

VMware vSphere: Advanced Administration Workshop

Délka kurzu: 5 dnů

Počet účastníků: 1

Náplň kurzu:

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 Production 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
