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VMWA-10 - VMWARE VSPHERE: OPERATE, SCALE AND SECURE [V8]

Categoria: VMware

INFORMAZIONI SUL CORSO









Durata: 5 Giorni

Categoria: VMware

Qualifica Istruttore: VMware Certified Instructor

Dedicato a: Professionista IT Produttore: VMware

OBIETTIVI

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

-Configure and manage a VMware Tools Repository

-Configure vSphere Replication and recover replicated VMs

-Manage VM resource usage with resource pools

-Configure and manage vSphere networking and storage for a large and sophisticated enterprise

-Configure VMware vCenter Server® High Availability

-Use host profiles to manage VMware ESXi™ 8 host compliance

-Use the vSphere Client and the command line to manage certificates

-Monitor the vCenter, ESXi, and VMs performance in the vSphere client

-Secure VMware vCenter® 8, ESXi, and VMs in your vSphere environment

-Use Identity Federation to configure the vCenter to use external identity sources

-Use VMware vSphere® Trust Authority™ secure the infrastructure for encrypted VMs

PREREQUISITI

This course requires the following:

-Attend course VMware vSphere: Install, Configure, Manage [V8]

-Equivalent knowledge and administration experience with ESXi and vCenter

-Experience with working at the command line is highly recommended.

CONTENUTI

1 Course Introduction

-Introductions and course logistics

Course objectives

2 Virtual Machine Operations

-Recognize the role of a VMware Tools™ Repository

-Configure a VMware Tools Repository

-Recognize the backup and restore solution for VMs

-Identify the components in the VMware vSphere® Replication™ architecture



-Deploy and configure vSphere Replication and VMware Site Recovery™ instances

-Recover replicated VMs

3 vSphere Cluster Operations

- -Create and manage resource pools in a cluster
- -Describe how scalable shares work
- -Describe the function of the vCLS

-Recognize operations that might disrupt the healthy functioning of vCLS VMs

4 Network Operations

- -Configure and manage vSphere distributed switches
- -Describe how VMware vSphere® Network I/O Control enhances performance
- -Explain distributed switch features such as port mirroring and NetFlow
- -Define vSphere Distributed Services Engine
- -Describe the use cases and benefits of VMware vSphere® Distributed Services Engine™

5 Storage Operations

- -Discuss vSphere support for NVMe and iSER technologies
- -Describe the architecture and requirements of vSAN configuration
- -Describe storage policy-based management
- -Recognize components in the VMware vSphere® Virtual Volumes™ architecture
- -Configure Storage I/O Control

6 vCenter and ESXi Operations

- -Create a vCenter backup schedule
- -Recognize the importance of vCenter High Availability
- -Explain how vCenter Server High Availability works
- -Use host profiles to manage ESXi configuration compliance
- -Recognize the benefits of using configuration profiles
- -Use the vSphere client and the command line to manage certificates

7 vSphere Monitoring

- -Monitor the key factors that can affect a virtual machine's performance
- -Describe the factors that influence vCenter performance
- -Use vCenter tools to monitor resource use
- -Create custom alarms in vCenter
- -Describe the benefits and capabilities of VMware Skyline™
- -Recognize uses for VMware Skyline Advisor™ Pro

8 vSphere Security and Access Control

- -Recognize strategies for securing vSphere components, such as vCenter, ESXi hosts, and virtual machines
- -Describe vSphere support for security standards and protocols
- -Describe identity federation and recognize its use cases
- -Configure identity federation to allow vCenter to use an external identity provider

9 vSphere Trusted Environments and VM Encryption

- -Configure ESXi Host Access and Authentication
- -Describe virtual machine security features
- -Describe the components of a VM encryption architecture



-Create, manage, and migrate encrypted VMs

-List VM encryption events and alarms

-Describe the benefits and use cases of vSphere Trust Authority

INFO

Esame: 2V0-21.23 - VMware vSphere 8.x Professional --- VMware Certified Professional - Data Center Virtualization (VCP-DCV)

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)