

# VMWARE TANZU KUBERNETES GRID

Unify your multi-cloud infrastructure and operations with VMware Tanzu Kubernetes Grid

## VMWARE TANZU KUBERNETES GRID AT A GLANCE

- Tanzu Kubernetes Grid is an CNCF-certified, enterprise-ready Kubernetes runtime that streamlines operations across a multi-cloud infrastructure.

## RUN KUBERNETES ON THE INFRASTRUCTURE OF YOUR CHOICE

### *In your VMware private cloud*

Run Tanzu Kubernetes Grid, embedded into vSphere, to provide a native experience for VI admins to quickly provision Tanzu Kubernetes Clusters

### *In the public cloud*

Run Tanzu Kubernetes Grid as a service, supported by VMware with Tanzu Kubernetes Clusters on your IaaS

### *At the edge*

Enable lightweight deployments and streamlined multi-cluster operations in distributed edge environments with guidance from VMware Pivotal Labs

## LEARN MORE:

To find out more about VMware Tanzu Kubernetes Grid, visit the product page at <https://cloud.vmware.com/tanzu-kubernetes-grid>

When running containers at scale in production—tens of thousands of containers across your enterprise—things get complex. You must have ways to automate the deployment and management of all those containers on clusters of virtual or physical machines. Kubernetes, the industry-standard for container management, can streamline container orchestration to avoid the complexities of interdependent system architectures. However, there's still considerable heavy lifting that an operations team must do to stand-up and manage a Kubernetes runtime consistently – especially if you're running in multiple data centers and clouds. They must also have the in-house expertise to design, deploy and integrate all the necessary components.

Tanzu Kubernetes Grid is engineered to simplify installation and Day 2 operations of Kubernetes across your enterprise. It is tightly integrated with vSphere and can be extended to run with consistency across your public cloud and edge environments. Tanzu Kubernetes Grid delivers multiple benefits to unlock the full potential of upstream Kubernetes and its burgeoning ecosystem of open-source cloud native technology:

### SIMPLIFIED INSTALLATION

Tanzu Kubernetes Grid is engineered to include the tools and open source technologies needed to deploy and consistently operate a scalable Kubernetes environment wherever you need it to run—in your data center and VMware private cloud, in the public cloud, at the edge, or across multiple clouds.

### AUTOMATED MULTI-CLUSTER OPERATIONS

With declarative, multi-cluster lifecycle management, an API and CLI tool, and streamlined upgrades and patching, Tanzu Kubernetes Grid helps you more easily manage large-scale, multi-cluster Kubernetes deployments and automate manual tasks to reduce business risk and focus on more strategic work.

### INTEGRATED PLATFORM SERVICES

Tanzu Kubernetes Grid streamlines the deployment of local and in-cluster services to simplify the configuration of container image registry policies, monitoring, logging, ingress, networking and storage, and ready your Kubernetes environment for production workloads.

### OPEN SOURCE ALIGNMENT

Run your containerized applications on an upstream-aligned Kubernetes distribution and key open source technologies like Cluster API, Fluentbit, and Contour, so that you can enable portability and benefit from the support and innovation of the global Kubernetes community. Get break-fix and proactive support for your open source ecosystem with Customer Reliability Engineering.