

# VMware Tanzu Platform

## The high-velocity path to agentic innovation

“The most outstanding KPI we achieve is time to market. We can innovate faster, going from an idea to an application in production, with all the necessary tests and security checks, within one or two business days.”

Jürgen Sußner  
Principal Cloud Platform Engineer  
[DATEV eG](#)

In the modern enterprise, the distance between a developer’s idea and a production-ready application is often measured in weeks of manual toil, fragmented infrastructure, and security hurdles. VMware Tanzu Platform is designed to collapse that distance. It provides a unified, AI-ready platform-as-a-service (PaaS) that shifts application delivery and management from a series of manual tasks into a continuous engineering practice. By standardizing the path to production, Tanzu Platform allows organizations to treat their entire application estate as a single, high-velocity innovation engine.

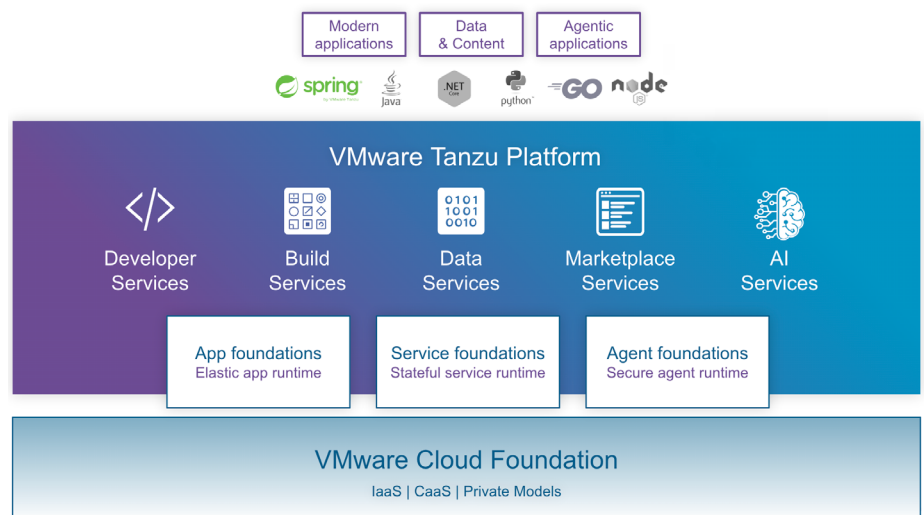


Figure 1: A visual overview of Tanzu Platform.

### The simplicity of code to production

The foundation of the Tanzu Platform experience is the “cf push” operation. This heritage is the base for what we refer to as the golden path to production. For developers, this is a streamlined workflow that removes the friction from software delivery, signaling the end of ticket-driven infrastructure and complex configuration files. Whether they are pushing a new microservice or an existing container, the experience is distilled into a single, high-level command.

Behind the scenes, the platform orchestrates the heavy lifting: It automatically detects the language and framework, consistently builds the container using secure buildpacks, validates the software bill of materials (SBOM), encrypts container networking with mTLS, and handles ingress. This code-to-production simplicity ensures that developers spend their energy writing logic that drives business value, rather than wrestling with the underlying complexity of infrastructure, Kubernetes clusters, or manual deployment pipelines.

## Supercharged for Spring: The gold standard for Java

Tanzu Platform is specifically optimized for the millions of developers building on Spring Boot, offering an enhanced experience that is unavailable on generic runtimes. VMware Tanzu is the steward of Spring, and using that expertise, Spring apps run best on Tanzu Platform. The platform automatically injects optimizations for Spring apps and provides awareness and unique topology views for them. This makes it easier for teams to keep their Spring apps current and performant without manual tracking.

This optimization extends into governance and resilience. Automated configuration of company-specific Java and Spring policies helps keep applications compliant by default, while Spring-specific instrumentation provides robust observability features and automatic validation of industry compliance standards. For organizations running mission-critical Java workloads, Tanzu Platform serves as the most resilient and secure home for the Spring ecosystem.

## Strategic onboarding: App assessment and modernization

The value of a high-velocity platform is only realized when workloads can be successfully onboarded. Tanzu Platform accelerates this transition by providing integrated application assessment and discovery capabilities. By analyzing existing application portfolios, the platform helps organizations identify which workloads are ready for immediate migration, which require modernization, and which are best suited for a cloud native refactor. This data-driven approach removes the guesswork from modernization projects, allowing teams to prioritize high-value applications and streamline the onboarding process. By providing a clear roadmap for legacy workloads, the platform ensures that the entire enterprise estate can benefit from the golden path without the risks associated with manual, unguided migrations.

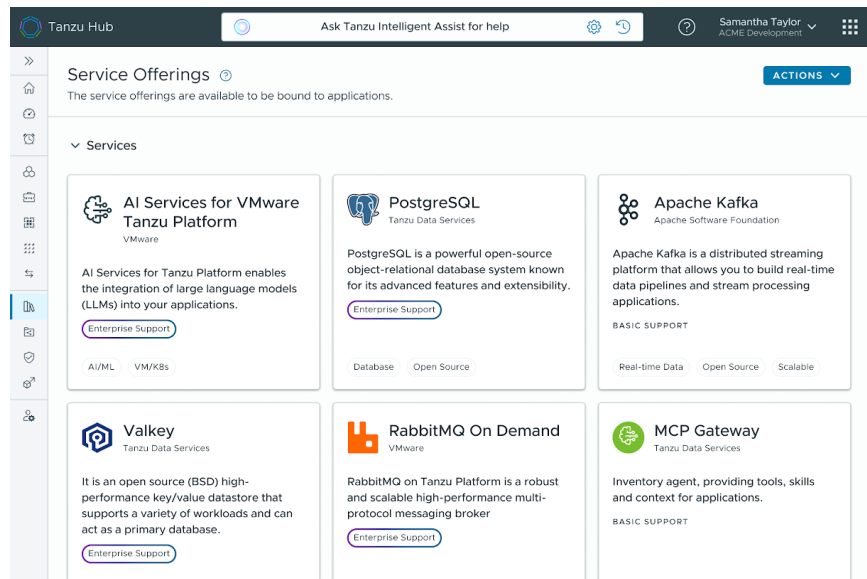


Figure 2: The Tanzu Platform service offering marketplace.

## Secure, self-provisioned services

Speed is meaningless if developers are blocked waiting for data or third-party services. Tanzu Platform provides teams with ticketless, on-demand access to a curated marketplace of mission-critical components, including enterprise offerings of popular open source data engines, such as VMware Tanzu RabbitMQ for real-time messaging and streaming, VMware Tanzu for Valkey for caching, and popular transactional data engines VMware Tanzu for Postgres, and VMware Tanzu for MySQL. Developers can **list**, **create**, and **bind** their applications to these services in seconds, while the platform automatically injects the necessary credentials and connection strings directly into the application runtime. This ecosystem extends to a rich collection of brokered services across AWS, GCP, and Azure, as well as partner tools like GitLab and New Relic.

This same **bind** logic now powers the AI era: Using the AI Gateway in Tanzu Platform, organizations can provide safe, governed access to approved AI models, including Anthropic, Gemini, OpenAI, Ollama, models hosted on VMware Private AI service, or any OpenAI wire format models. With built-in access control and application-specific token rate limiting, developers can build, deploy, and scale AI-enhanced applications without having to become model experts.

## The agentic era: Governing the autonomous future

As enterprises move beyond simple chatbots toward autonomous AI agents, Tanzu Platform introduces specialized agent foundations to solve the unique challenges of nondeterministic workloads. Unlike traditional foundations, agent foundations are engineered for accountability. Each agent has a uniquely trackable identity, ensuring all tool calls are verifiable and auditable.

To prevent agents from accessing unauthorized systems, the platform provides an AI sandbox with deny-by-default security posture. Agent networks are isolated, cannot shell out or run CLIs, and all secrets are securely stored in a centralized credential store.

Access to enterprise data must be explicitly granted via secure service bindings, while the Model Context Protocol (MCP) gateway centralizes tool

“With VMware Tanzu, we can now offer innovations faster, and the level of security has also increased as we work together with the local VMware team. The team worked closely with us during the proof-of-concept period, introduced us to other VMware Tanzu customers, and shared their valuable expertise with us.”

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governance. This allows organizations to lead the agentic era with a platform that treats AI agents as first-class citizens, governed by the same rigorous standards as traditional microservices.

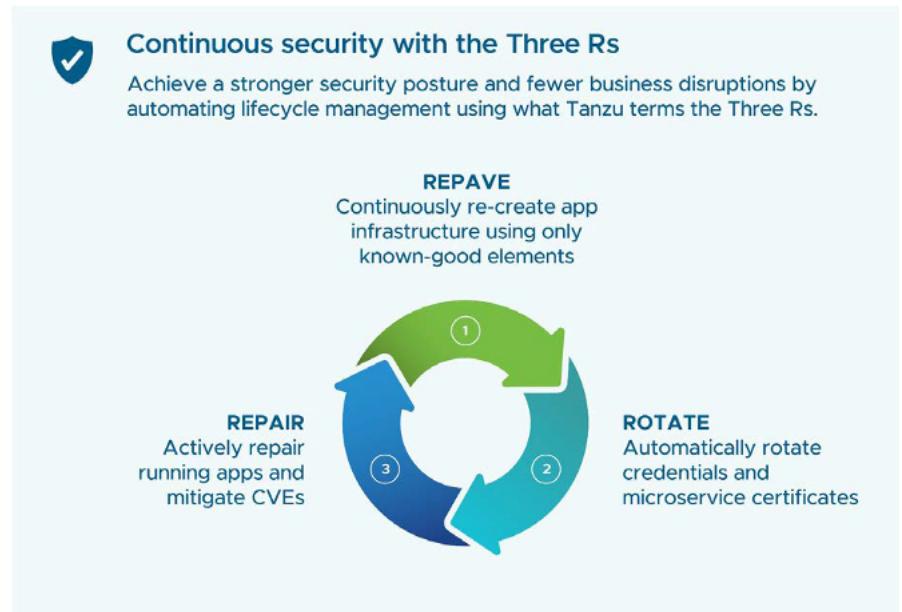


Figure 3: The Tanzu team’s three R’s of continuous security.

## Continuous security while accelerating app delivery

Tanzu Platform helps protect your apps and infrastructure with continuous, automated lifecycle management of the platform and applications. Tanzu Platform extends cloud native security and governance practices through the application lifecycle with what we call the **Three R’s**:

- **Repave**– Regularly redeploy the underlying app infrastructure without downtime to ensure every layer is in a known-good state, eliminating the drift or vulnerabilities that attackers exploit.
- **Repair**– Actively repair running applications by restaging them, automatically upgrading runtime versions, and updating code dependencies (CVEs) without requiring developer intervention.
- **Rotate**– Automatically rotate credentials and certificates and reduce the risk of leaked API tokens or passwords.

## Summary

To respond to market needs, it is essential for organizations to accelerate application delivery. However, without a unified set of capabilities and codified patterns, rapid app delivery can, at best, be cumbersome and, at worst, introduce risk and technical debt. Tanzu Platform offers a best-in-class developer experience, a simple set of developer commands, and shared visibility from app to data to infrastructure so enterprises can increase agility and speed up the delivery of apps to market.

For more information on **Tanzu Platform**, please visit [www.vmware.com/products/app-platform/tanzu](http://www.vmware.com/products/app-platform/tanzu) or contact us.