

VMware Tanzu

Modernize your applications and infrastructure to deliver better software to production, continuously

AT A GLANCE

VMware Tanzu is a family of products and services for building, running and managing modern apps on any cloud—and continuously delivering value to your customers.

The portfolio simplifies multi-cloud operations, while freeing developers to move faster with easy access to the right resources. VMware Tanzu enables development and operations' teams to work together in new ways that deliver transformative business results.

KEY BENEFITS

- **Ship great software faster**—Increase velocity with a modern software supply chain of frameworks, services and validated open source tech.
- **Simplify multi-cloud operations**—Get your infrastructure ready to run modern apps, and centrally manage your clouds, clusters and apps.
- **Transform Dev and Ops together**—Unite application developers and operations teams around the shared goal of fast release cycles.

OUTCOMES

- **Business acceleration** from productive developers, app velocity, innovative products, and happier customers.
- **High-performing operations** from a secure, resilient, scalable, accessible, cost-effective multi-cloud infrastructure by design.
- **Empowered teams** from building a modern culture focused on delivering customer value continuously. Retain and attract great talent too.

Modernize Your Applications to Accelerate Business

Most large enterprise companies today have millions of lines of existing code that are very difficult to maintain and change—but these applications are essential to the business. How can you extend the value of your existing software investment to benefit from the advantages of modern software delivery and operation? How can you simplify the way you run and manage modernized workloads alongside existing software?

Modernization requires a deep understanding of what it takes to build and run cloud-native, containerized apps, as well as what it takes to operate infrastructure at enterprise scale. Drawing on years of experience helping the world's largest companies build the foundation for digital business, VMware is here for what might be your most important work: modernizing your applications. The VMware Tanzu portfolio offers full-stack modernization, enabling you to transform your teams and your applications, while simplifying operations of your software across multi-cloud infrastructure.

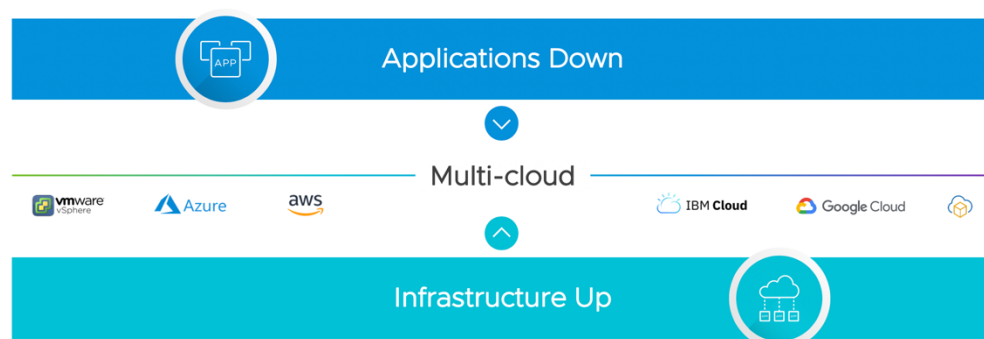


Figure 1: VMWARE TANZU FULL-STACK MODERNIZATION: APPLICATIONS AND INFRASTRUCTURE

VMware Tanzu in Action

With VMware Tanzu, you can transform your applications and infrastructure in a way that's right for you and at our own pace. If your first priority is to build better software faster, we can help you modernize the applications that matter most and automate the path to production. We can help you on the infrastructure side by establishing a unified operating model for virtual machines and containers within your private cloud. And we make it easy to extend that consistent operating model across clouds, taking full advantage of Kubernetes. Then we enable you to operate your modern infrastructure and applications centrally, securely, and at scale.

The following use cases provide more specifics about how you can modernize applications and infrastructure with VMware Tanzu.

VMWARE TANZU PRODUCTS

Tanzu Application Service

An intrinsically secure, scalable platform that automates the release and operation of your software, optimized for Spring, .NET, Go, Node.js, and more.

Tanzu Application Catalog

A customizable selection of open source, production-ready software from the Bitnami collection.

Tanzu Build Service (beta)

Automation for creating and maintaining production-ready containers at enterprise scale.

Tanzu Kubernetes Grid

An enterprise-ready Kubernetes runtime that streamlines operations across multi-cloud infrastructure.

Tanzu Mission Control

Centralized management to consistently operate and secure your Kubernetes infrastructure and modern apps across multiple teams and clouds.

Tanzu Service Mesh built on VMware NSX®

End-to-end operational networking, visibility, and security for microservices across any runtime and any cloud.

Tanzu Observability by Wavefront

A single platform for observing and analyzing infrastructure and application health across the multi-cloud enterprise.

Modernize existing applications: Your existing applications can be difficult to update, integrate, and scale. This can keep you from creating new, innovative digital experiences for your customers. It also adds risk over time by harboring potential security vulnerabilities. VMware Tanzu with VMware Pivotal Labs can help you create and execute *your* app modernization strategy. You may decide to containerize existing workloads to run in the cloud for quick gains in security and manageability. Or you can rearchitect and rewrite existing, business critical software to be continuously delivered and resilient. At the same time, you can modernize your infrastructure to simplify how you operate your clouds, clusters and apps—with security, stability, and scale in mind.

Improve the developer experience: If you're not enabling your developers to be productive, then you're slowing down your business. Developers should be able to focus on getting their code working in production, not on the underlying infrastructure. With VMware Tanzu, developers are set up with a complete software supply chain that can get them to production fast and continuously. They quickly can access verified open source containers ready for use in production apps, as well as the right environments to run their code. Plus, they can maintain visibility of applications in production to troubleshoot faster and improve their apps.

Speed Kubernetes enterprise adoption: While Kubernetes can streamline container delivery, it can be complex to deploy and operate itself. In fact, a top barrier to Kubernetes adoption in the enterprise is the lack of experience and expertise. VMware is addressing the Day 1 and Day 2 Kubernetes operations burden with a complete, easy-to-upgrade Kubernetes runtime with pre-integrated and validated components. This runtime is also integrated as a service in vSphere 7 with Kubernetes, which is available as part of VMware Cloud Foundation (VCF). Developers can access conformant clusters on demand via the native Kubernetes API and operators can provision secure access with vCenter.

Centrally manage clouds, clusters and apps: As your Kubernetes footprint grows to multiple data centers and clouds, how do you apply consistent policy and security, as well as effectively run your apps at a global scale? VMware Tanzu provides centralized lifecycle and policy management for all of your Kubernetes clusters across multiple teams and clouds. If you're deploying microservices, we can help you scale with complete service mesh management. You also get an observability platform that enables every team to understand how applications are operating—and resolve issues in real time before they impact the business.

VMWARE PIVOTAL LABS SERVICES

Technology alone can't improve IT—you also need the know-how to get the most from it. With **VMware Pivotal Labs**, you can master a modern way of building and operating software.

Pivotal Labs helps you jumpstart application development and modernization initiatives in a results-driven, iterative way. We enable you to create new cloud native apps, modernize existing apps, operate your platform as a product, and transform operations with Kubernetes. Let us help you create a culture shift that lasts.

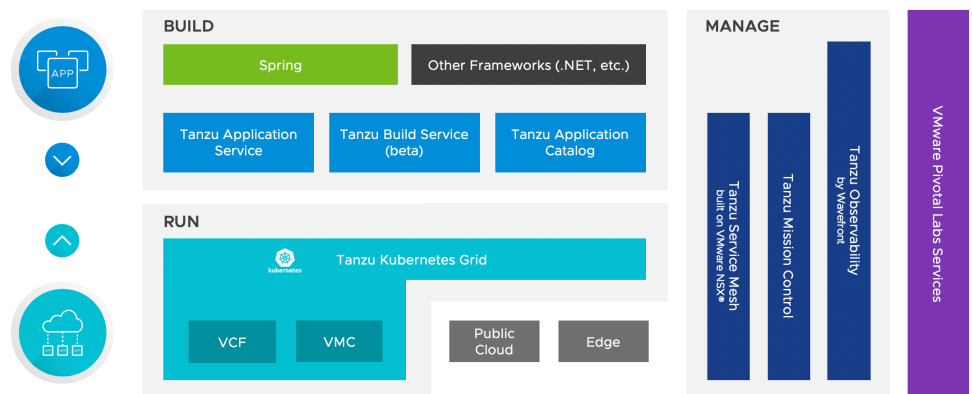


Figure 2: VMWARE TANZU PORTFOLIO STACK