

# Accelerating digital transformation: Standardized platform engineering

*“NTT DATA didn’t just give us a tool; they gave us a blueprint for growth. By shifting from manual setups to a standardized platform, we’ve reclaimed hours of engineering time every single day.”*

NTT Data assists CIOs and Platform Leaders in transitioning from fragmented, high-maintenance infrastructure to a streamlined, automated delivery model by implementing NTT DATA’s Platform Configuration Management (PCM).

## The Challenge: The Hidden Cost of “Snowflake” Clusters

For organizations operating Red Hat OpenShift at scale, the goal is to deliver productive environments quickly while maintaining homogeneity across clusters. However, the reality is often frustratingly different.

As infrastructure grows across hybrid and multi-cloud environments, IT teams face significant hurdles:

- ▶ **Operational Drag:** Manual deployments and isolated scripts lead to “snowflake” configurations—unique, fragile setups that are hard to replicate or fix.
- ▶ **Slow Time-to-Value:** Provisioning production-ready environments takes longer than the business demands, delaying innovation.
- ▶ **Compliance Risks:** A lack of traceability and standardized governance makes audits complex and leaves security gaps.
- ▶ **Resource Strain:** Teams are under pressure to “do more with less,” drowning in “Day-2” operational debt and repetitive maintenance tasks (toil).

## The Solution: NTT DATA Platform Configuration Management (PCM)

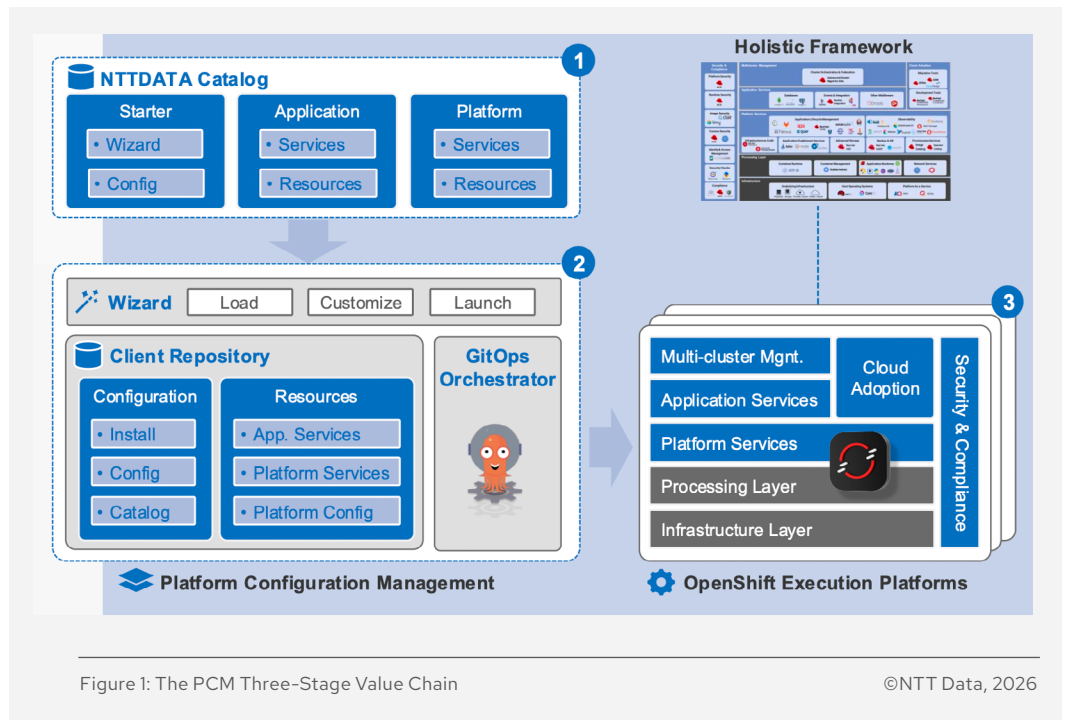
NTT DATA Platform Configuration Management (PCM) transforms your platform from a collection of clusters into a reliable, internal product. It solves the configuration deadlock with a declarative “Configuration as Code” approach and rigorous GitOps governance.

Instead of relying on manual clicks or disconnected scripts, PCM defines the “desired state” of your infrastructure in versioned Git repositories. This serves as a single source of truth - ensuring every change is traceable, validated by policy, and automatically replicable across any number of clusters.

Built on the Red Hat Ecosystem Co-developed using Red Hat’s best practices, PCM integrates seamlessly with the Red Hat OpenShift portfolio, including Red Hat® Advanced Cluster Management for Kubernetes for multi-cluster governance and Red Hat® Advanced Cluster Security for Kubernetes for policy enforcement.

**Important Note:** PCM is not a standalone software product; it is a consulting-led accelerator designed to jumpstart your platform engineering journey. It solves the configuration deadlock with a declarative “Configuration as Code” approach and rigorous GitOps governance. Instead of manual clicks, PCM defines the “desired state” of your infrastructure in versioned Git repositories, serving as a single source of truth.

## Architectural Workflow



The solution architecture is designed to transform static blueprints into dynamic, managed environments through a streamlined three-stage process:

### 1. The NTT DATA Catalog (The Foundation)

The process begins with a curated catalog serving as the foundation for standardization. This library contains pre-validated “Starter” kits, alongside specific resource templates for both Application and Platform services. This ensures that teams start with compliant, best-practice configurations rather than blank slates.

### 2. Configuration & Orchestration (The Engine)

Teams utilize an interactive Wizard to load, customize, and launch these blueprints. This action populates the Client Repository, establishing a centralized “Source of Truth” for all installation configurations and service definitions. A GitOps Orchestrator then acts as the automation engine, continuously monitoring this repository to detect changes and drive the deployment process without manual intervention.

### 3. Execution Platforms (The Outcome)

The Orchestrator synchronizes the desired state onto the OpenShift Execution Platforms. These platforms are delivered as a holistic framework where key operational requirements – such as Multi-cluster Management (via Red Hat Advanced Cluster Management), Security & Compliance (via Red Hat Advanced Cluster Security), and Cloud Adoption – are integrated as foundational layers wrapping the core Infrastructure and Processing layers. This ensures that every cluster, regardless of location, adheres to the same rigorous standards of governance and resilience.

## The Value: Speed, Consistency, and Control

By treating platform configuration as software, NTT DATA PCM delivers measurable business outcomes:

- ▶ **Accelerated Time-to-Market:** Deploy production-ready platforms up to 70% faster, reducing installation time from weeks to days.
- ▶ **Reduced Operational Costs:** Centralized resources and automated blueprints drastically reduce manual tasks and reliance on highly specialized profiles for routine work.
- ▶ **Uncompromised Security:** Security and compliance are applied as code. Policies are consistent, audits are faster, and traceability is guaranteed across the entire lifecycle.
- ▶ **Scalable Resilience:** A disaster recovery-ready architecture where environments can be rapidly restored from Git, minimizing downtime and operational risk.

## Next Steps

Stop managing clusters manually and start engineering a platform that drives your business forward.

- ▶ Request a Demo: See how the Configuration Wizard and GitOps workflows can simplify your operations. Contact: [César Rodríguez Medina](#)
- ▶ Contact the Team: Connect with NTT DATA's SPOC for Red Hat, [César Rodríguez Medina](#) or the [Red Hat®](#) team to discuss your specific environment.

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## About NTT DATA

NTT DATA is a \$30B+ global innovator in business and technology services. Trusted by 75% of the Fortune Global 100, we partner with clients to navigate and simplify the modern complexities of business and technology. As a Global Top Employer with operations in over 50 countries, we combine deep industry expertise with a robust ecosystem of partners - including Red Hat - to build the digital foundations of the future.



## About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments.