

Taking Murex to the cloud



At GFT, we leverage our previous successes and experience with large cloud migrations, to ensure that new client transformation initiatives are carefully delivered from technical to functional scope, thereby ensuring a production-ready solution.

We focus on delivering innovative solutions at a rapid pace, with a focus on cloud strategy for MX.3 clients, including the identification and testing of the best cloud technologies to suit the clients' needs. Selecting the relevant cloud features adds value to the bespoke and customised solution.

The GFT Murex Practice helps manage the many challenges of migrating a trading platform application to the cloud.

We have a large pool of talented specialists who can provide hands-on expertise gained from many previous large and complex cloud migrations. Our services ensure we provide comprehensive support at every stage of the journey to the cloud.

Our Murex-to-cloud framework and roadmap utilise best practice deployment techniques in close partnership with AWS. Our cloud migration service helps clients

to move from on-premise to the cloud smoothly and quickly, covering both initial exploration and full migration. Our large team of cloud experts work closely with our Murex Practice to ensure the cloud migration is designed to manage the unique nature and complexity of the Murex system. This ensures the migration path is smooth, and the application enjoys all the benefits that the cloud can provide.

Every client migration journey is unique...



Different workloads



Different compliance and security needs



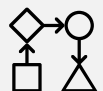
Different goals



Different performance and resilience needs



Different risks



Different legacies

At the forefront of our approach is to ensure the target state delivers all the benefits of moving to the cloud, including improved operational efficiencies and better customer satisfaction. This is achieved via greater collaboration and enhanced infrastructure capabilities - ultimately driving business growth.

We also address the challenges posed by the cloud, including: cost management, value for money, cloud and data governance, compliance and regulatory requirements, managing the cloud provider, as well as skills shortages in advanced cloud solutions.



By treating the cloud as an operating model for innovation, we aim to unlock the full potential of the enterprise, resulting in substantial and sustained benefits"

The benefits of cloud



- Enhanced end of day batch processing
- High performance computing (HPC) scalability for risk analytics engines
- Rapid deployment of computationally intensive interfaces
- Reduced cost for always-on infrastructure environments
- Production-like development environments – enabled at scale only when required
- Effective implementation of CI/CD pipelines
- Appropriate sizing of infrastructure to fit requirements

Murex challenges overcome by the cloud



Risk engine, GPU grid advanced analytics

The compute power for risk engine traditionally requires an expensive fleet of GPU grid servers provisioned for peak usage, but may sit idle for hours each day.

In the cloud the compute power is only activated when required and routine updates for evolving regulatory and risk requirements can be automated.



Large capital investment in infrastructure

Murex platforms have a large infrastructure footprint with some organisations managing 30 to 50 environments and multi-terabyte database servers. Maintaining performance during peak periods also requires large investment.

In the cloud, infrastructure is scaled to fit the needs of the requirement at any point, ensuring much greater efficiency.



Ease of use

A modern cloud data architecture provides intuitive functionality and supports good business continuity models.



Insufficient environments

Murex projects are often constrained by the number of test environments due to budget limitations, inefficient time sharing of environments and long delays.

In the cloud, the environment can be activated rapidly and scaled to accommodate the needs as they arise – accelerating innovation.



DevOps and CI/CD

Existing poorly designed full stack environments prevent automation, meaning firms are unable to implement effective CI/CD with new environments taking days or weeks to be manually provisioned.

In the cloud DevOps processes and CI/CD pipelines are rapid and often instantaneous

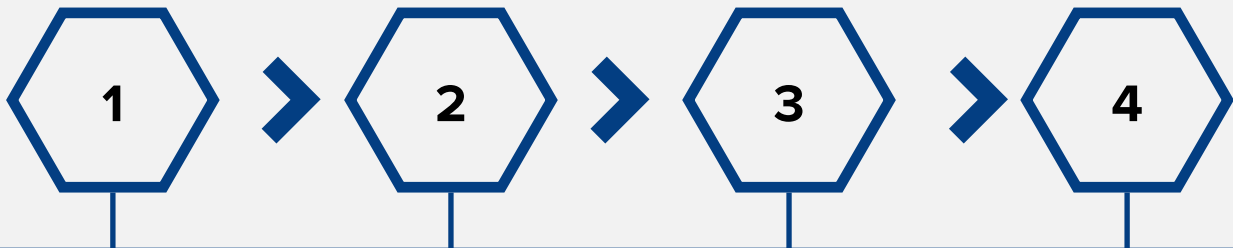


Manual environment management

Murex projects often struggle with the availability of appropriate tools to effectively manage so many complex environments, with manual processes prone to human error.

In the cloud, environments are much easier to manage and provision, with correct automation of complex processes eliminating errors.

MX.3 cloud migration



Minimum viable Product #1

Migration of one development environment to cloud, test and benchmark system

All environments migrated

Migration of all Dev / Test / UAT environments to cloud, test and benchmark system, for use on project work.

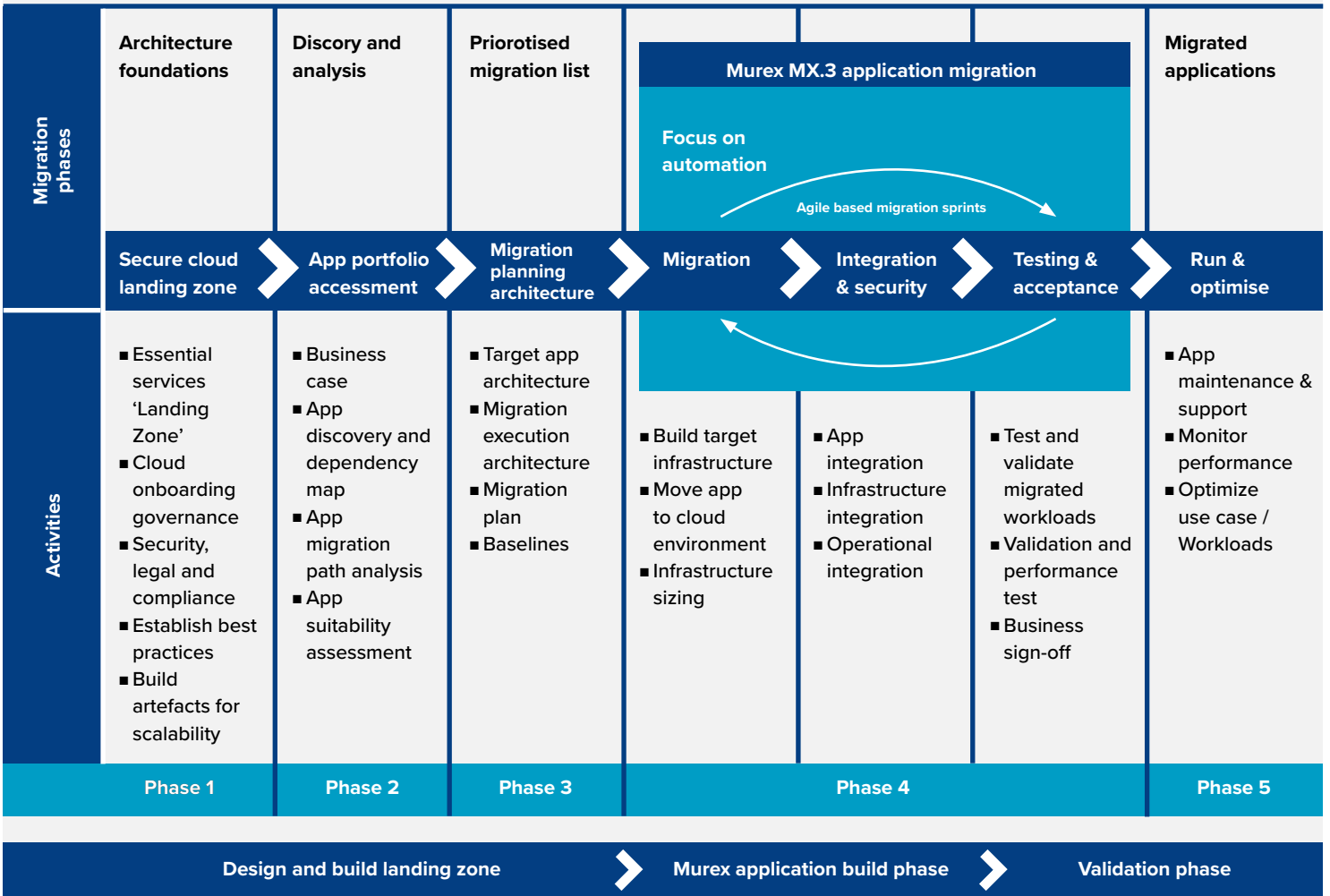
Reporting batch / disaster recovery

Migration of reporting batch environments and disaster recovery environment to the cloud.

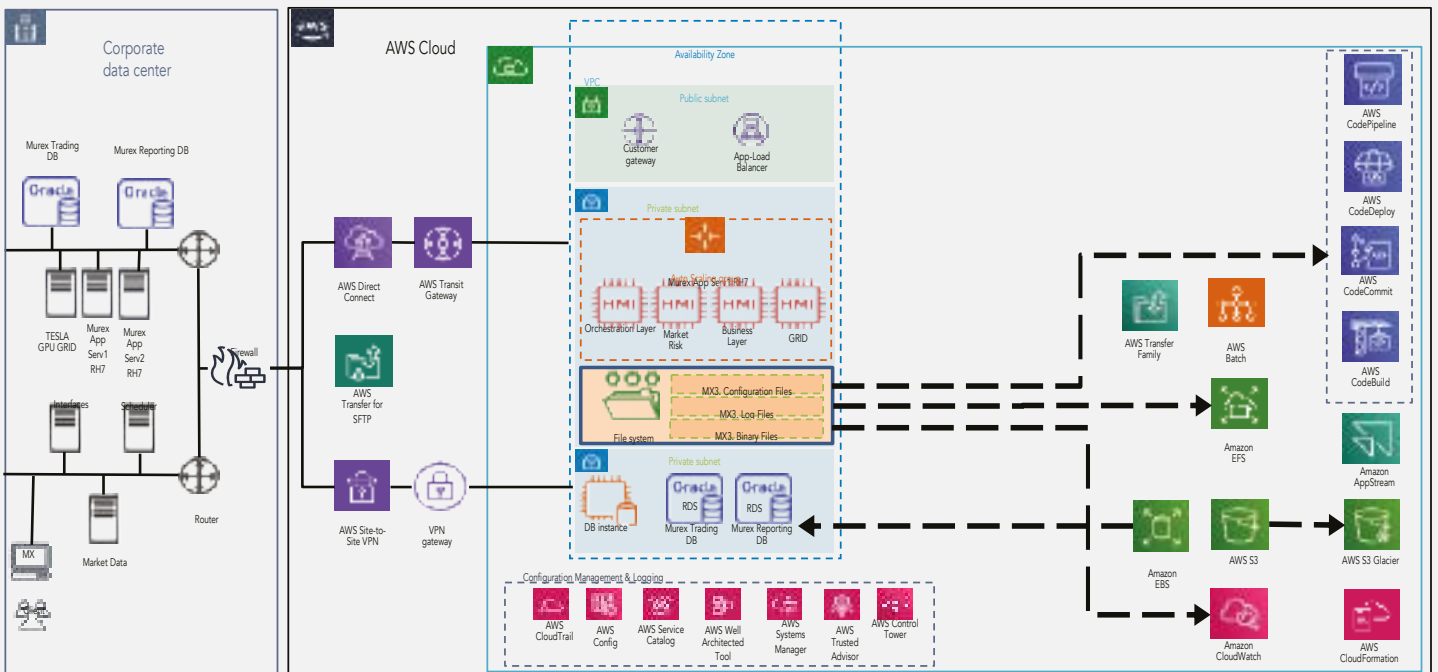
Production

Migration of production environment and all interfaces to cloud as the final delivery.

Murex application - cloud migration approach



AWS MX.3 migration example





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.



Passion for innovation

Innovation labs facilitate trend scouting and prototyping for financial services.



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

Contact details



Get in touch

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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