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View Full Course Details including Latest Schedule Online

MICROSOFT

MCSA: Windows Server 2012 Boot Camp

This training provides students with a comprehensive overview of MCSA Windows Server 2012 technologies

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

The 10 day MCSA Windows Server 2012 Boot Camp supplies individuals with the fundamental knowledge of Windows Server 2012 to prepare them to earn their MCSA Windows Server 2012 certification. The learned skills augment an IT professional's career immediately. While in class, the instructor pulls information from these courses:

20410: Installing and Configuring Windows Server 2012

This training covers the implementation of infrastructure services for Windows Server 2012, including:

- Windows Server 2012 implementation & management
- Dynamic Host Configuration Protocol (DHCP)IPv6 for basic situations
- File & print services
- Creating group policies
- Server virtualization via Hyper-V
- Local server storage
- Implementing Domain Name System (DNS)

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20411: Administering Windows Server 2012

This training covers the implementation, deployment and management of Windows Server 2012, including:

- Configure & troubleshoot name resolution
- Manage users with AD DS & Group Policy
- Implement Remote Access Solutions, including DirectAccess, VPNs & Web Application Proxy
- Manage network policies, access protection & data security
- Deploy, maintain & manage Windows Server 2012

70-412: Configuring Advanced Windows Server 2012 Services

This training covers the administration of Windows Server 2012, including:

- Configure DHCP, DNS & IP Address Manager
- Plan, implement & deploy AD RMS, AD FS, AD DS & AD CS
- Deploy & manage Hyper-V virtual machines
- Implement Network Loading Balance (NLB)
- Configure & manage iSCSI, BranchCache & FSRM
- Implement backup & disaster recovery solutions

Private Group Class Only

The MCSA Server 2012 is offered as a private group class non-certification exam course only.

Program Level

Advanced

Training Delivery Methods

Group Live

Duration

10 Days / 52 hours Training

CPE credits

26 NASBA CPE Credits

Field of Study

Information Technology

Advanced Prep

N/A

Course Registration

Candidates can choose to register for the course by via any of the below methods:

- Email: Sales@phoenixts.com
- Phone: 301-582-8200
- Website: www.phoenixts.com

Upon registration completion candidates are sent an automated course registration email that includes attachments with specific information on the class and location as well as pre-course study and test preparation material approved by the course vendor. The text of the email contains a registration confirmation as well as the location, date, time and contact person of the class.

Online enrolment closes three days before course start date.

On the first day of class, candidates are provided with instructions to register with the exam provider before the exam date.

Complaint Resolution Policy

To view our complete Complaint Resolution Policy policy please click here: Complaint Resolution Policy

Refunds and Cancellations

To view our complete Refund and Cancellation policy please click here: Refund and Cancellation Policy

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Course Outline

20410D: Installing and Configuring Windows Server 2012

Windows Server 2012 Configuration and Management

- The Installation of Windows Server 2012
- Understanding Windows Server 2012
- Server Configuration
- What is Windows PowerShell?

Active Directory Domain Services (AD DS)

- What are Domain Controllers?
- Domain Controller Installation

AD DS Objects Management

- Managing User, Group, Computer Accounts
- Administration Delegation

Automated AD DS Administration

- Command-Line Tools
- Windows PowerShell
- Large PowerShell Operations

IPv4

- IPv4 Addressing
- What is TCP/IP?
- Supernetting vs Subnetting
- IPv4 Configuration
- Troubleshooting

DHCP

- DHCP Server Role Installation
- DHCP Scopes Configuration
- Database Management
- Security
- Monitoring DHCP

DNS

- DNS Server Installation
- Windows Client and Servers Name Resolution
- DNS Zones Management

IPv6

- ï»¿What is IPv6?
- IPv6 Addressing
- Relation to IPv4
- Transition Technology

Local Storage

- Using Storage
- Disks and Volumes
- Storage Spaces

File and Print Services

- File/Folder Security
- File Shares and Shadow Copies
- Network Printing

Group Policy Infrastructures

- Using a Group Policy
- What is Group Policy Processing
- Central Store for Administrative Templates

Group Policy Objects for Windows Server Security

- Securing Windows
- Managing Security Settings and Software
- Using Windows Firewall

Server Virtualization through Hyper-V

- Useful Virtualization Technology
- Using Hyper-V
- Virtual Machine Storage
- Virtual Network Management

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20411D – Administering Windows Server 2012

Domain Name System (DNS): Troubleshooting and Configuring

- DNS Server Role
- DNS Zones
- DNS Zone Transfers
- DNS Management and Troubleshooting

Active Directory Domain Services (AD DS)

- AD DS
- Virtualized Domain Controllers – Implementation
- RODC's
- AD DS Administration
- AD DS Database Management

User and Service Accounts

- Password Policy
- User Account Lockout Settings
- Managed Service Accounts

Group Policy Infrastructure Implementation

- Group Policy Intro
- GPO Implementation and Administration
- Scope and Processing for Group Policy
- Troubleshooting

User Desktops with Group Policy

- Administrative Templates
- Folder Redirection and Scripts
- Group Policy Preferences
- Software with Group Policy

Remote Access Implementation

- Remote Access Overview
- DirectAccess with Getting Started Wizard
- Advanced DirectAccess Infrastructure Mangement
- VPN
- Web Application Proxy

Network Policy Server Role: Installing, Configuring, Troubleshooting

- Network Policy Server Installation
- RADIUS Clients and Servers
- NPS Authentication Methods
- Monitoring and Troubleshooting

Network Access Protection Implementation

- Network Access Protection
- NAP Enforcement Processes
- NAP Configuration
- IPSec Enforcement for NAP
- Monitoring and Troubleshooting

File Services Optimization

- FSRM
- FSRM for Managing File Screens, Storage Reports, Quotas
- File Management Tasks and Classification
- DFS
- DFS Namespaces Configuration
- DFS Replication Configuration and Troubleshooting

Advanced Auditing and Encryption

- Encrypting Drives with BitLocker
- Encru\ypting Files with EFS
- Advanced Auditing Configuration

Server Images: Deployment and Maintenance

- Windows Deployment Services
- Image Management
- Windows Deployment Services Implementation
- Windows Deployment Services Administration

Update Management Implementation

- WSUS
- Update Deployment Using WSUS

Windows Server 2012 Monitoring

- Overview of Monitoring Tools
- Performance Monitor

- Event Logs

20412D – Configuring Advanced Windows Server 2012 Services

Advanced Network Services Implementation

- Advanced DHCP Features
- Advanced DNS Settings
- IPAM Implementation
- IPAM and IP Address Spaces

Advanced File Services Implementation

- iSCSI Storage Configuration
- BranchCache Configuration
- Storage Usage Optimization

Dynamic Access Control Implementation

- DAC Review
- DAC Components
- DAC and Access Control
- Access Denied Assistance
- Work Folders Management

Distributed AD DS Deployments

- Distributed AD DS Deployments Review
- Distributed AD DS Environment Deployment
- AD DS Trusts Configuration

AD DS Sites and Replication Implementation

- Reviewing AD DS Replication
- AD DS Sites
- AD DS Replication – Configuration and Monitoring

Active Directory Certificate Services

- Certificates Purpose in an Enterprise Environment
- PKI
- CAs Deployment
- Certificate Templates
- Certificate Distribution and Revocation

- Certificate Recovery

Active Directory Rights Management Services Implementation

- Reviewing AD RMS
- AD RMS Infrastructure Deployment and Management
- AD RMS Content Protection
- AD RMS and External Access

Active Directory Federation Services

- AD FS Review
- AD FS Deployment
- AD FS Implementation for One Organization
- Business-to-Business Federation Scenario and AD FS
- AD FS and External Clients

Network Load Balancing

- NLB Review
- NLB Cluster Configuration and Mangement
- NLB Cluster and High Availability

Failover Clustering Implementation

- Reviewing Failover Clustering
- Failover Cluster Implementation
- Services and Highly Available Applications for Failover Cluster
- Failover Cluster Maintenance
- Multi-Site Failover Cluster

Failover Clustering with Hyper-V

- Integrating Hyper-V and Failover Clustering
- Hyper-V Virtual Machines and Failover Clusters
- Hyper-V Virtual Machine Movement
- Utilizing VMM for Hyper-V Virual Environments

Business Continuity and Disaster Recovery Implementation

- Data Protection
- Windows Server Backup
- Data and Server Recovery

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Exam Information

***NOTE* – The Windows Server 2106 Exams (70-410, 70-411 & 70-412) retired on January 31, 2021.**

Exam 70-410: Installing and Configuring Windows Server 2012

Exam Objective	Percentage of Exam
Installing and Configuring Servers	15-20%
Configuring Server Roles and Features	15-20%
Configuring Hyper-V	15-20%
Deploying and Configuring Core Network Services	15-20%
Creating and Managing Group Policy	15-20%

Exam 70-411: Administering Windows Server 2012

Exam Objective	Percentage of Exam
Deploying, Managing and Maintaining Servers	15-20%
Configuring File and Print Services	15-20%
Configuring Network Services and Access	15-20%
Configuring Network Policy Server (NPS) Infrastructure	15-20%
Creating and Managing Group Policy	15-20%

Exam 70-412: Configuring Advanced Windows Server 2012 Services

Exam Objective	Percentage of Exam
Configuring and Managing High Availability	
Configuring File and Storage Solutions	15-20%

Implementing Business Continuity and Disaster Recovery	15-20%
Configuring Network Services	15-20%
Configuring the Active Directory Infrastructure	15-20%
Configuring Identity and Access Solutions	15-20%

You can purchase the exam voucher separately through Phoenix TS. Phoenix TS is an authorized testing center for Pearson VUE and Prometric websites. Register for exams by calling us or visiting the Pearson VUE and Prometric websites.

MCSA: Windows Server 2012 Boot Camp FAQs

Who should attend this training?

IT professionals who hold familiarity with Windows Server 2012 and want to secure positions as Network Administrators or Computer Network Specialists.

What are the prerequisites for this training?

Students should have knowledge and experience with Windows Server 2008 or Windows Server 2012, networking fundamentals, Active Directory Domain Services (AD DS), authentication and authorization, Windows operating system installations and maintenance, Microsoft Hyper-V

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