

# Murex on AWS

## Migrating Murex to AWS using the AWS Well-Architected framework



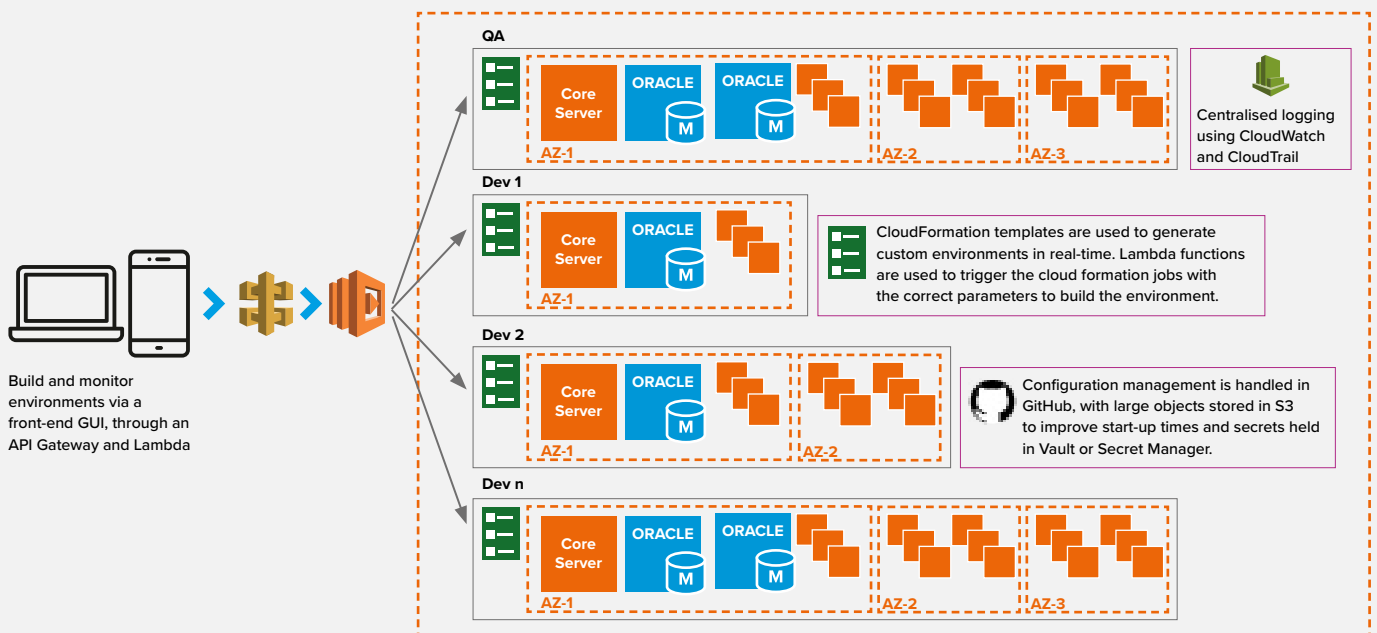
### Why migrate to AWS?



Public cloud computing is fundamental to the future of financial services technology. With the launch of Murex's Mx.3 SaaS solution on AWS, many financial institutions who have Murex at the core of their architecture are now able to place Murex at the centre of any cloud migration strategy; this should be a priority for anyone looking to modernise their derivatives trading environments.

By migrating to the cloud we strongly believe customers will benefit from greater business agility, with better performance from unlimited horizontal scalability, clean and efficient environment management using infrastructure-as-code and a lower total cost of ownership. AWS offers improvements for both business users and development teams.

### Automated environment management



Build and monitor environments via a front-end GUI, through an API Gateway and Lambda

Configuration management is handled in GitHub, with large objects stored in S3 to improve start-up times and secrets held in Vault or Secret Manager.

## Benefits of running in the cloud



- **Deployment automation:** ability to 'stand up' and 'tear down' a fully functional or test development, or produce Murex environments
- **High availability and disaster recovery design:** using multiple zones and regions
- **Improved performance:** ability to scale out compute engine pools using AWS Autoscaling Groups based on performance metrics or pre-defined schedule
- **Increased reliability:** bespoke monitoring of both AWS and Murex Services.
- **Quicker time-to-market:** for changes using automated environment management and full CICD pipeline
- **Cost-optimisation:** transparent budgeting with clear prices and reduced cost of ownership through automated shutdown of development and test environments and enhanced monitoring of tagged resources.

## Why engage GFT?



### Performance efficiency

Re-engineering of intra-day and end-of-day batch processes to optimise parallelisation across horizontally scalable compute layer, using auto-scaling groups.

### Reliability

Implementing DevOps practices to ensure consistency across environments and safe automated releases, utilising out-of-the-box multi A-Z high availability of AWS infrastructure.

### Cost optimisation

Automatic shutdown of development and test environments and active monitoring of tagged resources, to minimise total cost of ownership and allow for transparent project budgeting.

### Security

Our Murex infrastructure team assist in identifying sensitive data both within and outside Murex, ensuring it is appropriately secured via access controls, encryption or tokenisation.

### Operational excellence

By utilising DevOps practices and 'Infrastructure-as-Code', GFT's automated environment management solution will ensure consistency across production, test and development environments. It provides a Murex-specific monitoring capability and enables reliable automatic deployments with full regression testing.

## What makes GFT different



### Big enough to deliver – small enough to care

Straightforward decision making and a 'hands-on' mentality based on creativity, expertise and willingness to deliver. Over 5,000 engineers in 12 countries.



### Passion for innovation

Innovation labs facilitate trend scouting and prototyping for financial services.

CODE\_n innovation network identifies disruptive knowhow. Scalable global delivery onsite and from nearshore locations.



### Commitment to delivery

Smart methodologies ensure successful delivery of high profile projects.

Efficient teams with creative, process and technology knowhow.

Scalable global delivery on-site and from nearshore locations.



### Focus on sustainability as opposed to short-term profits

Large percentage of GFT is retained by the founding family. Our core values are embedded in our daily work with clients: Caring | Committed | Courageous | Collaborative | Creative

## About GFT



GFT is a global technology partner focused on digital transformation in the financial sector. Founded in 1987, we have over 10,000 specialists in 15+ markets.

> [gft.com](https://www.gft.com)