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VMW_ICM - VMWARE VSPHERE: INSTALL, CONFIGURE, MANAGE [V8]

CORSO CON DOCENTE

Durata	Prezzo	Orari	Calendario
5 giornate	2.950,00€ + IVA	9:30 – 13:00 | 14:00 – 18:00	

Questo corso VMware vSphere: Install, Configure, Manage, è **erogato in collaborazione con TD Synnex, VMware Authorized Training Center**, centro autorizzato all'erogazione di corsi ufficiali VMware.

Prevede una formazione pratica intensiva incentrata sull'installazione, la configurazione e la gestione di VMware vSphere 8, che comprende VMware ESXi 8 e VMware vCenter 8. Questo corso prepara ad amministrare un'infrastruttura vSphere per un'organizzazione di qualsiasi dimensione.

Questo corso è la base per la maggior parte delle altre tecnologie VMware nel data center definito dal software.

Contenuti del corso

Course Introduction

- Introductions and course logistics
- Course objectives

Introduction to vSphere and the Software-Defined Data Center

- Explain basic virtualization concepts
- Describe how vSphere fits into the software-defined data center and the cloud infrastructure
- Explain how vSphere interacts with CPUs, memory, networks, and storage
- Recognize the user interfaces for accessing the vCenter Server system and ESXi hosts
- Describe the ESXi host architecture
- Navigate the Direct Console User Interface (DCUI) to configure an ESXi host
- Recognize ESXi host user account best practices
- Install an ESXi host
- Use VMware Host Client™ to configure ESXi host settings

Virtual Machines

- Create and provision a virtual machine
- Explain the importance of VMware Tools™
- Install VMware Tools
- Identify the files that make up a VM
- Recognize the components of a VM
- Recognize virtual devices supported by a VM
- Describe the benefits and use cases for containers
- Identify the parts of a container system

vCenter Server

- Describe the vCenter Server architecture
- Discuss how ESXi hosts communicate with vCenter Server
- Deploy and configure vCenter Server Appliance
- Use vSphere Client to manage the vCenter Server inventory
- Add data center, organizational objects, and hosts to vCenter Server
- Use roles and permissions to enable users to access objects in the vCenter Server inventory
- Back up vCenter Server Appliance
- Monitor vCenter Server tasks, events, and appliance health
- Use VMware vCenter Server® High Availability to protect a vCenter Server Appliance

Configuring and Managing Virtual Networks

- Create and manage standard switches
- Describe the virtual switch connection types
- Configure virtual switch security, traffic-shaping, and load-balancing policies
- Compare vSphere distributed switches and standard switches

Configuring and Managing Virtual Storage

- Identify storage protocols and storage device types
- Discuss ESXi hosts using iSCSI, NFS, and Fibre Channel storage
- Create and manage VMFS and NFS datastores
- Explain how multipathing works with iSCSI, NFS, and Fibre Channel storage
- Recognize the components of a VMware vSAN™ configuration

Virtual Machine Management

- Use templates and cloning to deploy new virtual machines
- Modify and manage virtual machines

- Create a content library and deploy virtual machines from templates in the library
- Use customization specification files to customize a new virtual machine
- Perform vSphere vMotion and vSphere Storage vMotion migrations
- Describe the Enhanced vMotion Compatibilityfeature
- Create and manage virtual machine snapshots
- Examine the features and functions of VMware vSphere® Replication™
- Describe the benefits of VMware vSphere® Storage APIs – Data Protection8Resource Management and Monitoring
- Discuss CPU and memory concepts in a virtualized environment

Partecipanti

IT Professional (System Administrator, System Engineer)

Prerequisiti

Per partecipare con profitto a questo corso è necessario che gli allievi abbiano esperienza nella gestione di ambienti operativi Microsoft Windows o Linux.

Obiettivi

Al termine del corso vmware vsphere: Install, Configure, Manage gli allievi saranno in grado di:

- Describe the software-defined data center (SDDC)
- Explain the vSphere components and their function in the infrastructure
- Install and configure ESXi hosts
- Deploy and configure VMware vCenter® Server Appliance™
- Use VMware vSphere® Client™ to manage the vCenter Server inventory and the vCenter Server
- configuration
- Manage, monitor, back up, and protect vCenter Server Appliance
- Create virtual networks with vSphere standard switches
- Describe the storage technologies supported by vSphere
- Configure virtual storage using iSCSI and NFS storage
- Create and manage VMware vSphere® VMFS datastores
- Use the vSphere Client to create virtual machines, templates, clones, and snapshots
- Create a content library and deploy virtual machines from templates in the library
- Manage virtual machine resource use
- Migrate virtual machines with VMware vSphere® vMotion® and VMware vSphere® Storage Motion®
- Create and manage a vSphere cluster that is enabled with VMware vSphere® High Availability and VMware vSphere® Distributed Resource Scheduler™
- Discuss solutions for managing the vSphere life cycle
- Use VMware vSphere® Lifecycle Manager™ to perform upgrades to ESXi hosts and virtual machines

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Hai bisogno di chiarimenti o ulteriori informazioni?

Vuoi organizzare un corso personalizzato?

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