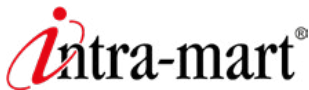


5 releases a day, 10-Minute setups: NTT DATA INTRAMART's path to development velocity with Docker

5x daily internal deployments, 380 container builds/day, 17% failure rate and falling, Environment setup time cut from hours to 10 minutes



Company	: NTT DATA INTRAMART
Industry	: Enterprise software (Low-code BPM/DX platforms)
Headquarters	: Tokyo, Japan
Employees	: 500+
Solutions Used	: Docker Desktop, Docker Hub, Docker Compose, AWS EKS
Partners	: 200+ global system integrators
Customers	: 10,000+ across all industries

About NTT DATA INTRAMART

NTT DATA INTRAMART, born from an internal venture at NTT Data, is a recognized leader in enterprise digital transformation through its low-code platform "intra-mart." With over 10,000 customers and the top domestic share in workflow/BPM for 18 consecutive years, NTT DATA INTRAMART delivers agility without compromising control.

Challenge Context

Bridging Legacy and Modern with Speed and Control

As cloud-native development and DevOps best practices became central to customer expectations, NTT DATA INTRAMART faced several urgent challenges:



Environment setup times stretching across hours due to complex stacks (PostgreSQL, Cassandra, Solr, HTTPd, Resin)



Inconsistencies across development and partner teams



Difficulty supporting legacy versions across multiple middleware options



Rising demand for secure, reproducible environments from both internal teams and over 200 partner companies

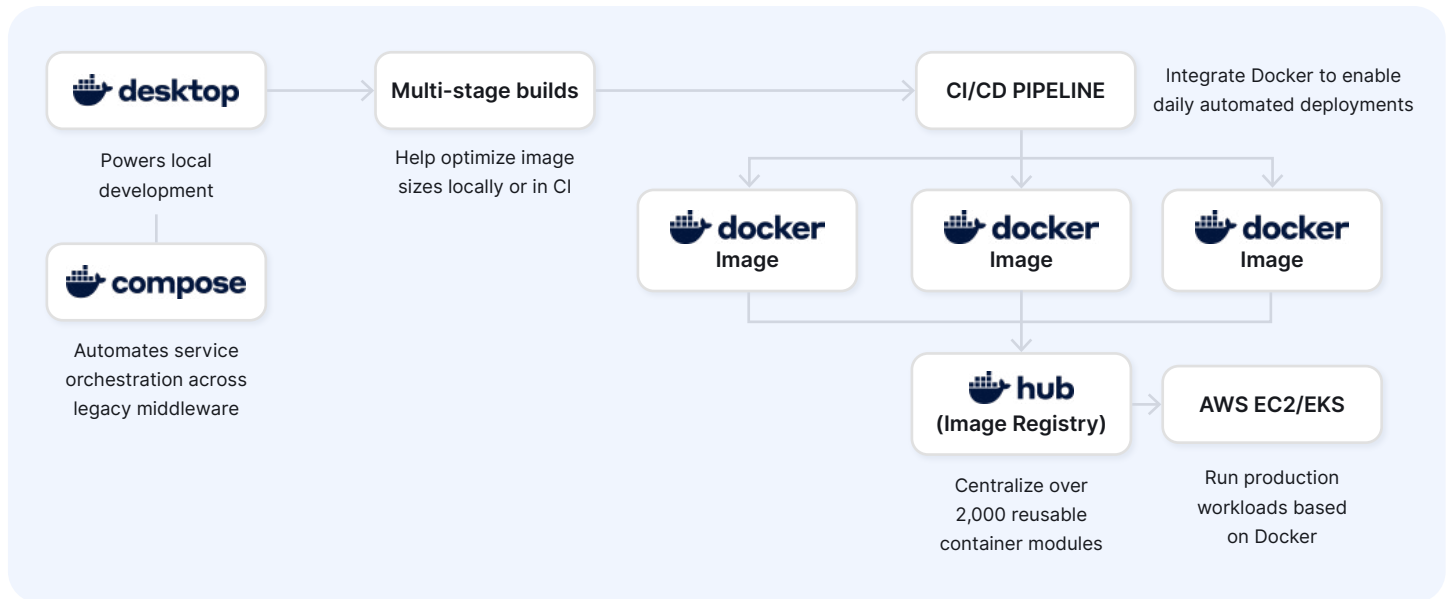
Docker was selected as the platform to standardize development workflows, simplify onboarding, and increase delivery velocity.



A Case Study in Unifying the Development Platform with Docker and Achieving DevOps Automation

In 2024, Podman and Rancher Desktop had been introduced internally, but to improve operational efficiency, NTT DATA INTRAMART decided to consolidate its tooling into a single solution. Faced with challenges such as the need to modify existing scripts and pipelines or issues with volume permission settings, the team chose Docker Desktop due to better compatibility and improved functionality, which has since become central to both their internal development and partner delivery workflows.

Today, Docker is used throughout their development stack:



Security is also front of mind. NTT DATA INTRAMART has plans to test Docker Scout with the aim to verify container images and integrate security scans into their delivery pipelines - a key move as customers increasingly scrutinize software supply chains.

Beyond technical enhancements, Docker's standardization helped unify operations across a distributed engineering team and a global partner ecosystem. With many partners now requesting container-based environments, Docker enabled NTT DATA INTRAMART to deliver consistent, pre-configured development templates to ensure a shared foundation for building and deploying applications.

Docker's compatibility with their existing tools, including CI/CD platforms and AWS infrastructure, eliminated the need for retraining or re-architecting.

“Before we incorporated containers into our DevOps environment, we faced challenges such as having to perform builds manually, which resulted in a lack of progress in terms of automation. However, after implementing containers and continuing to refine our internal processes over a long period of time, we have definitely seen positive, quantifiable results.”

Jun Enomoto, Chief Technical Lead
NTT DATA INTRAMART



Measurable Impact

Docker has helped NTT DATA INTRAMART improve every key DORA metric while building a more secure, scalable engineering culture:



Deployment Frequency

From periodic builds to **5 internal releases/day**



Lead Time for Changes

Reduced drastically via automated Dockerized environments



Change Failure Rate

Down to **17%** with better reproducibility - on par with elite teams



Build Velocity

Now averaging **380 Docker-based builds/day** across 2,000+ modules



Onboarding Time

Reduced from **1-2 days** to **~1 hour**



Environment Setup

From **multiple hours** to **10 minutes** with no manual work

Docker enabled developers to work in fully standardized environments regardless of location or hardware. Onboarding a new engineer no longer involved hours of manual configuration, troubleshooting local differences, or relying on outdated documentation. Instead, developers can spin up a fully configured environment with a single command, allowing them to focus immediately on contributing code.

Even for teams supporting multiple middleware stacks and versions, an ongoing necessity given the broad enterprise customer base, Docker has been instrumental in improving reproducibility. When bugs are reported, engineers can quickly spin up the relevant stack and replicate the issue, vastly reducing the time required for diagnosis and resolution.

Security visibility also improved. Docker enabled NTT DATA INTRAMART to better trace, verify, and isolate container images. This has built greater confidence in their DevSecOps practices, and gave NTT DATA INTRAMART the confidence to test new features that will further improve their security practices.

Docker also streamlined feature development. Teams can now rapidly test across middleware configurations by swapping containers, rather than rebuilding environments from scratch. This has helped accelerate cycle times for complex feature validations and integrations.

Operational Transformation Beyond Development

The benefits of Docker go beyond just developers. NTT DATA INTRAMART's support, QA, and partner enablement teams also experienced significant gains. Dockerized environments are now being shared with over 200 partner companies, many of whom had previously required extensive onboarding and troubleshooting support.

By delivering pre-packaged, Docker-based environments to partners, NTT DATA INTRAMART ensures that external teams can run consistent, supported configurations. This has both reduced inbound support load and shortened customer delivery timelines. Templates are maintained centrally, making updates and patches easy to propagate.



Additionally, Docker has become a core element of knowledge sharing within NTT DATA INTRAMART. Internal documentation, wikis, and onboarding programs have been updated to reflect containerized best practices, and 2025 will see a formal training program for 30+ engineers (10 new grads + 20 experienced staff). These efforts are helping to deepen internal capability and create a shared operational language across teams.

NTT DATA INTRAMART is also preparing to expand Docker's reach through templated offerings and paid setup services—turning an internal investment into a potential new value-add for enterprise customers.

A Foundation for Secure, Scalable Innovation

Docker has transformed how NTT DATA INTRAMART builds, tests, and delivers software—from laptops to cloud clusters. With faster onboarding, more consistent environments, and visibility into container security, the company is now positioned to scale its partner network and enhance internal productivity.

As they continue to modernize their delivery models and expand their partner footprint, Docker will remain essential for increased software supply chain security, and the standardization of partner-facing deployment blueprints.

With Docker, NTT DATA INTRAMART is not just transforming its own engineering organization. It's enabling a new generation of enterprise agility - secure, automated, and ready for scale.

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