

MCSA

Curriculum



MCSA: MICROSOFT CERTIFIED SOLUTION EXPERT

Duration: - 45 Days

70-740: Installation, Storage and Compute with Windows Server 2016

1. Install Windows Server in host and compute environments

- * Install, upgrade, and migrate servers and workloads
- * Install and configure Nano Server
- * Create, manage, and maintain images for deployment

2. Implement Storage Solutions

- * Configure disks and volumes
- * Implement server storage
- * Implement data deduplication

3. Implement Hyper-V

- * Install and configure Hyper-V
- * Configure virtual machine (VM) settings
- * Configure Hyper-V storage
- * Configure Hyper-V networking

4. Implement Windows Containers

- * Deploy Windows containers
- * Manage Windows containers

5. Implement High Availability

- * Implement high availability and disaster recovery options in Hyper-V
- * Implement failover clustering
- * Implement Storage Spaces Direct
- * Manage failover clustering
- * Manage VM movement in clustered nodes
- * Implement Network Load Balancing (NLB)

6. Maintain and monitor server environments

- * Maintain server installations
- * Monitor server installations

70-741: Networking with Windows Server 2016

1. Implement DNS and DHCP

- * Install and configure DNS servers
- * Create and configure DNS zones and records
- * Install and configure DHCP
- * Manage and maintain DHCP

2. Implement Core and distributed network solution

- * Implement IPv4 and IPv6 addressing
- * Implement network connectivity solutions
- * Implement virtual private network (VPN) and DirectAccess solutions
- * Implement Network Policy Server (NPS)

3. Implement an advanced network infrastructure

- * Implement high performance network solutions
- * Determine scenarios and requirements for implementing software-defined networking (SDN)

70-742: Identity with Windows Server 2016

1. Install and Configure Active Directory Domain Services (AD DS)

- * Install and configure domain controllers
- * Create and manage Active Directory users and computers
- * Create and manage Active Directory groups and organizational units (OUs)
- * Configure service authentication and account policies
- * Maintain Active Directory

2. Create and manage Group Policy

- * Create and manage Group Policy Objects (GPOs)
- * Configure Group Policy processing
- * Configure Group Policy settings and preferences
- * Configure Group Policy preferences

3. Implement Active Directory Certificate Services (AD CS)

- * Install and configure AD CS
- * Manage certificates
- * Install and configure Active Directory Federation Services (AD FS)
- * Install and configure Active Directory Rights Management Services (AD RMS)
- * Implement Web Application Proxy (WAP)

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