

Day - 1

- **Course Introduction**

- Course Introduction
- Introductions and course logistics
- Course objectives
- VMware Enterprise PKS Value Proposition
- Kubernetes and VMware Enterprise PKS Overview
- Changes in Software Development Practices

- **Containers Overview**

- Containers Overview
- Kubernetes Overview
- Managing Kubernetes with VMware Enterprise PKS
- VMware Enterprise PKS Architecture
- Introduction to BOSH

- **Introduction to Kubernetes in VMware**

- Introduction to Kubernetes in VMware Enterprise PKS
- Introduction to Operations Manager
- Introduction to the VMware Enterprise PKS Control Plane
- Introduction to Harbor
- Introduction to VMware Enterprise PKS Management Console

- **Networking VMware Enterprise PKS**

- Networking VMware Enterprise PKS with NSX-T
- Overview of NSX-T Data Center and its uses
- Logical Switching, Routing, Load Balancing and NATs
- VMware NSX-T Data Center integration with Kubernetes
- Logical topologies

Day - 2

- **Physical Topologies**

- Managing VMware Enterprise PKS
- Physical topologies
- Tools to manage VMware Enterprise PKS

- **Managing users**

- Managing users
- Network profiles
- Creating clusters

Day - 3

- **Introduction to Kubernetes**

- Introduction to Kubernetes
- Persistent storage
- NSX-T Data Center Integration with VMware Enterprise PKS and Tools
- Managing clusters

- **Managing Resources**

- Managing Resources
- Upgrading VMware Enterprise PKS
- Backup and restore

Day – 4

- **Monitoring VMware Enterprise PKS**
 - Monitoring VMware Enterprise PKS
 - Using vRealize Log Insight with VMware Enterprise PKS
 - Using vRealize Operations with VMware Enterprise PKS
- **Using Wavefront® by VMware® with VMware Enterprise PKS**
 - Using Wavefront® by VMware® with VMware Enterprise PKS
 - Using the Kubernetes dashboard
 - VMware Enterprise PKS logging sinks

Day - 5

- **Installing VMware Enterprise PKS**
 - Installing VMware Enterprise PKS
 - Overview of the Installation Process
 - Install using Operations Manager
 - Installing VMware Enterprise PKS
 - Installing Harbor
- **Troubleshooting VMware Enterprise PKS**
 - Troubleshooting VMware Enterprise PKS
 - Troubleshooting with Bosh
 - Retrieving Logs
 - Troubleshooting Tips