

NTT DATA



Kliquin

Cloud environments in a single click
by NTT DATA

**MX.3 on Cloud An
opportunity to embrace
the future together**

MX.3 on Cloud: Change the game

The capital markets industry is facing new challenges driven by Digitalisation and COVID 19. Current context demands a different approach to operating trading solutions aimed at

- Improving speed to market
- Gaining flexibility and efficiency
- Reducing costs
- Being more adaptive to change

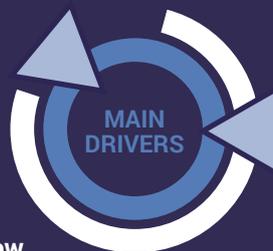
The switch from traditional tailor made infrastructure to a modern and flexible cloud solution is becoming increasingly important

The capital markets industry is facing new challenges driven by Digitalisation and COVID 19.

Lead your organisation to a shorter time-to-market response thanks to Cloud.

Operational agility

- Accelerate MX.3 environment provision (minutes vs. days).
- Automate and simplify MX.3 environment management activities evolving to a CI/CD model.
- Scale up and down MX.3 infrastructure as required leveraging on the unlimited capacity of Cloud.
- Reduce time to market for new initiatives.



Cost efficiency

- Resource's optimisation ensuring HW capabilities only when necessary (pay-as-you-go) with full billing transparency.
- Avoid large infrastructure cost no longer needed after project completion.
- Reduce cost and time to market for new projects through automation and immediate hardware availability.
- Switch to 'as a service' and utility models for cost mutualisation.

Follow your own MX.3 cloud journey

Clients can take advantage of all these benefits of moving MX.3 to the Cloud in these common use cases:

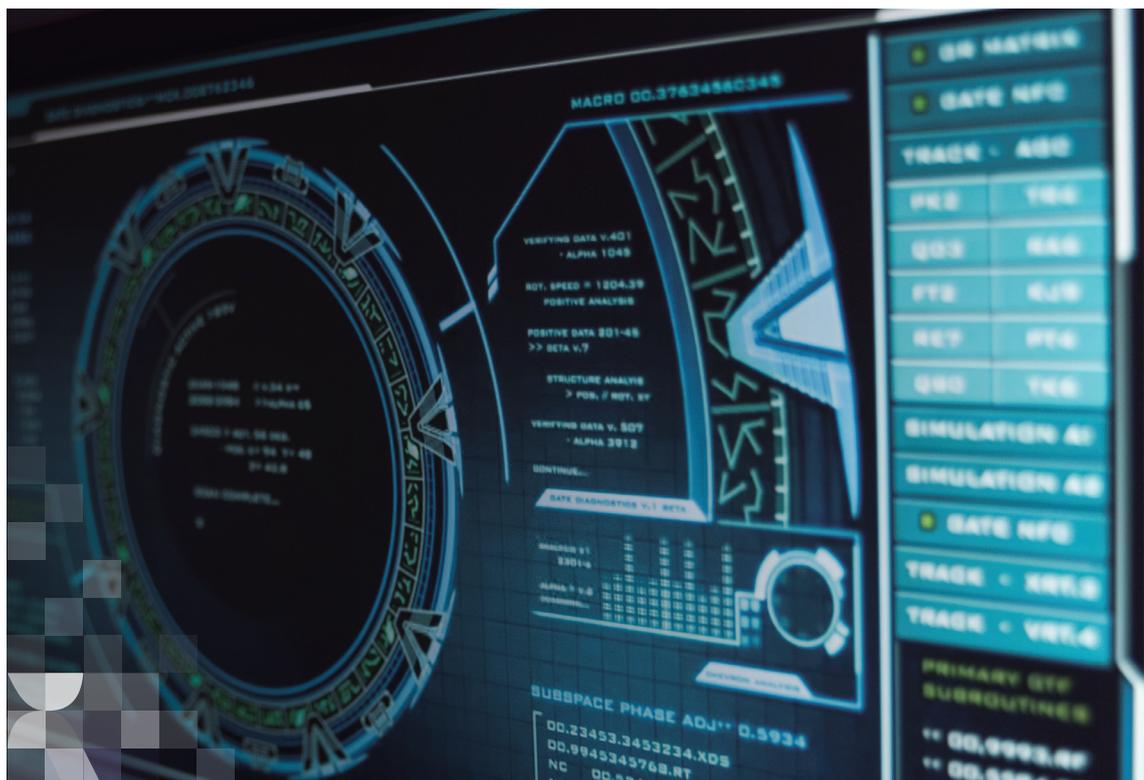
- **Production environment:** 'Lift and shift' of Production environment from on-premises to a public Cloud to benefit from the cost-efficiency, agility and on-demand scalability provided by AWS.

Once on the Cloud, clients can switch to an 'as a service' model (infrastructure provisioning, operation, application management and even BPO), shifting to variable costs and potentially mutualising costs.

- **Development & Test environments:** Capital Markets firms face a challenging period leading to a large number of complex projects running in parallel, often penalised for insufficient infrastructure availability. On AWS, new environments could be deployed immediately, ensuring flexibility, scalability, and transparent cost allocation.
- **Grid Computing:** Pricing, Risk Management and Compliance for exotic derivatives have become more sophisticated and complex. Grid computing requirements are becoming increasingly important for industry. Providing and maintaining grid computing on premise is expensive and often insufficient. AWS offers increasing infrastructure when required.
- **Batch Processing:** All the regulations applied to financial institutions result in the generation of extensive reports that require large volumes of storage and computing. Through AWS scaling methods, in a matter of seconds, computing power can be adjusted to run heavy EOD processes.



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Why choose NTT DATA for your MX.3 on cloud journey?

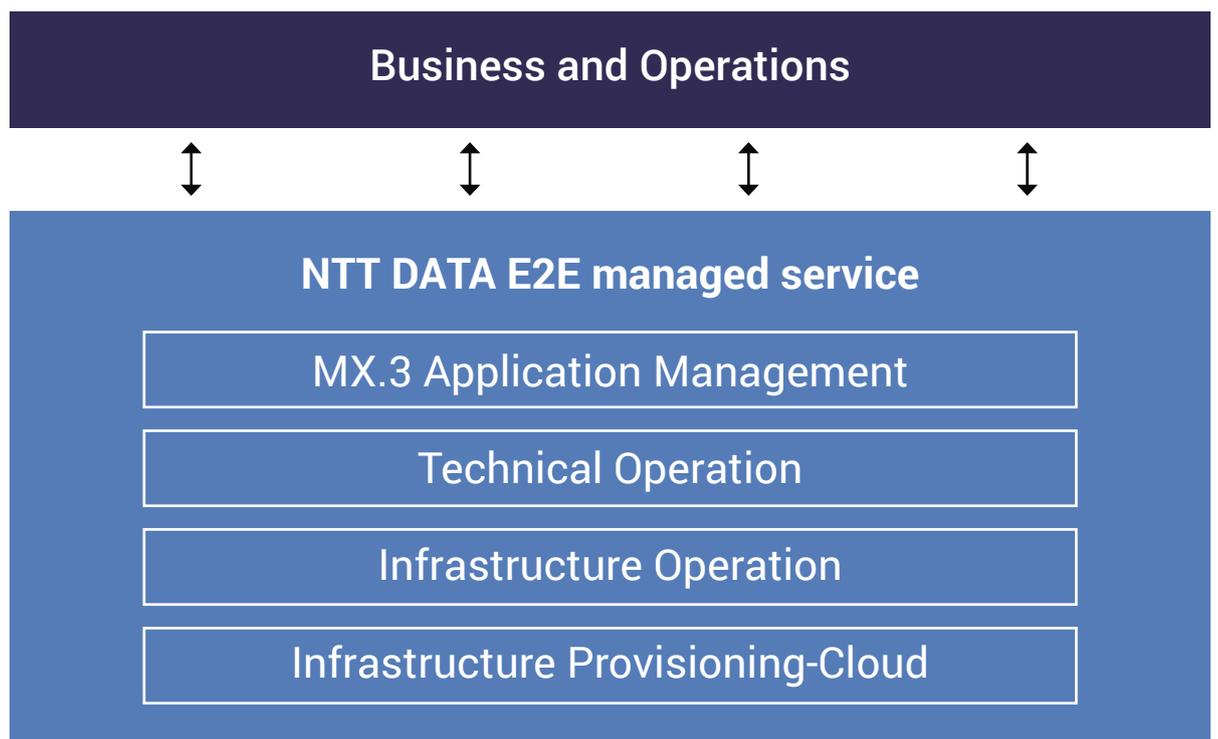
NTT DATA have created a combination of services and assets around MX.3 on cloud which ensure that the cloud journey will be carried out to the highest quality standards.

Our offer leverages three main pillars; MX.3 cloud migration, end to end managed services, and our accelerator, Kliquin. In all cases, we are performing the Journey to Cloud Strategy and Assessment.

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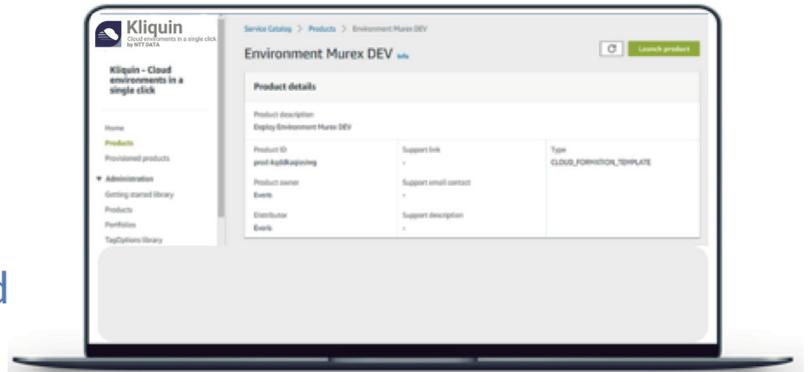


End to End managed services: MX.3 on AWS concentrated in a single IT partner to provide a streamlined and cost-effective service tailored to the business requirements, reducing friction between different support teams, and providing flexibility and speed in the deployment of new solutions.



As fast as gestures, Kliquin

Our solution deploys a fully functional MX.3 environment and provisions the required infrastructure in cloud within minutes.



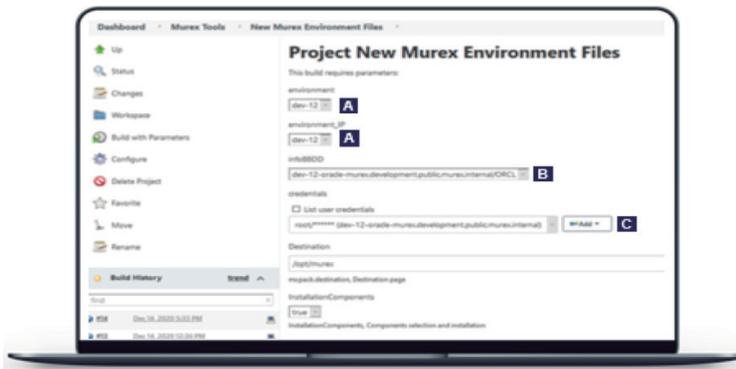
No matter how you manage your MX.3 environments or how you manage your application architecture, we can adapt our pre-packaged solution to your needs.

Kliquin streamlines the management of MX.3 environments, databases, and IT infrastructure enabling, financial institutions to monitor infrastructure cost, run automated tests with ease, shift to DevOps, and reduce overall time to market.

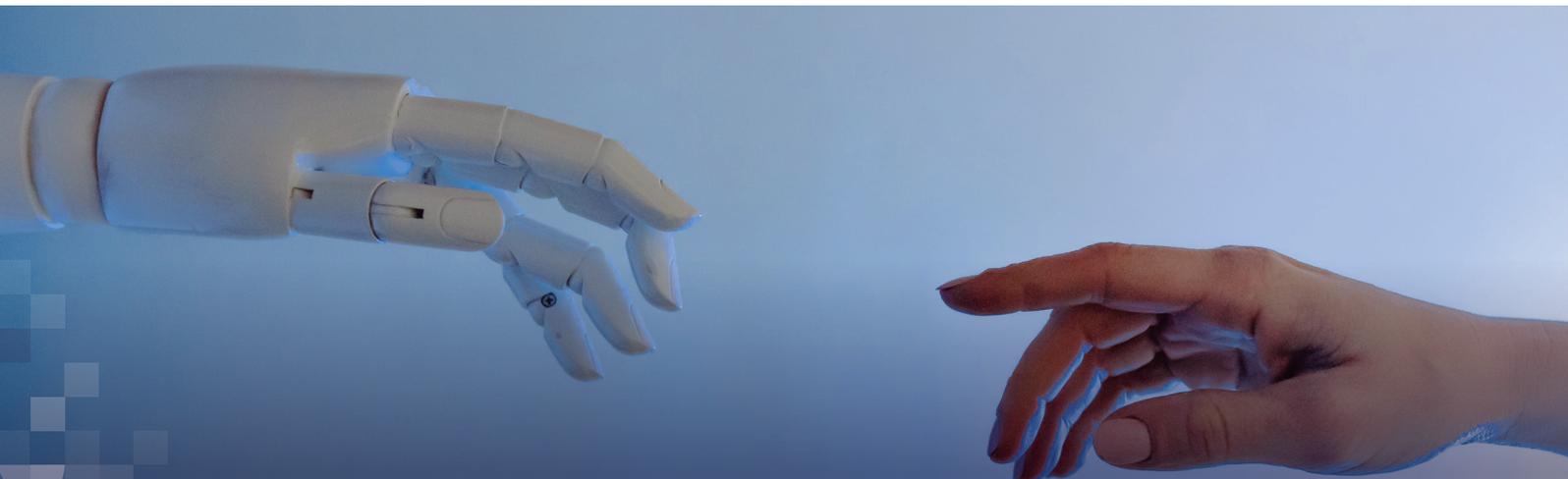
A user could provision the necessary infrastructure, deploy a new MX.3 environment, validate the creation through automated test scripts and start working within a few clicks, eliminating the current dependencies with the systems provisioning team and speeding up the procedures drastically.

Kliquin is flexible

No matter how you manage your MX.3 environments or how you manage your application architecture, we can adapt our pre-packaged solution to your needs.



Through Kliquin, you can manage any third system or tailor-made tools that are connected to MX.3.



We are NTT DATA

Murex CoE

NTT DATA has a solid track record of delivering MX.3 projects and services since 1999, covering our clients' needs end to end with more than 200 MX.3 consultants coordinated within a global practice, and 11 certified MTEK trainers.

NTT DATA provides high-quality and cost-effective MX.3 services to many clients across Europe and Latin America thanks to its mature and well-established Centre of Excellence located in Spain and a full-suite of accelerators and pre-packaged near-shore services. The NTT DATA MX.3 offering covers the end-to-end needs from any MX.3 client, including business and IT strategic advice, green and brown-field implementations, data migration, IT integration and fully managed services. NTT DATA is continuously investing in the MX.3 partnership through official training and in strategic initiatives such as Cloud, testing automation and DevOps.

SkC The NTT DATA Cloud Centre of Excellence

The collaboration between NTT DATA and AWS began in 2010. Soon after, the Cloud Centre of Excellence was created to build a highly specialised team of experts in Cloud management. NTT DATA became an AWS global partner in 2013, and today the team supports more than 40 customers around the world. The team, with over 50 professionals, is a multidisciplinary and highly specialised team in Cloud technology with strong partnerships with the main Cloud providers: AWS, Azure and Google. The CoE provides 24x7 support 365 days a year.

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About NTT DATA

We are a multinational consulting firm part of the NTT group. We offer business solutions, strategy, digital transformation, development and maintenance of technological applications, and outsourcing services.



(*) Information as of March 31, 2020

We are part of a large group

The NTT GROUP is one of the largest ICT companies in the world.

NTT DATA

NTT DATA is the 6th-leading ICT service company in the world. We work with our customers to innovate and offer the best quality and price. NTT DATA is part of the NTT Group.

+130,000 professionals
6th *leading company in the IT sector

\$21 billion in annual income
+50 countries where we operate

(*) Gartner, "Market Share: IT Services, Worldwide 2020", Dean Blackmore, et. al, published on April 8, 2021

NTT Group

The NTT GROUP is one of the largest ICT companies in the world. The NTT group has a select global group of IT and telecommunication services within the company NTT, Inc., NTT Ltd, NTT DOCOMO, NTT EAST, NTT WEST, NTT COMMUNICATIONS, NTT DATA.

+310,000 professionals
+80 countries where we operate

\$109 billion in annual income
88% of the top 100 Fortune Global companies choose NTT

\$3.6 billion invested in R&D