MS20740 - Installation, Storage and Compute with Windows Server 2016

Microsoft - Windows Server 2016 - Sistemistica

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**MCSA Windows Server 2016**

Descrizione del corso

This five-day course is designed primarily for IT professionals who have some experience with Windows Server. It is designed for professionals who will be responsible for managing storage and compute by using Windows Server 2016, and who need to understand the scenarios, requirements, and storage and compute options that are available and applicable to Windows Server 2016.

Programma

1. Module 1: Installing, upgrading, and migrating servers and workloads
    - Introducing Windows Server 2016
    - Preparing and installing Nano Server and Server Core
    - Preparing for upgrades and migrations
    - Migrating server roles and workloads
    - Windows Server activation models
2. Module 2: Configuring local storage
    - Managing disks in Windows Server 2016
    - Managing volumes in Windows Server 2016
3. Module 3: Implementing enterprise storage solutions
    - Overview of direct-attached storage, network-attached storage, and storage area networks
    - Comparing Fibre Channel, iSCSI, and FCoE
    - Understanding iSNS, data centre bridging, and MPIO
    - Configuring sharing in Windows Server 2016
4. Module 4: Implementing Storage Spaces and Data Deduplication

- Implementing Storage Spaces
- Managing Storage Spaces
- Implementing Data Deduplication

5. Module 5: Installing and configuring Hyper-V and virtual machines
   - Overview of Hyper-V
   - Installing Hyper-V
   - Configuring storage on Hyper-V host servers
   - Configuring networking on Hyper-V host servers
   - Configuring Hyper-V virtual machines
   - Managing Hyper-V virtual machines
6. Module 6: Deploying and managing Windows Server and Hyper-V container
   - Overview of containers in Windows Server 2016
   - Deploying Windows Server and Hyper-V containers
   - Installing, configuring, and managing containers
7. Module 7: Overview of high availability and disaster recovery
   - Defining levels of availability
   - Planning High-availability and disaster recovery solutions with Hyper-V virtual machines
   - Backing up and restoring the Windows Server 2016 operating system and data by using Windows Server B
   - High-availability with failover clustering in Windows Server 2016
8. Module 8: Implementing and managing failover clustering
   - Planning a failover cluster
   - Creating and configuring a new failover cluster
   - Maintaining a failover cluster
   - Troubleshooting a failover cluster
   - Implementing site high availability with stretch clustering
9. Module 9: Implementing failover clustering for Hyper-V virtual machines
   - Overview of integrating Hyper-V in Windows Server 2016 with failover clustering
   - Implementing and maintaining Hyper-V virtual machines on failover clusters
   - Key features for virtual machines in a clustered environment
10. Module 10: Implementing Network Load Balancing
    - Overview of NLB clusters

- Configuring an NLB cluster
- Planning an NLB implementation

11. Module 11: Creating and managing deployment images
    - Introduction to deployment images
    - Creating and managing deployment images by using MDT
    - Virtual machine environments for different workloads
12. Module 12: Managing, monitoring, and maintaining virtual machine installations
    - WSUS overview and deployment options
    - Update management process with WSUS
    - Overview of PowerShell DSC
    - Overview of Windows Server 2016 monitoring tools
    - Using Performance Monitor
    - Monitoring Event Logs