

Computer Collegi@te

Microsoft Certified Solution Expert (Server Infrastructure) Windows Server 2012

List of Topics Theory and Practical during the course

Exam 70-410 **Installing and Configuring Windows Server 2012**

Exam 70-411 **Administering Windows Server 2012**

Exam 70-412 **Configuring Advanced Windows Server 2012 Services**

Exam 70-413 **Designing and Implementing a Server Infrastructure**

Exam 70-414 **Implementing an Advanced Server Infrastructure**

Deploying and Managing Windows Server 2012

- Windows Server 2012 Overview
- Overview of Windows Server 2012 Management
- Installing Windows Server 2012
- Post-Installation Configuration of Windows Server 2012
- Introduction to Windows PowerShell

Active Directory Domain Services

- Overview of AD DS
- Overview of Domain Controllers
- Installing a Domain Controller



Managing Active Directory Domain Services

- Managing User Accounts
- Managing Group Accounts
- Managing Computer Accounts
- Delegating Administration

Implementing IPv4

- Overview of TCP/IP
- Understanding IPv4 Addressing
- Subnetting and Supernetting
- Configuring and Troubleshooting IPv4

Implementing Dynamic Host Configuration Protocol

- Installing a DHCP Server Role
- Configuring DHCP Scopes
- Managing a DHCP Database
- Securing and Monitoring DHCP

Implementing Domain Name System

- Name Resolution for Windows Client and Servers
- Installing and Managing a DNS Server
- Managing DNS Zones

Implementing Web Server and FTP Server

- Web Server for Internal Websites
- FTP Server for Internal FTP sites

Implementing IPv6 (Concepts)

- Overview of IPv6
- IPv6 Addressing
- Coexistence with IPv6

Implementing Local Storage

- Overview of Storage
- Managing Disks and Volumes
- Simple Volume
- Spanned Volume
- Stripped Volume
- RAID-1
- RAID-5



Implementing File and Print Services

- Securing Files and Folders
- Protecting Shared Files and Folders by Using Shadow Copies
- Configuring Network Printing

Implementing Group Policy

- Overview of Group Policy
- Group Policy Processing
- Implementing a Central Store for Administrative Templates

Implementing Server Virtualization with Hyper-V

- Overview of Virtualization Technologies
- Implementing Hyper-V
- Managing Virtual Machine Storage / Networks

Deploying and Maintaining Server Images

- Overview of Windows Deployment Services
- Implementing Deployment with Windows Deployment Services
- Administering Windows Deployment Services

Maintaining Active Directory Domain Services

- Overview of AD DS
- Implementing Additional Domain Controller (Write able)
- Implementing Additional Domain Controller (Read only)

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Managing User and Service Accounts

- Automating User Account Management
- Configuring Password-Policy
- User-Account Lockout Settings

Implementing a Group Policy Infrastructure

- Introducing Group Policy
- Implementing and Administering Group Policy Objects (GPOs)
- Group Policy Scope and Group Policy Processing

Configuring and Troubleshooting Remote Access

- Configuring Network Access
- Configuring Virtual Private Network (VPN) Access



Optimizing File Services

- Overview of FSRM (File Server Resource Manager)
- Using FSRM to Manage Quotas, File Screens, and Storage Reports
- Implementing Classification and File Management Tasks
- Overview of Distributed File System (DFS)
- Configuring DFS Namespaces

Configuring Encryption

- Encrypting Files by Using Encrypting File System
- Encrypting and Recovering Files using bit locker

Monitoring Windows Server 2012

- Monitoring Tools
- Using Performance Monitor
- Monitoring Event Logs

Implementing Remote Desktop Services

- Configuring Remote Desktop Server
- Configuring RD Web Access

Implementing Disaster Recovery

- Overview of Disaster Recovery
- Implementing Windows Server Backup
- Implementing Server and Data Recovery

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