5 Days   20743A : Upgrading Your Skills to MCSA: Windows Server 2016

The Microsoft 20743 A Upgrading your Skills to MCSA Windows Server 2016 Training describes the functions to implement and configure new features of Windows Server 2016. It is a five-day course intended for IT professionals that impart advanced knowledge about the latest features that include installation, configuration, storage, implementation of directory services, network services, remote access, and software-defined networking.

This certification course is not a product upgrade course. Rather, this course will update your knowledge with Windows Server 2016.

Course Details

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Course Outline

Module 1: Installing and configuring Windows Server 2016

This module describes how to install and perform post-installation configuration of Windows Server 2016 servers.

Lessons

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

Module 2: Overview of storage in Windows Server 2016

This module describes how to configure storage in Windows Server 2016.

Lessons

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

Module 3: Implementing Directory Services

This module describes how to implement the Directory Services feature.

Lessons

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

Module 4: Implementing AD FS

This module describes how to implement an AD FS deployment.

Lessons

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

Module 5: Implementing network services

This module describes how to configure advanced features for Dynamic Host Configuration Protocol (DHCP) and configure IP Address Management (IPAM).

Lessons

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

Module 6: Implementing Hyper-V

This module describes how to install and configure Hyper-V virtual machines.

Lessons

- How to Configure Hyper-V storage
- How to Configure the Hyper-V role in Windows Server 2016
- How to Configure Hyper-V virtual machines
- How to Configure Hyper-V networking

Module 7: Configuring advanced networking features

This module describes how to implement an advanced networking infrastructure.

Lessons

- How to Configure advanced Hyper-V networking features
- Overview of high-performance networking features

Module 8: Implementing Software Defined Networking

This module describes how to implement software-defined networking.

Lessons

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

Module 9: Implementing remote access

This module describes how to configure connectivity for remote users by using the DirectAccess feature.

Lessons

- Remote access overview
- Implementing VPN
- Implementing DirectAccess

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

This module provides an overview of Windows Server 2016 containers. Additionally, it describes how to deploy, install, configure, and manage containers in Windows Server 2016.

Lessons

- Overview of containers in Windows Server 2016
- Install, configure, and manage containers by using Docker
- Deploying Windows Server and Hyper-V containers

Module 11: Implementing failover clustering

This module describes how to implement failover clustering to provide high availability for network services and applications.

Lessons

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

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

This module describes how to deploy and manage Hyper-V virtual machines in a failover cluster.

Lessons

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

Who Should Attend

Microsoft Upgrading the skills to MCSA Windows Server 2016 course is intended for IT professionals who carry relevant experience working on Windows Server 2012 or Windows Server 2008 system in an enterprise environment.

Pre Requisite

Before attending this course, candidates must have:

- Two or more years of relevant experience with deploying and managing Windows Server 2012 or Windows Server 2008 environments.?
- Experience with Windows Server virtualization technologies and implementation.
- Experience with Active Directory technologies and implementation.
- Knowledge equivalent to the MCSA credentials of Windows Server 2008 or Windows Server 2012.

Exams

Microsoft Certified Professional (MCP) [70-743]

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