VMWA-28 - VMWARE VSPHERE: ADVANCED ADMINISTRATION [V8]

Categoria: **VMware**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	VMware	VMware Certified Instructor	Professionista IT	VMware

OBIETTIVI

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

-Configure VMware vCenter and VMware ESXi
-Configure and manage a vSphere cluster solution for vSphere HA, vSphere DRS, and vSAN
-Configure vSphere storage and networking
-Perform lifecycle operations on vSphere components
-Troubleshoot vSphere infrastructure and connectivity issues
-Back up vCenter configurations
-Implement solutions for securing the vSphere infrastructure

PREREQUISITI

This course requires the following prerequisites:

-VMware vSphere: Install, Configure, Manage
-VMware vSphere: Operate, Scale, and Secure
-Working knowledge of VMware vSAN
-System administration experience on Microsoft Windows or Linux operating systems

CONTENUTI

1 Course Introduction

-Introductions and course logistics
-Course objectives

2 Creating and Configuring Management Clusters

-Create a vSphere cluster for management workloads
-Activate vSphere cluster features that help to improve resource allocation and availability of virtual machines
-Use standard virtual switches to create networking in a cluster
-Select the appropriate vSphere storage types to meet requirements
-Configure iSCSI storage
-Configure VMFS and NFS datastores
-Recognize when to configure ESXi NTP and PTP support

-Recognize ESXi user account best practices
-Configure ESXi host settings
-Use vSphere configuration profiles to maintain consistent ESXi host configurations

3 Creating and Configuring Productions Clusters

-Use Cluster Quickstart to create a vSAN-activated cluster
-Configure advanced vSphere HA settings
-Configure the vCenter identity provider
-Assign specific permissions and roles to Active Directory Federation Services (ADFS) users
-Configure Enhanced vMotion Compatibility on a cluster and a VM
-Perform a Cross vCenter Server migration
-Use content libraries to share virtual machine templates between sites
-Manage VM and ESXi host resources using resource pools, scalable shares, and vSphere DRS rules

4 Troubleshooting vSphere and Backing Up Configurations

-Troubleshoot ESXi connectivity issues
-Troubleshoot ESXi storage issues
-Troubleshoot vSphere cluster issues
-Troubleshoot PowerCLI issues
-Generate vCenter and ESXi log bundles
-Back up vCenter
-Create a vCenter profile to standardize configurations in the environment

5 Lifecycle Management

-Troubleshoot upgrade-blocking issues
-Increase logging levels on vCenter
-Configure a VMware Tools™ shared repository
-Upgrade vCenter
-Upgrade ESXi
-Upgrade VMware Tools
-Upgrade virtual machine hardware compatibility

6 vSphere Security

-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 certificates with trusted CA-signed certificates
-Reconfigure the primary network identifier for a vCenter instance

INFO

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)