



Course 20743B

## Upgrading Your Skills to MCSA Windows Server 2016

Course Length : 40 Hours  
Professional Series : 5 Days  
Academic Series : 6 Weeks

### Module 1: Installing and configuring Windows Server 2016

- Introducing Windows Server 2016
- Installing Windows Server 2016
- Configuring Windows Server 2016
- Preparing for upgrades and migrations
- Migrating server roles and workloads
- Windows Server activation models

### Module 2: Overview of storage in Windows Server 2016

- Overview of storage in Windows Server 2016
- Implementing Data Deduplication
- Configuring iSCSI storage
- Configuring the Storage Spaces feature in Windows Server 2016

### Module 3: Implementing Directory Services

- Deploying Active Directory domain controllers
- Implementing service accounts
- Azure AD

### Module 4: Implementing AD FS

- Overview of AD FS
- Deploying AD FS
- Implementing AD FS for a single organization
- Implementing Web Application Proxy
- Implementing SSO with Microsoft Online Services

### Module 5: Implementing network services

- Overview of networking enhancements
- Implementing IPAM
- Managing IP address spaces with IPAM

### Module 6: Implementing Hyper-V

- Configuring the Hyper-V role in Windows Server 2016
- Configuring Hyper-V storage
- Configuring Hyper-V networking
- Configuring Hyper-V virtual machines

### Module 7: Configuring advanced networking features

- Overview of high-performance networking features
- Configuring advanced Hyper-V networking features

### Module 8: Implementing Software Defined Networking

- Overview of Software Defined Networking
- Implementing network virtualization
- Implementing Network Controller

### Module 9: Implementing remote access

- Remote access overview
- Implementing DirectAccess
- Implementing VPN

### Module 10: Deploying and managing Windows Server and Hyper-V containers

- Overview of containers in Windows Server 2016
- Deploying Windows Server and Hyper-V containers
- Installing, configuring, and managing containers by using Docker

### Module 11: Implementing failover clustering

- Overview of failover clustering
- Implementing a failover cluster
- Configuring highly-available applications and services on a failover cluster
- Maintaining a failover cluster
- Implementing a stretch cluster

### Module 12: Implementing failover clustering with Windows Server 2016 Hyper-V

- Overview of the integration of Hyper-V Server 2016 with failover clustering
- Implementing Hyper-V virtual machines on failover clusters
- Implementing Windows Server 2016 Hyper-V virtual machine migration
- Implementing Hyper-V Replica

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