INNOVATE

VMware vSphere 7 with Kubernetes

The Agility You Need for Your Digital Transformation Journey

World Wide Technology + vmware®

For CIOs in enterprises today, the pressure is on to help grow revenue and maintain a competitive advantage. Line of business leaders are clamoring for the type of modern applications that deliver better user experiences and increase market share, and theywant these applications in production faster than ever before.

Modern apps are like distributed systems
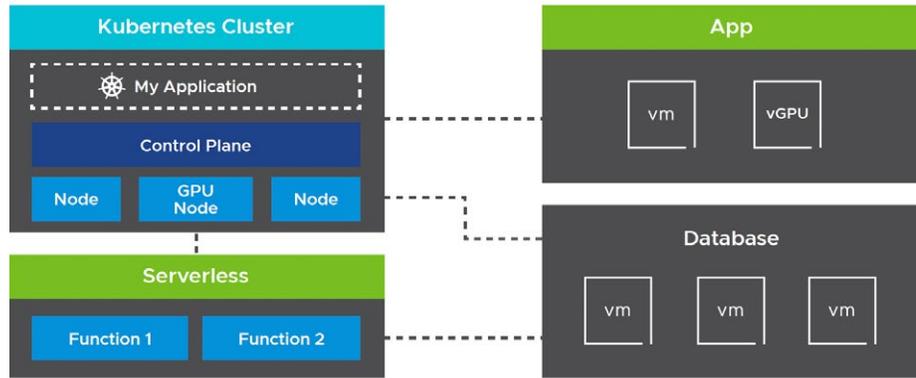
Challenges Posed by Modern Apps

Modern apps can create challenges, however. More complex than traditional apps, they are often made up of multiple VMs, containers, and services and run across heterogeneous architectures.

	Traditional Data Center Infrastructure	Modern Cloud Infrastructure
Operating Models	• Product-oriented • Waterfall release methodology designed for monolithic applications	• API and service-oriented • Continuous integration and continuous delivery (CI/CD) and agile methodologies designed for microservices architectures
Impact on Developer and Operator Teams	• Operators within IT wrestle with traditional processes and are challenged to collaborate with developers.	• Operators outside of IT leverage API-driven services and partner closely with developers. • Developers end up performing operations related to networking and lifecycle management for modern applications.
Performance and Agility	• Operators can't deliver the benefits of the cloud operating model, which drives app teams to the cloud.	• Operators are challenged to maintain consistent adherence to enterprise policies.

Essential Services for the Hybrid Cloud

VMware solved these challenges with the introduction of VMware vSphere. Available in VMware Cloud Foundation™— the VMware hyperconverged infrastructure (HCI) stack that combines compute, storage, and networking with unified management—vSphere 7 with Kubernetes enables streamlined development, agile operations, and accelerated innovation for all enterprise applications.

vSphere 7 provides:

Essential services for modern apps	Simplified lifecycle management	Intrinsic security	Application acceleration

So you can take advantage of:

- Enterprise resiliency
- Agility, flexibility, and productivity
- Cost savings
- Efficient resource utilization

- Simplified operations
- Application governance
- Investment protection
- Availability

STREAMLINED DEVELOPMENT

Developers can focus on building applications instead of managing infrastructure.

AGILE OPERATIONS

IT administrators benefit from application-level control for applying policies, as well as quota and role-based access for developers.

ACCELERATED INNOVATION

Run modern applications composed of VMs, containers, and Kubernetes clusters on a unified platform.

Innovate Your Path into the Future

VMware vSphere 7 with Kubernetes unites the data center and the cloud with an integrated cloud operating model, creating a flexible environment for modern apps that are built from microservices and run across heterogenous environments. Now enterprises can increase the productivity of developers and operators, enabling faster time-to-innovation combined with the security, stability, and governance, and avoid cost proliferation due to multiple stacks of IT infrastructure or cloud services.
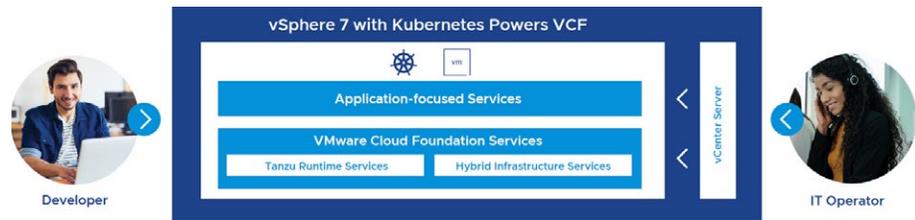
What Does Your Cloud Landscape Look Like?

Hybrid cloud offers a vision of applications running wherever they maximize value while also meeting business requirements. But cloud platforms remain a confusing topic for many organizations. Leveraging our expertise, you can distinguish and understand hybrid cloud platforms to determine how they should fit into your overall cloud landscape and strategy

Why WWT for VMware Solutions

Our unique expertise in on-prem, private cloud, public and hybrid cloud solutions allows us to advise and execute at every step of your organization's cloud journey. Our highly trained and certified practitioners in VMware products will work with every level of your organization — from C-level to engineering — to scale and extend your businesses to the public cloud, while delivering a consistent experience.

Ask About Our Application Services

Our Application Services team can provide overview sessions and technical assessments with key stakeholders to focus on your existing strategy. Additionally, we can lead strategy development by partnering with you to develop specific application architectures and processes for cloud initiatives. This includes advising on VMware technologies, processes, public cloud providers and market trends.

DESTINATION TRANSFORMATION

Powered by WWT + VMware