



# COMPLETE COMPUTING, INC.

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## 20411DC: Administering Windows Server® 2012

*Course length: 5 day(s)*

### Course Description

This version of this course is built on the final release version of Windows Server 2012.

Learn how to administer Windows Server 2012 with this five-day course. This course is part two in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2012 Infrastructure in an existing enterprise environment. The three courses collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Although there is some cross-over of skills and tasks across these courses, this course primarily covers the administration tasks necessary to maintain a Windows Server 2012 infrastructure such as Implementing Server Images, User and Group management with Active Directory Domain Services(AD DS) and Group Policy, Remote Access and Network Policies, Data Security, Monitoring and Update Management

This course maps directly to and is preparation material for Microsoft Certified Solutions Associate (MCSA):Windows Server 2012 exam "70-411: Administering Windows Server® 2012".

### Prerequisites

Before attending this course, students must have:

- Real world hands on experience working with Windows Server 2008, Windows Server 2008 R2 or Windows Server 2012.
- Good knowledge and understanding of Active Directory and networking infrastructure.
- Knowledge equivalent to that already covered in "20410A:Installing and Configuring Windows Server 2012".

### Performance-Based Objectives

Upon successful completion of this course, students will be able to:

- Deploy and Maintain Server Images
- Configure and Troubleshoot DNS
- Maintain Active Directory® Domain Services (AD DS).
- Manage User and Service Accounts
- Implement a Group Policy Infrastructure
- Manage User Desktops with Group Policy
- Configure and Troubleshoot Remote Access
- Install, Configure and Troubleshoot Network Policy Server (NPS) role
- Implement Network Access Protection (NAP)
- Optimize File Services



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- Configure Encryption and Advanced Auditing
- Implement Update Management
- Monitor Windows Server 2012

## Course Content

### Module 1: Deploying and Maintaining Server Images

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

### Module 2: Configuring and Troubleshooting Domain Name System

- Installing the DNS Server Role
- Configuring the DNS Server Role
- Configuring DNS Zones
- Configuring DNS Zone Transfers
- Managing and Troubleshooting DNS

### Module 3: Maintaining Active Directory Domain Services

- Overview of AD DS
- Implementing Virtualized Domain Controllers
- Implementing RODC
- Administering AD DS
- Managing the AD DS Database

### Module 4: Managing User and Service Accounts

- Automating User Account Management
- Configuring Password-Policy and User-Account Lockout Settings
- Configuring Managed Service Accounts

### Module 5: Implementing a Group Policy Infrastructure

- Introducing Group Policy
- Implementing and Administering Group Policy Objects (GPOs)
- Group Policy Scope and Group Policy Processing
- Troubleshooting the Application of GPOs

### Module 6: Managing User Desktops with Group Policy

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

### Module 7: Configuring and Troubleshooting Remote Access

- Configuring Network Access
- Configuring Virtual Private Network (VPN) Access
- Overview of Network Policies
- Troubleshooting Routing and Remote Access
- Configuring DirectAccess



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## **Module 8: Installing, Configuring, and Troubleshooting the Network Policy Server Role**

- Installing and Configuring a NPS
- Configuring Remote Authentication Dial-In User Service (RADIUS) Clients and Servers
- NPS Authentication Methods
- Monitoring and Troubleshooting a NPS

## **Module 9: Implementing Network Access Protection**

- Overview of Network Access Protection
- Overview of NAP Enforcement Processes
- Configuring NAP
- Monitoring and Troubleshooting NAP

## **Module 10: Optimizing File Services**

- Overview of FSRM
- 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 and Troubleshooting Distributed File System Replication (DFS-R)

## **Module 11: Configuring Encryption and Advanced Auditing**

- Encrypting Files by Using Encrypting File System
- Configuring Advanced Auditing

## **Module 12: Implementing Update Management**

- Overview of WSUS
- Deploying Updates with WSUS

## **Module 13: Monitoring Windows Server 2012**

- Monitoring Tools
- Using Performance Monitor
- Monitoring Event Logs