Domain Name]\[Logon Username] or [Local host name]\[Logon Username].</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name for a registered AgilePoint user.</p>

RemoveGroupMemberHelper

Syntax

```
public class RemoveGroupMemberHelper
```

Constructors

```
public RemoveGroupMemberHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
GroupName	<p><u>Description:</u> Specifies the name of a group.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid group name.</p>
UserName	<p><u>Description:</u> The user name for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name for a registered AgilePoint user.</p>

RemoveRoleMemberHelper

Syntax

```
public class RemoveRoleMemberHelper
```

Constructors

```
public RemoveRoleMemberHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Assignee	<p><u>Description:</u> The name of the assignee.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name or group name, depending upon the assignee type.</p>
AssigneeType	<p><u>Description:</u> The type for the assignee for the task.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • User - Assigns the task to a user. • Group - Assigns the task to a group.
ObjectID	<p><u>Description:</u> Reserved for future use.</p>

Property	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A null value.</p>
RoleName	<p><u>Description:</u></p> <p>The name of a role.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid role name.</p>

SendMailHelper

Syntax

```
public class SendMailHelper
```

Constructors

```
public SendMailHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Attachments	<p><u>Description:</u></p> <p>File attachments included with the email.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid path and file name on the AgilePoint Server.</p> <p>This parameter must use a file path from the file system (for example, C:\file.txt) on the machine where AgilePoint Server is installed.</p> <p>If there is no attachment, you can pass null or String.Empty.</p>
Body	<p><u>Description:</u></p> <p>Specifies the body portion of an email.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>Free text.</p>
CC	<p><u>Description:</u></p> <p>Specifies the CC portion of an email.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that includes one or more email addresses in SMTP format.</p>

Property	Description
From	<p><u>Description:</u> Specifies the From portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.</p>
Subject	<p><u>Description:</u> The subject of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> One line of text (a string).</p> <p>Accepted:</p> <ul style="list-style-type: none">• Letters• Numbers• Spaces
To	<p><u>Description:</u> Specifies the To portion of an email.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that includes one or more email addresses in SMTP format.</p>

UpdateEMailTemplateHelper

Syntax

```
public class UpdateEMailTemplateHelper
```

Constructors

```
public UpdateEMailTemplateHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
MailTemplateID	<p><u>Description:</u></p> <p>The unique ID for an email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid mail template ID.</p>
MailTemplateXML	<p><u>Description:</u></p> <p>The XML for an email template.</p>

Property	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>Valid XML that represents an email template.</p>
TemplateModifiedUserName	<p><u>Description:</u></p> <p>Specifies qualified username for the modified email template.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>

UpdateRegisteredUserIconHelper

Syntax

```
public class UpdateRegisteredUserIconHelper
```

Constructors

```
public UpdateRegisteredUserIconHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
UserIcon	<p><u>Description:</u> A byte array representation of icon image.</p> <p><u>Type</u> byte</p> <p><u>Allowed Values:</u> A valid byte array.</p>
userName	<p><u>Description:</u> The user name for the user.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user name for a registered AgilePoint user.</p>

WFAccessRights

Description

A class that represents different types of access rights.

Syntax

```
public enum WFAccessRights
```

Constructors

Not Applicable.

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

WFAgilePart

Description

An abstract class of AgilePart.

Syntax

```
public class WFAgilePart
```

Constructors

```
protected WFAgilePart();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

WFAgilePartDescriptor

Description

An abstract class of WFAgilePartDescriptor.

Syntax

```
public class WFAgilePartDescriptor : WFAutomaticActivityDefinition, IWFPProcessDefinitionReference
```

Constructors

```
public WFAgilePartDescriptor();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
AssemblyName	<p><u>Description:</u></p> <p>Gets and sets the full name of the assembly.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid assembly name.
ClassName	<p><u>Description:</u></p> <p>Gets and sets the class name, including the namespace.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid class name.</p>
Description	<p><u>Description:</u></p> <p>A description of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
DisplayName	<p><u>Description:</u></p> <p>Gets and sets the display name of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid activity display name.</p>
ExpectedDuration	<p><u>Description:</u></p> <p>Specifies an expected time duration of the activity.</p> <p><u>Type</u></p> <p>WFTimeDuration</p>

Property	Description
	<p><u>Allowed Values:</u> A valid WFTimeDuration object.</p>
ID	<p><u>Description:</u> Specifies the activity ID.</p> <p><u>Type</u> WFTimeDuration</p> <p><u>Allowed Values:</u> A valid activity ID.</p>
IncomingActivities	<p><u>Description:</u> Gets the interfaces for all the incoming activities.</p> <p><u>Type</u> WFTimeDuration</p> <p><u>Allowed Values:</u> A valid WFTimeDuration object.</p>
IncomingEmail	<p><u>Description:</u> Specifies an email template that used for an email notification after the start of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
IncomingMailTemplate	<p><u>Description:</u> Specifies an email template that used for an email notification after the start of the activity.</p>

Property	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
Index	<p><u>Description:</u></p> <p>Specifies the ordering index of the activity.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>An integer.</p>
Item	<p><u>Description:</u></p> <p>Specifies the value associated with the specified parameter name.</p> <p><u>Type</u></p> <p>object</p> <p><u>Allowed Values:</u></p> <p>A valid Types object.</p>
Method	<p><u>Description:</u></p> <p>Specifies the name of the method for the AgilePart.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid method name.</p>
Name	<p><u>Description:</u></p>

Property	Description
	<p>The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid name.</p>
OutgoingActivities	<p><u>Description:</u> Gets the interfaces for all the outgoing activities.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid interface.</p>
OutgoingEmail	<p><u>Description:</u> Specifies an email template that used for email notification after the completion of an activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
OutgoingMailTemplate	<p><u>Description:</u> Specifies an email template to use for email notification when leaving the activity.</p> <p><u>Type</u> string</p>

Property	Description
	<p><u>Allowed Values:</u> A valid email template.</p>
Procedure	<p><u>Description:</u> Specifies the name of the procedure (method).</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid procedure name.</p>
Process	<p><u>Description:</u> Gets the interface class and sets the process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition.</p>
SaveErrorMessageTo	<p><u>Description:</u> Specifies an attribute name for an error message of the AgilePart execution.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid attribute name.</p>
SaveStatusTo	<p><u>Description:</u> Specifies an attribute name for the status of the AgilePart execution.</p>

Property	Description
	<p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid name of an attribute that is boolean type.</p>
Synchronous	<p><u>Description:</u> Specifies the flag to determine if this is a synchronous call.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The call is synchronous. • False - The call is asynchronous.
TimeoutActivities	<p><u>Description:</u> Gets the interfaces for all the timeout activities.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid interface.</p>
TimeoutMailTemplate	<p><u>Description:</u> Specifies an email template that used for email notification when the activity is overdue.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid email template.
WaitAllIncoming	<p><u>Description:</u></p> <p>Gets and sets the flag to determine whether the activity must wait until all predecessor activities complete.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The activity waits until all predecessor activities complete. • False - The activity starts without waiting for predecessor activities complete.

WFAgileWork

Description

An abstract class of WFAgileWork.

Syntax

```
public class WFAgileWork
```

Constructors

```
protected WFAgileWork(WFProcessInstance currentProcessInstance, WFManualActivityInstance currentActivityInstance);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

WFAgileWorkDescriptor

Description

An abstract class of WFAgileWorkDescriptor Custom properties format: [Prefix]:[Assembly Information]: [Class Name]:[Parameter].

Syntax

```
public class WFAgileWorkDescriptor : WFManualActivityDefinition, IWFPProcessDefinitionReference
```

Constructors

```
public WFAgileWorkDescriptor();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
AssemblyName	<p><u>Description:</u></p> <p>Gets and sets the full name of the assembly.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid assembly name.</p>
AutoComplete	<p><u>Description:</u></p> <p>Gets and sets the flag that determines whether the work item is automatically marked as completed.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The work item is completed automatically. • False - The work item is not completed automatically.
ClassName	<p><u>Description:</u></p> <p>Gets and sets the class name, including the namespace.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid class name.</p>
CustomProperties	<p><u>Description:</u></p>

Property	Description
	<p>Specifies the custom properties. This member supports the Agile-Point Framework infrastructure and does not intend to use directly from your code.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid custom properties.</p>
Description	<p><u>Description:</u> A description of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
DisplayName	<p><u>Description:</u> Gets and sets the display name of the activity.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid activity display name.</p>
ExpectedDuration	<p><u>Description:</u> Specifies an expected time duration of the activity.</p> <p><u>Type</u> WFTimeDuration</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid WFTimeDuration object.
ID	<p><u>Description:</u></p> <p>Specifies the activity ID.</p> <p><u>Type</u></p> <p>WFTimeDuration</p> <p><u>Allowed Values:</u></p> <p>A valid activity ID.</p>
IncomingActivities	<p><u>Description:</u></p> <p>Gets the interfaces for all the incoming activities.</p> <p><u>Type</u></p> <p>WFTimeDuration</p> <p><u>Allowed Values:</u></p> <p>A valid WFTimeDuration object.</p>
IncomingEmail	<p><u>Description:</u></p> <p>Specifies an email template that used for an email notification after the start of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
IncomingMailTemplate	<p><u>Description:</u></p> <p>Specifies an email template that used for an email notification after the start of the activity.</p> <p><u>Type</u></p>

Property	Description
	<p><code>string</code></p> <p><u>Allowed Values:</u> A valid email template.</p>
Index	<p><u>Description:</u> Specifies the ordering index of the activity.</p> <p><u>Type</u> <code>int</code></p> <p><u>Allowed Values:</u> An integer.</p>
Item	<p><u>Description:</u> Specifies the value associated with the specified parameter name.</p> <p><u>Type</u> <code>object</code></p> <p><u>Allowed Values:</u> A valid Types object.</p>
MaxParticipant	<p><u>Description:</u> Specifies the maximum participants for the activity.</p> <p><u>Type</u> <code>int</code></p> <p><u>Allowed Values:</u> An integer.</p>
Name	<p><u>Description:</u> The name of an item, such as a property or attribute in a name/value pair.</p>

Property	Description
	<p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid name.</p>
Optional	<p><u>Description:</u></p> <p>Gets and sets the flag to indicate if the activity is optional.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The activity is optional. • False - The activity is not optional.
OutgoingActivities	<p><u>Description:</u></p> <p>Gets the interfaces for all the outgoing activities.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid interface.</p>
OutgoingEmail	<p><u>Description:</u></p> <p>Specifies an email template that used for email notification after the completion of an activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid email template.
OutgoingMailTemplate	<p><u>Description:</u></p> <p>Specifies an email template to use for email notification when leaving the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
Participant	<p><u>Description:</u></p> <p>Specifies the participant of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>
Participants	<p><u>Description:</u></p> <p>Specifies the participants of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid multiple user names separated with a semicolon (;).</p>
Process	<p><u>Description:</u></p> <p>Gets the interface class and sets the process definition.</p> <p><u>Type</u></p> <p>string</p>

Property	Description
	<p><u>Allowed Values:</u> A valid process definition.</p>
ReassigningEmail	<p><u>Description:</u> Specifies the email template that used for an email notification when task is reassigned.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
ReassigningMailTemplate	<p><u>Description:</u> Specifies the email template for task reassignment.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
RemindingEmail	<p><u>Description:</u> Specifies an email template that used for reminding email notification.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid email template.</p>
RemindingMailAtBusinessTime	<p><u>Description:</u></p>

Property	Description
	<p>Gets and sets the flag that determines whether reminding an email must send in business time.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - Reminding emails are sent using business time. • False - Reminding email are sent using real time.
RemindingMailFrequency	<p><u>Description:</u></p> <p>Specifies the frequency of reminding an email notification.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>An integer.</p>
RemindingMailStartTime	<p><u>Description:</u></p> <p>Specifies the start time in minutes of reminding an email notification before the task expires.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>An integer.</p>
RemindingMailTemplate	<p><u>Description:</u></p> <p>Specifies the email template for task reminder emails.</p> <p><u>Type</u></p> <p>int</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid email template.</p>
ReuseParticipant	<p><u>Description:</u></p> <p>Gets and sets the flag that determines whether the participants must remain the same when the activity activated more than one time.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The participants remains the same when the activity activated more than one time. • False - The participants do not remain the same when the activity activated more than one time.
TimeoutActivities	<p><u>Description:</u></p> <p>Gets the interfaces for all the timeout activities.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid interface.</p>
TimeoutEmail	<p><u>Description:</u></p> <p>Specifies the email template to use for email notification when task is Overdue.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>

Property	Description
TimeoutMailTemplate	<p><u>Description:</u></p> <p>Specifies an email template that used for email notification when the activity is overdue.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid email template.</p>
WaitAllIncoming	<p><u>Description:</u></p> <p>Gets and sets the flag to determine whether the activity must wait until all predecessor activities complete.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The activity waits until all predecessor activities complete. • False - The activity starts without waiting for predecessor activities complete.
WaitWorkPerformed	<p><u>Description:</u></p> <p>Specifies whether the activity must be marked as completed by the application before proceeding.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The activity must complete before proceeding. • False - The activity can proceed without waiting.

Property	Description
WorkPerformer	<p><u>Description:</u></p> <p>Specifies the WorkPerformer/job of the manual activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid WorkPerformer/job name.</p>
WorkToPerform	<p><u>Description:</u></p> <p>Represents the task that performed by the participants of the activity.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid work to perform name.</p>

WFAny

Description

A class that represents a primitive data type with type code.

Syntax

```
public class WFAny
```

Constructors

```
public WFAny();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Type	<p><u>Description:</u></p> <p>Gets and sets the type of a WFAny object.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>An integer.</p>
Value	<p><u>Description:</u></p> <p>The value for an item, such as the value for an attribute in a key-value pair.</p> <p><u>Type</u></p> <p>object</p> <p><u>Allowed Values:</u></p> <p>A valid object value.</p>

WFEvent

Description

A class that represents a workflow event.

Syntax

```
public class WFEvent
```

Constructors

```
public WFEvent();  
public WFEvent(string name);  
public WFEvent(string sender, string name);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
ActivityInstID	<p><u>Description:</u></p> <p>The unique ID for an activity instance.</p> <p><u>Type</u></p> <p>string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid activity instance ID.</p>
AutoStart	<p><u>Description:</u></p> <p>Specifies if the process starts immediately after it is created.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The process instance starts immediately after it is created. • False - The process instance does not start immediately after it is created.
clientData	<p><u>Description:</u></p> <p>Specifies the client data, which identifies a client for AgilePoint Server.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that contains the client data.</p> <p>If this value is null, the system will keep existing client data. Otherwise the relevant data is overwritten.</p>
CustomAttributes	<p><u>Description:</u></p> <p>Specifies custom attributes in XML format.</p> <p><u>Type</u></p> <p>NameValue</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid NameValue pair.
Designated	<p><u>Description:</u></p> <p>Gets and sets the flag that determines if the event should be handled by a designated engine.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The event is handled by a designated engine. • False - The event is not handled by a designated engine.
Diagnostic	<p><u>Description:</u></p> <p>Gets and sets the flag that determines if the process data will be deleted from the database after the process is completed.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The process data is deleted from the database. • False - The process data is not deleted from the database.
EndDate	<p><u>Description:</u></p> <p>Specifies the completion date of delegation.</p> <p><u>Type</u></p> <p>DateTime</p> <p><u>Allowed Values:</u></p> <p>A valid DateTime value.</p>
Entries	<p><u>Description:</u></p>

Property	Description
	<p>Gets the relay time of the event.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid relay time.</p>
Error	<p><u>Description:</u></p> <p>Gets and sets the error message of the event.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid error message.</p>
EventID	<p><u>Description:</u></p> <p>Specifies a unique ID for an event.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique, 32-character ID.</p>
EventName	<p><u>Description:</u></p> <p>Specifies the name of the event.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid event name.</p>

Property	Description
ParamsXml	<p><u>Description:</u> Gets and sets the parameters as XML.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A parameter.</p>
ParentProclnstID	<p><u>Description:</u> Specifies parent process instance ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process instance ID.</p>
ProcDefID	<p><u>Description:</u> Specifies process template (process definition) ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>
ProclnstID	<p><u>Description:</u> Specifies the unique ID of a process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid process instance ID
ProclnstName	<p><u>Description:</u></p> <p>A unique process name that is associated with the process definition.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A unique process instance name up to 1024 characters.</p>
Sender	<p><u>Description:</u></p> <p>Specifies a sender of the event.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid user name.</p>
SentDate	<p><u>Description:</u></p> <p>Specifies a sent date of the event.</p> <p><u>Type</u></p> <p>DateTime</p> <p><u>Allowed Values:</u></p> <p>A valid DateTime value.</p>
SourceWorkItemID	<p><u>Description:</u></p> <p>An ID that represents the original, or source, work item.</p> <p><u>Type</u></p> <p>string</p>

Property	Description
	<p><u>Allowed Values:</u> A valid, unique 32-character ID.</p>
Status	<p><u>Description:</u> The status of the event.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid status.</p>
ThrowAwayInstance	<p><u>Description:</u> Specifies the flag that determines if AgilePoint server should clear the process from cache.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - AgilePoint Server clears the process from the cache. • False - AgilePoint Server does not clear the process from cache.
UserID	<p><u>Description:</u> Specifies the user ID.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid user ID.</p>
WorkItemID	<p><u>Description:</u></p>

Property	Description
	<p>An ID that represents a work item (task).</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 32-byte work item (task) ID.</p>
workObjectID	<p><u>Description:</u> An ID for an object, such as a document, that is associated with the process instance.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid, unique 256-character ID. Even though the field size is 256 characters, in common practice, this will usually return a 32-character GUID.</p>

WFIntegratedApplication

Description

A class that represents an integrated application, such as an AgileConnector.

Syntax

```
public class WFIntegratedApplication : IWFIntegratedApplication
```

Constructors

```
public WFIntegratedApplication();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
AppEventKind	<p><u>Description:</u></p> <p>Specifies the type of application event.</p> <p><u>Type</u></p> <p>IWFWorkflowService</p> <p><u>Allowed Values:</u></p> <p>A valid application event.</p>
AppName	<p><u>Description:</u></p> <p>Specifies the name of the application.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid, case-sensitive application name.</p>
Category	<p><u>Description:</u></p> <p>Gets and sets a category name.</p> <p><u>Type</u></p>

Property	Description
	<p>string</p> <p><u>Allowed Values:</u> A valid category name.</p>
CustomConfiguration	<p><u>Description:</u> Gets and sets custom configuration settings.</p> <p><u>Type</u> System.Xml.NodeList</p> <p><u>Allowed Values:</u> A valid set of custom configuration settings.</p>
Description	<p><u>Description:</u> A description of the application.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
Impersonator	<p><u>Description:</u> Specifies a user name of an impersonator user account.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid impersonator user name.</p>

WFPartialRollbackInstruction

Description

A class that provides instructions for activating activity instances.

Syntax

```
public class WFPartialRollbackInstruction
```

Constructors

```
public WFPartialRollbackInstruction();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
PartialRollbackUnits	<p><u>Description:</u></p> <p>An array of instances of the PartialRollbackUnit class.</p> <p><u>Type</u></p> <p>PartialRollbackUnit</p> <p><u>Allowed Values:</u></p>

Property	Description
	One or more PartialRollbackUnit objects.

WFIntegratedApplicationDescriptor

Description

An abstract class that describes the global control module.

Syntax

```
public class WFIntegratedApplicationDescriptor : IWFIntegratedApplicationDescriptor
```

Constructors

```
public WFIntegratedApplicationDescriptor(string integratedApplicationsXML);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
integratedApplications-Xml	<p><u>Description:</u></p> <p>Gets the configuration settings for the integrated application.</p> <p><u>Type</u></p>

Property	Description
	<code>string</code> <u>Allowed Values:</u> Valid configuration settings.

WFProcessMergingInstruction

Description

A class that provides instructions for merging process instances during runtime.

Syntax

```
public class WFProcessMergingInstruction
```

Constructors

Not Applicable.

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
MergingProcessInstanceIDs	<p><u>Description:</u></p> <p>An array that includes the process instance IDs of the process instances you are merging.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>An array of valid process instance IDs.</p>
MergedProcessInstance	<p><u>Description:</u></p> <p>An instance of the MergedProcess Parameter class that includes the merged process instance.</p> <p><u>Type</u></p> <p>MergedProcessParameter</p> <p><u>Allowed Values:</u></p> <p>A valid An MergedProcess Parameter object.</p>

WFProcessMigrationInstruction

Description

A class that provides instructions for merging process instances during runtime.

Syntax

```
public class WFProcessMigrationInstruction
```

Constructors

Not Applicable.

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
MatchingActivityDefinition	<p><u>Description:</u> Specifies information for activity migration.</p> <p><u>Type</u> class</p> <p><u>Allowed Values:</u> A valid class.</p>
SourceProcessDefinitionID	<p><u>Description:</u> The ID of the original, or source, process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>

Property	Description
TargetProcessDefinitionID	<p><u>Description:</u> The ID of the target, or destination, process definition.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid process definition ID.</p>
Action	<p><u>Description:</u> Specifies the migration action.</p> <p><u>Type</u> MigrationAction</p> <p><u>Allowed Values:</u> A valid migration action.</p>
IncludeXmlData	<p><u>Description:</u> Specifies whether a migration includes XML data.</p> <p><u>Type</u> bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The migration includes an XML data. • False - The migration does not include an XML data.

WFProcessPluggableAdapter

Description

A class that represents an AgileExtender.

Syntax

```
public WFProcessPluggableAdapter
```

Constructors

```
public WFProcessPluggableAdapter(WFProcessInstance currentProcessInstance)
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
ComponentTypeID	<p><u>Description:</u></p> <p>Specifies a unique type ID of an Agile Extender.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid type ID for your AgileExtender.
Name	<p><u>Description:</u></p> <p>Specifies the name of an AgileExtender.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid AgileExtender name.</p>
DisplayName	<p><u>Description:</u></p> <p>Gets and sets the display name of an AgileExtender.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid AgileExtender display name.</p>
Description	<p><u>Description:</u></p> <p>A description of an AgileExtender.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A string that can contain spaces and special characters.</p>
AssemblyFullName	<p><u>Description:</u></p> <p>Gets the full name of an AgileExtender assembly.</p> <p><u>Type</u></p> <p>string</p>

Property	Description
	<p><u>Allowed Values:</u></p> <p>A valid AgileExtender assembly name.</p>
ClassName	<p><u>Description:</u></p> <p>Gets the type of the AgileExtender.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid AgileExtender type.</p>
ProcessInstance	<p><u>Description:</u></p> <p>Gets a runtime process instance object.</p> <p><u>Type</u></p> <p>WFProcessInstance</p> <p><u>Allowed Values:</u></p> <p>A WFProcessInstance object.</p>

WFProcessPluggableAdapterDescriptor

Description

A Design Time supporting class for Agile Extender. This Design Time class extends the class WFProcessPluggableAdapterDescriptor.

Syntax

```
public partial class MyAgileExtenderDescriptor : WFProcessPluggableAdaptterDescriptor
```

Constructors

```
public WFProcessPluggableAdaptterDescriptor()
public WFProcessPluggableAdaptterDescriptor(bool designTime)
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
ComponentTypeID	<p><u>Description:</u> Specifies a unique type ID of an Agile Extender.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid type ID for your AgileExtender.</p>
Name	<p><u>Description:</u> Specifies the name of an AgileExtender.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid AgileExtender name.</p>

Property	Description
DisplayName	<p><u>Description:</u> Gets and sets the display name of an AgileExtender.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid AgileExtender display name.</p>
Description	<p><u>Description:</u> A description of an AgileExtender.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A string that can contain spaces and special characters.</p>
AssemblyFullName	<p><u>Description:</u> Gets the full name of an AgileExtender assembly.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid AgileExtender assembly name.</p>
ClassName	<p><u>Description:</u> Gets the type of the AgileExtender.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u></p>

Property	Description
	A valid AgileExtender type.
Process	<p><u>Description:</u></p> <p>Gets the interface class and sets the process definition.</p> <p><u>Type</u></p> <p>IWFProcessDefinition</p> <p><u>Allowed Values:</u></p> <p>A IWFProcessDefinition class.</p>
DesignTime	<p><u>Description:</u></p> <p>Specifies whether the object is used at design time.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The object is used at design time. • False - The object is not used at design time.

WFQueryExpr

Description

A class that represents a query expression object.

Syntax

```
public class WFQueryExpr
```

Constructors

```
public WFQueryExpr();
public WFQueryExpr(string columnName, int op, WFAny any, bool val);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Any	<p><u>Description:</u> Gets and sets the WFAny object to be compared.</p> <p><u>Type</u> WFAny</p> <p><u>Allowed Values:</u> A valid WFAny object.</p>
ColumnName	<p><u>Description:</u> Gets and sets the associated database column name.</p> <p><u>Type</u> string</p> <p><u>Allowed Values:</u> A valid database column name.</p>

Property	Description
IsValue	<p><u>Description:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p> <p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.
Name	<p><u>Description:</u></p> <p>The name of an item, such as a property or attribute in a name/value pair.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid name.</p>
Operator	<p><u>Description:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>

WFQueryExprHelper

Syntax

```
public class WFQueryExprHelper
```

Constructors

```
public WFQueryExprHelper();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
ColumnName	<p><u>Description:</u></p> <p>Gets and sets the associated database column name.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid database column name.</p>
IsValue	<p><u>Description:</u></p> <p>Gets and sets the flag that indicates if it compares a value or column of the table.</p>

Property	Description
	<p><u>Type</u></p> <p>bool</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - It compares a value or column of the table. • False - It does not compare a value or column of the table.
Operator	<p><u>Description:</u></p> <p>Specifies the operator used for comparison.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid operator.</p>
WhereClause	<p><u>Description:</u></p> <p>Sets the conditions against a query.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid SQL WHERE clause.</p>

WFProcessSplittingInstruction

Description

A class that provides instructions for splitting a process instance during runtime.

Syntax

```
public class WFProcessSplittingInstruction
```

Constructors

Not Applicable.

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
SplitProcessInstances	<p><u>Description:</u></p> <p>An array of instances of the SplitProcessParameter class.</p> <p><u>Type</u></p> <p>SplitProcessParameter</p> <p><u>Allowed Values:</u></p> <p>A valid SplitProcessParameter object.</p>

WFTimeDuration

Description

A class that represents Time Duration with length, time unit, and business time.

Syntax

```
public class WFTimeDuration : Serializable
```

Constructors

```
public WFTimeDuration();  
public WFTimeDuration(string length, WFTimeUnit unit, bool b);  
public WFTimeDuration(int length, WFTimeUnit unit, bool b);
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
BusinessTime	<p><u>Description:</u></p> <p>Determines whether the system calculates the duration using your business time calendar.</p> <p><u>Type</u></p> <p>bool</p>

Property	Description
	<p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • True - The system calculates duration using business time. • False - The calculates the duration based on real time.
Length	<p><u>Description:</u></p> <p>Specifies the length of time duration.</p> <p><u>Type</u></p> <p>string</p> <p><u>Allowed Values:</u></p> <p>A valid time duration length.</p>
Unit	<p><u>Description:</u></p> <p>Specifies the time unit.</p> <p><u>Type</u></p> <p>WFTimeUnit</p> <p><u>Allowed Values:</u></p> <ul style="list-style-type: none"> • hour • day • week • month • year

WFTimeUnit

Description

A class that represents time unit.

Syntax

```
public class WFTimeUnit
```

Constructors

```
public WFTimeUnit();
```

Namespace and Assembly

Requirement	Value
Namespace	Ascentn.Workflow.Base
Assembly	Ascentn.Workflow.WFBase (in Ascentn.Workflow.WFBase.dll)

Properties

Property	Description
Value	<p><u>Description:</u></p> <p>The value for an item expressed as an integer, such as a time unit.</p> <p><u>Type</u></p> <p>int</p> <p><u>Allowed Values:</u></p>

Property	Description
	An integer.

Data Types

A list of all data types used in the AgilePoint Web Service API. Common types refer to the documentation on msdn.com

Name	Description
bool	See the documentation on MSDN .
byte	See the documentation on MSDN .
DateTime	See the documentation on MSDN .
enum	See the documentation on MSDN .
Guid	Instantiates the Guid class.
int	See the documentation on MSDN .
IWFProcessDefinition	Instantiates the IWFProcessDefinition class.
IWFWorkflowService	Instantiates the IWFWorkflowService class.
JSON String	See the documentation on MSDN .
KeyValue	Instantiates the KeyValue class.
List	See the documentation on MSDN .
MergedProcessParameter	Instantiates the MergedProcessParameter class.
MigrationAction	Instantiates the MigrationAction class.
NameValue	Instantiates the NameValue class.
object	See the documentation on MSDN .
PartialRollbackUnit	Instantiates the PartialRollbackUnit class.
RegisteredUser	Instantiates the RegisteredUser class.
SplitProcessParameter	Instantiates the SplitProcessParameter class.
String	See the documentation on MSDN .
WFAccessRights	Instantiates the WFAccessRights class.
WFAny	Instantiates the WFAny class.

Name	Description
WFEvent	Instantiates the WFEvent class.
WFProcessInstance	Instantiates the WFProcessInstance class.
WFQueryExpr	Instantiates the WFQueryExpr class.
WFTimeDuration	Instantiates the WFTimeDuration class.
WFTimeUnit	See the documentation on MSDN .