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

Vmware - Vmware - Virtualizzazione e Cloud

Durata:	Lingue:	Certificazione:
3 Giorni	**Italiano**	**-**

Descrizione del corso

In this three-day, 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

• 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

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

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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