

VMware vSphere: Install, Configure, Manage

Duración: 5 Días Código del Curso: VSICM Version: 6.0

Temario:

VMware vSphere: Install, Configure, Manage is our best-selling course. It features intensive hands-on training that focuses on installing, configuring, and managing VMware vSphere® 6, which includes VMware ESXi™ 6 and VMware vCenter Server™ 6. This course will give you a solid understanding of how to administer a vSphere infrastructure for an organization of any size.

Curso Cerrado (In-Company)

Debido a que nuestra formación es modular, nuestros responsables de formación e instructores pueden trabajar con usted y su equipo para detectar las necesidades formativas y adaptar un temario de forma rápida y rentable. Durante una formación cerrada, usted recibirá una formación de expertos en un curriculum adaptado a sus necesidades.

Dirigido a:

System administrators
Systems engineers

Objetivos:

- Describe the software-defined data center
- Deploy an ESXi host and create virtual machines
- Describe vCenter Server architecture
- Deploy a vCenter Server instance or VMware vCenter Server™ Appliance™
- Use vCenter Server to manage an ESXi host
- Configure and manage vSphere infrastructure with VMware vSphere® Client™ and VMware vSphere® Web Client
- Configure virtual networks with vSphere standard switches
- Use vCenter Server to manage various types of host storage
- Manage virtual machines, templates, clones, and snapshots
- Create a vApp
- Describe and use the content library
- Migrate virtual machines with VMware vSphere® vMotion®
- Use VMware vSphere® Storage vMotion® to migrate virtual machine storage
- Monitor resource usage and manage resource pools
- Use VMware vRealize™ Operations Manager™ to identify and solve issues through analytics and alerts
- Manage VMware vSphere® High Availability and VMware vSphere® Fault Tolerance
- Use VMware vSphere® Replication™ and VMware vSphere® Data Protection™ to replicate virtual machines and perform data recovery
- Use VMware vSphere® Distributed Resource Scheduler™ clusters to improve host scalability
- Use vSphere distributed switches to improve network scalability
- Use VMware vSphere® Update Manager™ to apply patches
- Perform basic troubleshooting of ESXi hosts, virtual machines, and vCenter Server operations

Prerequisites:

- System administration experience on Microsoft Windows or Linux operating systems
- Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course for VCA-DCV certification

Contenido:

Module 1. Course Introduction	Introduce storage protocols and storage device names	Use vSphere HA advanced parameters
Introductions and course logistics		
■ Course objectives	Discuss ESXi with iSCSI, NFS, and Fibre Channel storage	Introduce vSphere Fault Tolerance
Module 2. Software-Defined Data Center		Enable vSphere Fault Tolerance on virtual machines
Introduce components of the software-defined data center	Create and manage VMware vSphere® VMFS datastores	Introduce vSphere Replication
	■ Introduce VMware Virtual SAN™	■ Use vSphere Data Protection to back up and restore data
Describe where vSphere fits into the cloud architecture	Module 7. Virtual Machine Management	Module 10. Host Scalability
Install and use vSphere Client	Use templates and cloning to deploy virtual machines	Describe the functions of a vSphere DRS cluster
■ Overview of ESXi	Modify and manage virtual machines	
Module 3. Creating Virtual Machines	Perform vSphere vMotion and vSphere Storage vMotion migrations	Configure and manage a vSphere DRS cluster
Introduce virtual machines, virtual machine hardware, and virtual machine files	Create and manage virtual machine snapshots	Work with affinity and anti-affinity rules
■ Create and work with virtual machines		■ Use vSphere HA and vSphere DRS together
Module 4. vCenter Server	Create a vApp	Module 11. vSphere Update Manager and Host Maintenance
Introduce the vCenter Server architecture	■ Introduce the various types of content libraries and how to deploy and use them	Use vSphere Update Manager to manage ESXi patching
Deploy and configure vCenter Server Appliance	Module 8. Resource Management and Monitoring	Install vSphere Update Manager and the vSphere Update Manager plug-in
Install and use vSphere Web Client	Introduce virtual CPU and memory concepts	Create patch baselines
Manage vCenter Server inventory objects and licenses	Configure and manage resource pools	Use host profiles to manage ESXi configuration compliance
■ Explain the benefits of Enhanced vMotion Compatibility	Describe methods for optimizing CPU and memory usage	■ Scan and remediate hosts
Module 5. Configuring and Managing Virtual Networks	Use vCenter Server performance graphs and alarms to monitor resource usage	Module 12. Installing VMware Components
Describe, create, and manage standard switches	Create and use alarms to report certain conditions or events	Introduce ESXi installation
Describe and modify standard switch properties	■ Introduce vRealize Operations Manager for data center monitoring and management	Describe boot-from-SAN requirements
Configure virtual switch load-balancing algorithms	Module 9. vSphere HA and vSphere Fault Tolerance	Introduce vCenter Server deployment options
■ Create, configure, and manage vSphere distributed switches, network connections,		Describe vCenter Server hardware, software,

and port groups

Module 6. Configuring and Managing Virtual Storage

Explain the vSphere HA architecture

Configure and manage a vSphere HA cluster

and database requirements

■ Discuss installation of vCenter Server Appliance and a vCenter Server instance

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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