VMW-OPSC - VMware vSphere: Operate, Scale and Secure [V8]

Vmware - Vmware - Virtualizzazione e Cloud

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

Descrizione del corso

Il **Corso VMware vSphere: Operate, Scale and Secure [V8]** è un'esperienza formativa che fornisce ai partecipanti competenze avanzate per la gestione e il mantenimento di un'infrastruttura virtuale scalabile e altamente disponibile.
Il corso è offerto in collaborazione on Esprinet S.p.A.

Programma

Module 1: Course Introduction and Virtual Machine Operations

- Introductions and course logistics
- Course objectives
- 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

Module 2: 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

Module 3: 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™

Module 4: 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

Module 5: 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

Module 6: 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

Module 7: 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

Module 8: 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