

VS70-AAWS (VMWARE VSPHERE: ADVANCED ADMINISTRATION WORKSHOP [V7]) 7

Objetivo

Objectives 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

Público Alvo

Intended audience

- System administrators
- System engineer

Pré-requisitos

Prerequisites 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

Carga Horária

40 horas (5 dias).

Conteúdo Programático

COURSE OUTLINE

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