

## Business Challenge

Running financial, risk and catastrophe modelling workloads on-premises presents significant challenges such as:

- Prolonged execution times
- Complex capacity planning
- A high total cost of ownership (TCO)
- Significant maintenance burden

Migrating to cloud can be a daunting journey. *But what if you had a compass?*

Our modelling accelerator provides a risk-free environment for workload evaluation, offering solid performance metrics and cost insights.

## How We Help

Our modelling accelerator is a timeboxed program utilising our cloud native modelling components and expertise. This is suitable for those looking to move modelling workloads to cloud or looking to optimise existing on cloud deployments.

## How It Works



We begin with a **discovery workshop** to assess the suitability of the proposed workload and determine the scope of work, technical architecture, data security requirements, and KPIs.

During the **evaluation** phase, we migrate and modernise key elements of the workload, ensuring that the required KPIs, cost and scalability metrics are measured.

We produce an **analysis report** with the measured KPIs and a go-forward plan to move the workload fully to production. Post-accelerator, we support your full-scale transition through strategic consultancy or hands-on implementation.

## Benefits

-  **Unconstrained Parallel Execution**  
Remove resource contention issues and capacity planning.
-  **Improved Rollup Efficiency, Elastic Scaling On Demand**  
Compute resource scales in line with business needs.
-  **Reduced TCO**  
Transparent insights into costs; optimise price/performance and only pay for what you use. No servers to manage.
-  **Dramatically Reduced Code & Infrastructure**  
Less code, fewer bugs, reduced maintenance overhead
-  **Scale to Zero**  
Reduced run cost and carbon footprint by moving from always on grids to compute on demand.



## Proven Results

Problem:

- Global risk analysis platform
- Legacy on-prem compute grid
- Contention and execution times constrain business growth

Outcomes:

- Significant performance boosts
- Delivered true horizontal scale
- TCO reduction
- Execution times cut by 90%
- Codebase reduction of 70%
- On-demand scaling
- Pay per use
- CO2 emissions cut in half
- Extended time horizon for modelling enabled

## Get Started

To learn more about this offering and how to begin, contact [hello@fourtheorem.com](mailto:hello@fourtheorem.com)



- Advanced Tier Services
- AWS Lambda Delivery
- AWS ECS Delivery
- Migration Services
- Serverless Hero