



## **Upgrading Your Skills to MCSA: Windows Server 2016**

Course 20743:

### **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 SDN
- Implementing network virtualization
- Implementing Network Controller

### **Module 9: Implementing remote access**

- Remote access overview
- Implementing DirectAccess
- Implementing VPN

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

- Overview of containers in Windows Server 2016
- Preparing to deploy 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