

# VMWA-28 - VMWARE VSPHERE: ADVANCED ADMINISTRATION WORKSHOP

[V7]

Categoria: VMware

## INFORMAZIONI SUL CORSO



Durata:  
5 Giorni



Categoria:  
VMware



Qualifica Istruttore:  
VMware Certified  
Instructor



Dedicato a:  
Professionista IT



Produttore:  
VMware

## OBIETTIVI

By the end of the course, you should be able to meet the following objectives:

- Enable cluster features and configure vSphere storage and networking
- Use host profiles to automate host configurations
- Use Cluster Quickstart to create a VMware vSAN™ enabled cluster
- Configure the VMware vCenter Server® identity provider
- Troubleshoot host connectivity and storage connectivity
- Perform lifecycle operations on vSphere components
- Implement security hardening guidelines to vSphere and virtual machines

## PREREQUISITI

This course requires the following prerequisites:

- Completion of VMware vSphere: Optimize and Scale [V7] course
- VMware Certified Professional – Data Center Virtualization (VCP-DCV) certification
- System administration experience on Microsoft Windows or Linux operating systems

## CONTENUTI

### 1 Course Introduction

- Introductions and course logistics
- Course objectives
- Introduction to fictitious company: VMBeans

### 2 Creating and Configuring Management Clusters

- Enable cluster features that help to improve resource allocation and availability of virtual machines
- Use standard virtual switches to create networking in a cluster
- Recognize when to use VMware vSphere® vMotion®
- Recognize requirements for using iSCSI
- Identify the purpose of iSCSI multipathing

- Select the appropriate vSphere storage types to meet requirements
- Recognize when to configure ESXi NTP support
- Recognize ESXi user account best practices
- Configure ESXi host settings
- Use host profiles appropriately

### **3 Creating and Configuring Productions Clusters**

- Use Cluster Quickstart to create a vSAN enabled cluster
- Configure advanced vSphere HA settings
- Recognize the benefits of Active Directory Federation Services (ADFS)
- Configure the vCenter Server identity provider
- Assign specific permissions and roles to ADFS users
- Recognize how Enhanced vMotion Compatibility benefits VM mobility
- Perform a Cross vCenter Server Migration
- Use content libraries to share virtual machine templates between sites

### **4 Troubleshooting vSphere and Backing Up Configurations**

- Troubleshoot ESXi connectivity issues
- Troubleshoot iSCSI storage issues
- Troubleshoot vSphere cluster resources
- Troubleshoot VMware PowerCLI™ issues
- Back up vCenter Server

### **5 Lifecycle Management**

- Troubleshoot upgrade-blocking issues
- Increase logging levels on vCenter Server
- Configure a VMware Tools™ shared repository
- Upgrade vCenter Server
- Upgrade ESXi
- Upgrade VMware Tools
- Upgrade Virtual Machine Compatibility
- Work with VM placement rules

### **6 vSphere Security**

- Manage advanced virtual machine configurations
- Configure a key management server
- Encrypt virtual machines using vSphere VM encryption
- Secure VMs in transit with encrypted vSphere vMotion
- Identify and implement different ESXi CPU scheduler options
- Apply security hardening guidelines to ESXi hosts
- Replace vCenter Server certificates with trusted CA-signed certificates
- Deploy a new vCenter Server instance
- Reconfigure the primary network identifier for vCenter Server

## **INFO**

Center Virtualization Deploy (VCAP-DCV Deploy)

**Materiale didattico:** Materiale didattico ufficiale VMware in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)