



VMW-WN70 - VMware vSphere: What's New [V6.7 to V7]

Vmware - Vmware - Virtualizzazione e Cloud

Durata:

2.5 Giorni

Lingue:

Italiano

Certificazione:

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Descrizione del corso

In this hands-on training course, you explore the new features and enhancements in VMware vCenter Server® 7.0 and VMware ESXi™ 7.0. Real-world use-case deployment scenarios, hands-on lab exercises, and lectures teach you the skills that you need to effectively implement and configure VMware vSphere® 7. This course is recommended for customers who want to deploy vSphere 7 in their existing vSphere environment. Certifications: Attending this course allows candidates who hold a valid VCP-DCV 2019 to upgrade to VCP-DCV 2020 without taking the certification exam. This course is offered in collaboration with Esprinet S.p.A, VMware Authorized Training Centers (VATC).

Programma

1. Course Introduction

- Introductions and course logistics
- Course objectives

2. Installation and Upgrade

- Describe the new vCenter Server Appliance deployment model
- Upgrade a vCenter Server Appliance instance to vCenter Server Appliance 7.0
- Migrate a Windows vCenter Server instance to vCenter Server Appliance 7.0
- Identify enhancements to vCenter Server Appliance

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- Upgrade an ESXi host to version 7.0

3. Management Enhancements

- Recognize how to create and apply vCenter Server profiles
- Identify the scaling and performance improvements for vCenter Server Appliance
- Describe the support provided for dynamic DNS
- Recognize how to change the IP address or FQDN of vCenter Server
- Identify enhancements to the vCenter Server file-based backup
- Identify enhancements to tools provided by the vSphere Client Developer Center
- Describe prefix-based MAC address allocation
- Identify VMware NSX-T™ logical switches and their properties in the vSphere Client
- Describe version control and management of VM templates in Content Library
- Perform a VM template in-place update in Content Library
- Describe identity federation and recognize its use cases
- Configure identity federation
- Manage certificates using the vSphere Client
- Explain the benefits and capabilities of VMware Skyline™

4. ESXi Enhancements

- Recognize the enhancements made to ESXi security
- Identify hardware support updates in ESXi 7.0
- Recognize layout changes in the ESXi 7.0 system storage partitions
- Describe the enhancements made to ESXi timekeeping options in vSphere 7

5. VM Enhancements

- Identify the characteristics of VM compatibility level for ESXi 7.0
- Describe the support provided for new virtual devices in vSphere 7
- Recognize improvements to guest customization
- Migrate VMs with attached devices

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6. Storage Enhancements

- Describe the enhancements to NVMe support
- Describe the enhancements to VMware Pluggable Storage Architecture
- Describe the purpose of the High-Performance Plug-in
- Describe the support for iSER in vSphere 7
- Describe support for iSER in vSphere 7
- Identify VMware vSAN™ enhancements for vSphere 7

7. Security Enhancements

- Describe the enhancements to cloning, migration, and encryption operations
- Identify the enhancements to the VM encryption architecture in vSphere 7
- Recognize new VM encryption events and alarms
- Describe the benefits and use cases of VMware vSphere® Trust Authority™
- Explain the general architecture of vSphere Trust Authority
- Configure vSphere Trust Authority

8. Cluster Enhancements

- Recognize how to configure clusters using the vSphere Cluster Quickstart workflow
- Recognize improvements to vSphere DRS
- Identify improvements to vSphere ESX Agent Manager
- Describe scalable shares
- Configure VMware vSphere® DirectPath I/O™

9. vSphere Lifecycle Management

- Describe features of vCenter Server Update Planner
- Run vCenter Server upgrade prechecks and interoperability reports
- Describe vSphere Lifecycle Manager
- Compare vSphere Lifecycle Manager to vSphere Update Manager
- Identify the components of an ESXi image
- Define a cluster image and update ESXi hosts using vSphere Lifecycle Manager

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10. Introduction to VMware vSphere® with Kubernetes

- Differentiate between containers and virtual machines
- Identify the parts of a container system
- Recognize the steps in a basic Docker workflow
- Explain the importance of Kubernetes
- Recognize the basic architecture of Kubernetes
- Describe a basic Kubernetes workflow

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