VMware Tanzu™ Basic

VMware Tanzu

THREE REASONS TO TRUST VMWARE TANZU EDITIONS TO CATALYZE APPLICATION MODERNIZATION:

• VMware is a top contributor to the open source Kubernetes project and leads multiple principal open source efforts.

• Tanzu Basic customers can gain access to Kubernetes constructs through their existing infrastructure, managed by their existing teams.

• Tanzu Basic customers can easily step-up to Tanzu Standard to extend their footprint beyond vSphere to multiple clouds.

Your Challenge

Your organization has started to adopt containers and there's an emerging need to support off-the-shelf containerized workloads. It's not the time to reinvent the wheel or introduce expensive and complicated proprietary container management solutions. You need to be able to embrace containers today and position yourself to handle more complex workloads at a future date.

Introducing Tanzu Editions

VMware Tanzu editions package capabilities of the Tanzu portfolio into clearly defined solutions targeted at the most common enterprise challenges. There are four Tanzu editions, each a superset of the one before it along a spectrum, giving customers a clear path to add capabilities over time as needed.

Simplify Kubernetes adoption	Deploy custom applications on Kubernetes	Transform the software path to production
Tanzu Basic Run Kubernetes IN vSphere	**Tanzu Advanced** Embrace DevOps delivery of workloads on Kubernetes	**Tanzu Enterprise** Drive developer velocity with automated application platform
Tanzu Standard Run and manage Kubernetes across multiple clouds		

Introducing Tanzu Basic

Tanzu Basic is the most affordable and accessible Tanzu edition. It includes everything an enterprise needs to make best use of Kubernetes as part of its vSphere-based infrastructure. vSphere 7 with Tanzu Basic embeds Kubernetes in the vSphere control plane, addressing the needs of both operators and developers focused on off-the-shelf workloads. Operators can support virtual machines and containers side-by-side on a unified platform, group these elements into applications and simplify management. Developers gain self-service access resources using Kubernetes APIs and speed development processes.

With Tanzu Basic you can embed Kubernetes **in** vSphere 7 or deploy your own management cluster **on** vSphere 6.7U3 or vSphere 7. Tanzu Basic is available in a convenient bundle with vSphere 7 Enterprise Plus.

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Capabilities

The most notable capabilities of Tanzu Basic are:

- **Open source-aligned Kubernetes.** Tanzu Basic is built on upstream Kubernetes, packaged with an installer to simplify enterprise adoption. We include Cluster API, an open source project embraced by hyperscalers and industry leaders, for cluster lifecycle management. In short, Tanzu Basic delivers you integrated, easy access to the energy and innovation of the Kubernetes community.

- **Optimal use of ecosystem projects.** Tanzu Basic makes the best use of open source projects to address key requirements for Kubernetes-based container management. This includes Harbor for image registry and the Fluent projects (Fluent Bit & Fluentd) for observability.

- **Expert VMware support.** The open source projects included with Tanzu Basic are also part of our support matrix with the backing of an expert customer services team, so you can use them with complete confidence.

A complete chart of components is listed below:

COMPONENTS	TANZU BASIC
vSphere 7-specific capabilities	vSphere Pod service*, Storage service, Network service, Registry service*
Kubernetes cluster lifecycle management	Cluster API
Image registry	Harbor
Container networking	Antrea/Calico
Load balancing	VMware Load Balancer Services for Kubernetes
Observability	Fluent Bit & Fluentd
Operating System	PhotonOS

Require NSX*

Outcomes

Enterprises that use Tanzu Basic will put Kubernetes at the fingertips of their current team as part of their existing infrastructure. They benefit from:

- **Simplified adoption of cloud native constructs** through familiar tools. VI Admins can provision Kubernetes clusters using the same processes they already use to provision virtual machines.

- **Developer-ready infrastructure** that uses Kubernetes APIs to make traditional resources (networking, storage, etc.) available as services within clearly defined guardrails set by the operations team.

- **Access to the innovation of the Kubernetes community** with a solution that integrates leading open source projects, wraps them in enterprise-grade installers and UI, and is fully supported by VMware experts.