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

Categoria: **VMware**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	VMware	VMware Certified Instructor	Professionista IT	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)