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MCSE 2012

Course Guide

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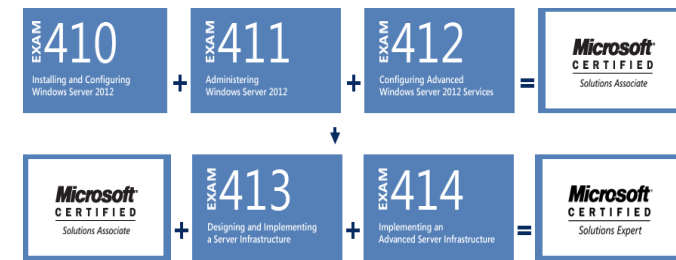
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Microsoft Certified Solution Expert Contents

MCSE curriculum follows the Microsoft certification standards and is designed to meet the requirements of corporate as well as enterprise needs.

Installing and Configuring Windows Server 2012 (Exam 70-410)

Install and Configure Servers
- Install servers
- Configure servers
- Configure local storage

Configure Server Roles and Features
- Configure file and share access
- Configure print and document services
- Configure servers for remote management

Configure Hyper-V
- Create and configure virtual machine settings
- Create and configure virtual machine storage
- Create and configure virtual networks

Deploy and Configure Core Network Services
- Configure IPv4 and IPv6 addressing
- Deploy and configure Dynamic Host Configuration Protocol (DHCP) service
- Deploy and configure DNS service

Install and Administer Active Directory
- Install domain controllers
- Create and manage Active Directory users and computers
- Create and manage Active Directory groups and organizational units (OUs)

Create and Manage Group Policy
- Create Group Policy objects (GPOs)
- Configure security policies
- Configure application restriction policies
- Configure Windows Firewall

Administering Windows Server 2012 (Exam 70-411)

Deploy, Manage, and Maintain Servers
- Deploy and manage server images.
- Implement patch management.
- Monitor servers.

Configure File and Print Services
- Configure Distributed File System (DFS).
- Configure File Server Resource Manager (FSRM).
- Configure file and disk encryption.
- Configure advanced audit policies.

Configure Network Services and Access
- Configure DNS zones.
- Configure DNS records.
- Configure VPN and routing.
- Configure DirectAccess.

Configure a Network Policy Server Infrastructure
- Configure Network Policy Server (NPS).
- Configure NPS policies.
- Configure Network Access Protection (NAP).

Configure and Manage Active Directory
- Configure service authentication.
- Configure Domain Controllers.
- Maintain Active Directory.
- Configure account policies.

Configure and Manage Group Policy
- Configure Group Policy processing.
- Configure Group Policy settings.
- Manage Group Policy objects (GPOs).
- Configure Group Policy preferences

Configuring Advanced Windows Server 2012 Services (Exam 70-412)

Configure and Manage High Availability
- Configure Network Load Balancing (NLB).
- Configure failover clustering.
- Manage failover clustering roles.
- Manage Virtual Machine (VM) movement.

Configure File and Storage Solutions
- Configure advanced file services.
- Implement Dynamic Access Control (DAC).
- Configure and optimize storage.

Implement Business Continuity and Disaster Recovery
- Configure and manage backups.
- Recover servers.
- Configure site-level fault tolerance.

Configure Network Services
- Implement an advanced Dynamic Host Configuration Protocol (DHCP) solution.
- Implement an advanced DNS solution.
- Deploy and manage IPAM.

Configure the Active Directory Infrastructure
- Configure a forest or a domain.
- Configure trusts.
- Configure sites.
- Manage Active Directory and SYSVOL replication.

Configure Identity and Access Solutions
- Implement Active Directory Federation Services 2.1 (AD FSv2.1).
- Install and configure Active Directory Certificate Services (AD CS).
- Manage certificates.
- Install and configure Active Directory Rights Management Services (AD RMS)

Designing and Implementing a Server Infrastructure (Exam 70-413)

Plan and Deploy a Server Infrastructure
- Design an automated server installation strategy.
- Plan and implement a server deployment infrastructure.
- Plan and implement server upgrade and migration.
- Plan and deploy Virtual Machine Manager services.
- Plan and implement file and storage services.

Design and Implement Network Infrastructure Services
- Design and maintain a Dynamic Host Configuration Protocol (DHCP) solution.
- Design a name resolution solution strategy.
- Design and manage an IP address management solution.

Design and Implement Network Access Services
- Design a VPN solution.
- Design a DirectAccess solution.
- Implement a scalable remote access solution.
- Design a network protection solution.
- Implement a network protection solution.

Design and Implement an Active Directory Infrastructure (Logical)
- Design a forest and domain infrastructure.
- Implement a forest and domain infrastructure.
- Design a Group Policy strategy.
- Design an Active Directory permission model.

Design and Implement an Active Directory Infrastructure (Physical)
- Design an Active Directory sites topology.
- Design a domain controller strategy.
- Design and implement a branch office infrastructure.

Implementing an Advanced Server Infrastructure (Exam 70-414)

Manage and Maintain a Server Infrastructure
- Design an administrative model.
- Design a monitoring strategy.
- Design an updates infrastructure.
- Implement automated remediation.

Plan and Implement a Highly Available Enterprise Infrastructure
- Plan and implement failover clustering.
- Plan and implement highly available network services.
- Plan and implement highly available storage solutions.
- Plan and implement highly available server roles.
- Plan and implement a business continuity and disaster recovery solution.

Plan and Implement a Server Virtualization Infrastructure
- Plan and implement virtualization hosts.
- Plan and implement virtualization guests.
- Plan and implement virtualization networking.
- Plan and implement virtualization storage.
- Plan and implement virtual guest movement.
- Manage and maintain a server virtualization infrastructure.

Design and Implement Identity and Access Solutions
- Design a Certificate Services infrastructure.
- Implement and manage a Certificate Services infrastructure.
- Implement and manage certificates.
- Design and implement a federated identity solution.
- Design and implement Active Directory Rights Management Services (AD RMS).

Practical Approach
- The real life examples will be given throughout the lectures.