



## Microsoft Windows Server-2012

### Details Course Outline

#### **Installing and Configuring Windows Server 2012 (Exam-410)**

<p><b>Module 1: Deploying and Managing Windows Server 2012</b></p> <ul style="list-style-type: none"> <li>• Windows Server 2012 Overview</li> <li>• Installing Windows Server 2012</li> <li>• Post-Installation Configuration of Windows Server 2012</li> <li>• Overview of Windows Server 2012 Management</li> <li>• Introduction to Windows PowerShell</li> </ul> <p><b>Module 2: Introduction to Active Directory Domain Services</b></p> <ul style="list-style-type: none"> <li>• Overview of AD DS</li> <li>• Overview of Domain Controllers</li> <li>• Installing a Domain Controller</li> </ul> <p><b>Module 3: Managing Active Directory Domain Services Objects</b></p> <ul style="list-style-type: none"> <li>• Managing User Accounts</li> <li>• Managing Groups</li> <li>• Managing Computer Accounts</li> <li>• Delegating Administration</li> </ul> <p><b>Module 4: Automating Active Directory Domain Services Administration</b></p> <ul style="list-style-type: none"> <li>• Using Command-line Tools for AD DS Administration</li> <li>• Using Windows PowerShell for AD DS Administration</li> <li>• Performing Bulk Operations with Windows PowerShell</li> </ul> <p><b>Module 5: Implementing IPv4</b></p> <ul style="list-style-type: none"> <li>• Overview of TCP/IP</li> <li>• Understanding IPv4 Addressing</li> <li>• Subnetting and Supernetting</li> <li>• Configuring and Troubleshooting IPv4</li> </ul> <p><b>Module 6: Implementing Dynamic Host Configuration Protocol</b></p> <ul style="list-style-type: none"> <li>• Overview of the DHCP Server Role</li> <li>• Configuring DHCP Scopes</li> <li>• Managing a DHCP Database</li> <li>• Securing and Monitoring DHCP</li> </ul>	<p><b>Module 7: Implementing DNS</b></p> <ul style="list-style-type: none"> <li>• Name Resolution for Windows Clients and Servers</li> <li>• Installing a DNS Server</li> <li>• Managing DNS Zones</li> </ul> <p><b>Module 8: Implementing IPv6</b></p> <ul style="list-style-type: none"> <li>• Overview of IPv6</li> <li>• IPv6 Addressing</li> <li>• Coexistence with IPv4</li> <li>• IPv6 Transition Technologies</li> </ul> <p><b>Module 9: Implementing Local Storage</b></p> <ul style="list-style-type: none"> <li>• Overview of Storage</li> <li>• Managing Disks and Volumes</li> <li>• Implementing Storage Spaces</li> </ul> <p><b>Module 10: Implementing File and Print Services</b></p> <ul style="list-style-type: none"> <li>• Securing Files and Folders</li> <li>• Protecting Shared Files and Folders by Using Shadow Copies</li> <li>• Configuring Work Folders</li> <li>• Configuring Network Printing</li> </ul> <p><b>Module 11: Implementing Group Policy</b></p> <ul style="list-style-type: none"> <li>• Overview of Group Policy</li> <li>• Group Policy Processing</li> <li>• Implementing a Central Store for Administrative Templates</li> </ul> <p><b>Module 12: Securing Windows Servers Using Group Policy Objects</b></p> <ul style="list-style-type: none"> <li>• Security Overview for Windows Operating Systems</li> <li>• Configuring Security Settings</li> <li>• Restricting Software</li> <li>• Configuring Windows Firewall with Advanced Security</li> </ul> <p><b>Module 13: Implementing Server Virtualization with Hyper-V</b></p> <ul style="list-style-type: none"> <li>• Overview of Virtualization Technologies</li> <li>• Implementing Hyper-V</li> <li>• Managing Virtual Machine Storage</li> <li>• Managing Virtual Networks</li> </ul>
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**Administering Windows Server® 2012 (Exam -411)**

<p><b>Module 1: Configuring and Troubleshooting Domain Name System</b></p> <ul style="list-style-type: none"> <li>• Configuring the DNS Server Role</li> <li>• Configuring DNS Zones</li> <li>• Configuring DNS Zone Transfers</li> <li>• Managing and Troubleshooting DNS</li> </ul> <p><b>Module 2: Maintaining Active Directory Domain Services</b></p> <ul style="list-style-type: none"> <li>• Overview of AD DS</li> <li>• Implementing Virtualized Domain Controllers</li> <li>• Implementing RODCs</li> <li>• Administering AD DS</li> <li>• Managing the AD DS Database</li> </ul> <p><b>Module 3: Managing User and Service Accounts</b></p> <ul style="list-style-type: none"> <li>• Configuring Password Policy and User Account Lockout Settings</li> <li>• Configuring Managed Service Accounts</li> </ul> <p><b>Module 4: Implementing a Group Policy Infrastructure</b></p> <ul style="list-style-type: none"> <li>• Introducing Group Policy</li> <li>• Implementing and Administering GPOs</li> <li>• Group Policy Scope and Group Policy Processing</li> <li>• Troubleshooting the Application of GPOs</li> </ul> <p><b>Module 5: Managing User Desktops with Group Policy</b></p> <ul style="list-style-type: none"> <li>• Implementing Administrative Templates</li> <li>• Configuring Folder Redirection and Scripts</li> <li>• Configuring Group Policy Preferences</li> <li>• Managing Software with Group Policy</li> </ul> <p><b>Module 6: Installing, Configuring, and Troubleshooting the Network Policy Server Role</b></p> <ul style="list-style-type: none"> <li>• Installing and Configuring a Network Policy Server</li> <li>• Configuring RADIUS Clients and Servers</li> <li>• NPS Authentication Methods</li> <li>• Monitoring and Troubleshooting a Network Policy Server</li> </ul>	<p><b>Module 7: Implementing Network Access Protection</b></p> <ul style="list-style-type: none"> <li>• Overview of Network Access Protection</li> <li>• Overview of NAP Enforcement Processes</li> <li>• Configuring NAP</li> <li>• Configuring IPSec Enforcement for NAP</li> <li>• Monitoring and Troubleshooting NAP</li> </ul> <p><b>Module 8: Implementing Remote Access</b></p> <ul style="list-style-type: none"> <li>• Overview of Remote Access</li> <li>• Implementing DirectAccess by Using the Getting Started Wizard</li> <li>• Implementing and Managing an Advanced DirectAccess Infrastructure</li> <li>• Implementing VPN</li> <li>• Implementing Web Application Proxy</li> </ul> <p><b>Module 9: Optimizing File Services</b></p> <ul style="list-style-type: none"> <li>• Overview of FSRM</li> <li>• Using FSRM to Manage Quotas, File Screens, and Storage Reports</li> <li>• Implementing Classification and File Management Tasks</li> <li>• Overview of DFS</li> <li>• Configuring DFS Namespaces</li> <li>• Configuring and Troubleshooting DFS Replication</li> </ul> <p><b>Module 10: Configuring Encryption and Advanced Auditing</b></p> <ul style="list-style-type: none"> <li>• Encrypting Drives by Using BitLocker</li> <li>• Encrypting Files by Using EFS</li> <li>• Configuring Advanced Auditing</li> </ul> <p><b>Module 11: Deploying and Maintaining Server Images</b></p> <ul style="list-style-type: none"> <li>• Overview of Windows Deployment Services</li> <li>• Managing Images</li> <li>• Implementing Deployment with Windows Deployment Services</li> <li>• Administering Windows Deployment Services</li> </ul> <p><b>Module 12: Implementing Update Management</b></p> <ul style="list-style-type: none"> <li>• Overview of WSUS</li> <li>• Deploying Updates with WSUS</li> </ul> <p><b>Module 13: Monitoring Windows Server 2012</b></p> <ul style="list-style-type: none"> <li>• Monitoring Tools</li> <li>• Using Performance Monitor</li> <li>• Monitoring Event Logs</li> </ul>
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**Configuring Advanced Windows Server® 2012 Services (Exam-412)**

<p><b>Module 1: Implementing Advanced Network Services</b></p> <ul style="list-style-type: none"> <li>• Configuring Advanced DHCP Features</li> </ul>	<p><b>Module 7: Implementing Active Directory Rights Management Services</b></p> <ul style="list-style-type: none"> <li>• AD RMS Overview</li> </ul>
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<ul style="list-style-type: none"> <li>• Configuring Advanced DNS Settings</li> <li>• Implementing IPAM</li> <li>• Managing IP Address Spaces with IPAM</li> <li><b>Module 2: Implementing Advanced File Services</b></li> <li>• Configuring iSCSI Storage</li> <li>• Configuring BranchCache</li> <li>• Optimizing Storage Usage</li> <li><b>Module 3: Implementing Dynamic Access Control</b></li> <li>• Overview of DAC</li> <li>• Implementing DAC Components</li> <li>• Implementing DAC for Access Control</li> <li>• Implementing Access Denied Assistance</li> <li>• Implementing and Managing Work Folders</li> <li><b>Module 4: Implementing Distributed Active Directory Domain Services Deployments</b></li> <li>• Overview of Distributed AD DS Deployments</li> <li>• Deploying a Distributed AD DS Environment</li> <li>• Configuring AD DS Trusts</li> <li><b>Module 5: Implementing Active Directory Domain Services Sites and Replication</b></li> <li>• AD DS Replication Overview</li> <li>• Configuring AD DS Sites</li> <li>• Configuring and Monitoring AD DS Replication</li> <li><b>Module 6: Implementing AD CS</b></li> <li>• Using Certificates in a Business Environment</li> <li>• PKI Overview</li> <li>• Deploying CAs</li> <li>• Deploying and Managing Certificate Templates</li> <li>• Implementing Certificate Distribution and Revocation</li> <li>• Managing Certificate Recovery</li> </ul>	<ul style="list-style-type: none"> <li>• Deploying and Managing an AD RMS Infrastructure</li> <li>• Configuring AD RMS Content Protection</li> <li>• Configuring External Access to AD RMS</li> <li><b>Module 8: Implementing and Administering AD FS</b></li> <li>• Overview of AD FS</li> <li>• Deploying AD FS</li> <li>• Implementing AD FS for a Single Organization</li> <li>• Deploying AD FS in a Business-to-Business Federation Scenario</li> <li>• Extending AD FS to External Clients</li> <li><b>Module 9: Implementing Network Load Balancing</b></li> <li>• Overview of NLB</li> <li>• Configuring an NLB Cluster</li> <li>• Planning an NLB Implementation</li> <li><b>Module 10: Implementing Failover Clustering</b></li> <li>• Overview of Failover Clustering</li> <li>• Implementing a Failover Cluster</li> <li>• Configuring Highly Available Applications and Services on a Failover Cluster</li> <li>• Maintaining a Failover Cluster</li> <li>• Implementing a Multi-Site Failover Cluster</li> <li><b>Module 11: Implementing Failover Clustering with Hyper-V</b></li> <li>• Overview of Integrating Hyper-V with Failover Clustering</li> <li>• Implementing Hyper-V Virtual Machines on Failover Clusters</li> <li>• Implementing Hyper-V Virtual Machine Movement</li> <li><b>Module 12: Implementing Business Continuity and Disaster Recovery</b></li> <li>• Data Protection Overview</li> <li>• Implementing Windows Server Backup</li> <li>• Implementing Server and Data Recovery</li> </ul>
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