

VMware 7.0

VMware vSphere: Install, Configure, Manage ESXi 7 and vCenter Server 7

1: Introduction to vSphere and the Software-Defined Data Center

- Overview of vSphere and Virtual Machines
- vSphere Virtualization of Resources
- vSphere User Interfaces
- Overview of ESXi

2: Virtual Machines

- Creating Virtual Machines
- Virtual Machine Hardware Deep Dive
- Introduction to Containers

3: vCenter Server

- Centralized Management with vCenter Server
- Deploying vCenter Server Appliance
- vSphere Licensing
- Managing the vCenter Server Inventory
- vCenter Server Roles and Permissions
- Backing Up and Restoring vCenter Server Appliance
- Monitoring vCenter Server Appliance
- vCenter Server High Availability

4: Configuring and Managing Virtual Networks

- Introduction to vSphere Standard Switches
- Configuring Standard Switch Policies

5: Configuring and Managing Virtual Storage

- Storage Concepts
- Fibre Channel Storage
- iSCSI Storage
- VMFS Datastores
- NFS Datastores
- vSAN Datastores

6: Virtual Machine Management

- Creating Templates and Clones
- Working with Content Libraries
- Modifying Virtual Machines
- Migrating VMs with vSphere vMotion
- Enhanced vMotion Compatibility
- Migrating VMs with vSphere Storage vMotion
- Creating Virtual Machine Snapshots
- vSphere Replication and Backup

7: Resource Management and Monitoring

- Virtual CPU and Memory Concepts
- Resource Controls
- Resource Monitoring Tools
- Monitoring Resource Use
- Using Alarms

8: vSphere Clusters

- vSphere Clusters Overview
- vSphere DRS
- Introduction to vSphere HA
- vSphere HA Architecture
- Configuring vSphere HA
- Introduction to vSphere Fault Tolerance

9: vSphere Lifecycle Management

- vCenter Server Update Planner
- Overview of vSphere Lifecycle Manager
- Working with Baselines
- Working with Cluster Images