



Murex on Amazon Web Services

BY ELENJICAL SOLUTIONS

Reducing your infrastructure TCO
while increasing your agility and speed
to market with Murex cloud pioneers.



Market Insights

Digital transformation has become a front and centre agenda for financial institutions in their pursuit to speed up innovation, improve agility, reduce costs, and provide improved value to customers. Financial firms face several infrastructural challenges in achieving these goals.

SOME OF THESE CHALLENGES INCLUDE:



Large capital investment on legacy infrastructure that is no more fit for purpose



Ageing infrastructure requiring upgrades



Not enough development environments for concurrent projects



Residual hardware when projects complete



No scalability for grid or batch computing



Significant wait time for development environment provisioning



Manual processes for environment management

These aforementioned challenges are more pronounced on infrastructure supporting critical functions such as trading and risk management hence the opportunity for disruption and improvement.

Murex on the cloud

To mitigate the on-prem infrastructural challenges, financial firms on MX.3 platform have been looking to migrate this the platform to the global leading cloud provider, Amazon Web Services.

MIGRATING MX.3 TO THE AWS SOLVES, AMONGST OTHERS, MANY LEGACY PROBLEMS SUCH AS:

- » Scalability for risk engines and EOD batch processing
- » Easy deployment of computationally intensive applications
- » No under / over provisioning of infrastructure
- » Reduced cost for always-on infrastructure environments
- » Production like development environments
- » Easy implementation of CI/CD pipelines

MX.3 on AWS powered by Elenjical solutions

As an AWS partner with extensive Murex environment management experience, Elenjical Solutions can assist clients through their end-to-end cloud journey. Starting from designing and implementation of cloud deployment strategies, migration of environments, maximization of cloud infrastructure benefits, deployment of CI/CD pipelines for environment management and Managed Service for maintenance and optimization.

Client Deployment Strategies

When migrating to the cloud, firms face several difficulties to deal with ranging from compliance and regulatory requirements to legacy operational processes.

Elenjical solutions understand these complexities and will design implementation plans that cater to each client's individual needs while adhering to best practise principles.

THESE DESIGNS TYPICALLY TAKE THE FORM OF:



Production on premises

Development and test in the cloud



Hybrid

Production on premises bursting into the cloud for grid computing and batch processing



All-in

Production and development in the cloud

Elenjical solutions can assist clients with each step of the cloud migration process, from planning to migration and post migration maintenance.

Maximization of Cloud Benefits

No matter which design option suits your company best, Elenjical Solutions will guarantee the benefits of the cloud will be fully realised by ensuring:

- » A Fast, well-maintained production environment
- » Continuous cost optimizations
- » Scalability at each level of the system
- » No over/ under infrastructure provisioning
- » Implementation of CI/CD pipelines

By adhering to the AWS well architected framework's five pillars; operational excellence, security, reliability, performance efficiency, and cost optimization, Elenjical Solutions will ensure the continuous implementation of optimised and scalable designs.



Continuous integration and deployment

As part of cloud journey Elenjical solutions can assist customers with a deployment of CI/CD pipelines for infrastructure and configuration management. In the process, allowing customers to focus on business requirements and ensuring integration and deployment difficulties do not become delivery bottlenecks.



Managed Cloud Service

Elenjical solutions provides a fully managed cloud services post implementation, allowing clients to focus on their core business function.

THE MANAGED SERVICE OFFERING INCLUDES

- » Installation and upgrade of environments
- » Housekeeping and maintenance
- » System troubleshooting and monitoring
- » End Of Day monitoring and support
- » Provisioning of development environments



ML-control

(Murex services management and monitoring tool)

As a Murex business partner with extensive greenfield and support experience, Elenjical solutions has developed a best of breed tool called ML-control for managing and monitoring Murex services

ML-control is available as an add-on to all Elenjical Solution cloud clients. The tool has the following features out of the box and customised further per client requirements.

- » Option to monitor, stop and start services
- » Out of the box support for horizontal scaling infrastructure setup
- » Predefined dependency map of services
- » Intuitive interface for monitoring services
- » Intuitive config interface for adding new services
- » AWS compatible



Elenjical Solutions is a niche financial services technology consulting firm based in Johannesburg providing consulting services to investment banks, asset managers and insurance providers.

We provide services in the areas of general IT strategy, system architecture and re-platform, risk and valuation, murex consulting, software development, managed testing services, cloud migration and support.

We pride ourselves in understanding the nuances of a Capital Markets business and align this with industry leading knowledge of technology. Our senior staff provides capital markets technology leadership and business insights and are backed up by project teams delivering system implementations, software developments, training and project management.

FOR MORE INFORMATION

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