Financial Risk Modelling: Cloud Performance & Scale

**Case Study**

Financial risk modelling is a much sought-after function for many businesses across the financial services sector. In fact, by 2022 the predictive analytics market is projected to be worth $10.95 billion. With the right technology and algorithms, these models can help to predict customer outcomes, streamline processes, and enable better, more risk-aware business decisions.

**The Challenges**

- A large financial company had legacy Linux operating systems running outdated and unsupported versions with respect to financial risk modelling applications
- Inflexible vendor contracts to maintain IT Infrastructure
- A weak business continuity and disaster recovery position

**The Solution**

- Completed Minimum Viable Cloud in Azure and built a fully functioning hybrid cloud environment
- Re-architected the complex algorithmic risk modelling application to run on Azure
- Revamped the application against the previous environment and discovered that Azure outperformed it in every way

**The Approach**

- Assessed the growing needs of the client's business
- Laid out a plan to re-house their existing predictive data modelling architecture in the Microsoft Cloud to overcome the limitations of the existing infrastructure
- Built a business case around specific outcomes
- Created a clear migration roadmap to optimize costs and create a sustainable future in the cloud

**Customer Benefits**

- Their total cost of ownership was significantly lowered, and their key process run times reduced from 18 hours to under three
- They can create an entire disaster recovery environment (DR) build in 30 minutes instead of the weeks and days it took beforehand