MS20745 - Implementing a Software Defined DataCenter

Microsoft - Windows Server 2016 - Sistemistica

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**MCSE Core Infrastructure**

Descrizione del corso

This five-day course explains how to implement and manage virtualization infrastructure in a software-defined datacenter by using Microsoft System Center 2016 Virtual Machine Manager. The course also describes how to monitor the infrastructure by using Microsoft System Center Operations Manager and protect it by using Microsoft System Center Data Protection Manager.

Programma

1. Introduction to server
    - Overview of Microsoft Virtualization
    - Introduction to the software-defined datacenter
    - Extending virtualization to the cloud
2. Overview of Hyper-V virtualization
    - Installing and configuring the Hyper-V role
    - Creating and managing virtual hard disks and virtual machines
    - Creating and using Hyper-V virtual switches
    - Implementing failover clustering with Hyper-V
3. Installing and configuring System Center 2016 Virtual Machine Manager
    - Overview of System Center 2016 VMM
    - Installing System Center 2016 VMM
    - Adding hosts and managing host groups
4. Managing storage fabric and fabric update
    - Overview of server virtualization storage technologies

- Managing storage fabric
- Managing fabric updates

5. Configuring and managing the Virtual Machine Manager library and library
    - Overview of the VMM library
    - Preparing Windows for deployment in VMM
    - Working with profiles
    - Working with virtual machine templates
6. Managing the networking Networking concepts in VMM
    - Managing Software-Defined Networking
    - Understanding network function virtualization
7. Creating and managing virtual machines by using Virtual Machine
    - Virtual machine management tasks
    - Creating, cloning, and converting virtual machines
8. Managing clouds in System Center 2016 Virtual Machine
    - Introduction to clouds
    - Creating and managing a cloud
    - Creating user roles in VMM
9. Managing services in Virtual Machine
    - Overview of services in VMM
    - Creating and managing services in VMM
    - Describe the services in VMM.
      Create and manage services in VMM.
10. Monitoring a virtualization infrastructure by using System Center Operations Manager
    - Operations Manager architecture and security
    - Using Operations Manager for monitoring and reporting
    - Integrating Operations Manager with VMM and DPM
11. Implementing and managing Hyper-V Replica and Azure Site Recovery
    - Implementing and managing Hyper-V Replica
    - Implementing and managing Azure Site Recovery
12. Protecting a virtualization infrastructure by using Data Protection Manager
    - Overview of backup and restore options for virtual machines
    - Configuring and managing DPM for virtualization infrastructure protection