

## [VMTKGICMV1.0]: VMware Tanzu Kubernetes Grid: Install, Configure, Manage

Length : 2 Days  
Delivery Method : Instructor-led (Classroom)

### Course Overview

During this two-day course, you focus on installing VMware Tanzu™ Kubernetes Grid™ on a VMware vSphere® environment and then provisioning and managing Tanzu Kubernetes clusters.

### Audience Profile

- VI administrators who are responsible for deploying and managing Tanzu Kubernetes clusters.

### At Course Completion

- Describe how Tanzu Kubernetes Grid fits in the VMware Tanzu™ portfolio
- Describe the Tanzu Kubernetes Grid architecture
- Deploy management clusters
- Deploy Tanzu Kubernetes clusters
- Configure your Tanzu Kubernetes Grid instance for authentication, logging, and ingress
- Perform basic troubleshooting

### Pre-Requisites

- Working knowledge of Kubernetes.

### Course Outline

#### Module 1: Course Introduction

##### Lessons

- Introductions and course logistics
- Course objectives

#### Module 2: What Is VMware Tanzu Kubernetes Grid?

##### Lessons

- Tanzu Kubernetes Grid in the VMware Tanzu portfolio
- Tanzu Kubernetes Grid concepts
- Tanzu Kubernetes Grid CLI

#### Module 3: Management Cluster

##### Lessons

- Preparing the vSphere environment
- Creating management clusters
- Managing management clusters

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**Module 4: Tanzu Kubernetes Clusters****Lessons**

- Cluster API
- Deploying Tanzu Kubernetes clusters
- Tanzu Kubernetes cluster architecture

**Module 5: Configuring and Managing Tanzu Kubernetes Grid Instances****Lessons**

- Tanzu Kubernetes Grid extensions
- Logging
- Ingress control
- Authentication

**Module 6: Troubleshooting****Lessons**

- Crash recovery and diagnostics for Kubernetes
- Troubleshooting commands