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)