

## Course Details

# Course 20416A

## Implementing Desktop Application Environments

Length: 5 Days

Published: January 14, 2013

Language(s): English

Audience(s): IT Professionals

Level: 300

Technology: Windows Server 2012

Type: Course

Delivery Method: Instructor-led (classroom)

## Prerequisites

Before attending this course, students must have:

The attendee should have experience administering Windows Server in an environment that typically has the following characteristics:

- 2,500 to 50,000 or more users
- Multiple physical locations and multiple domain controllers
- Network services and resources such as messaging, databases, file and print, firewalls, Internet access, an intranet, and client computer management

The attendee should have:

- Experience supporting Windows 8 client desktops and deploying and managing applications, both physical and virtual.
- An MCSA and 20415A or equivalent knowledge.

In addition to their professional experience, students who attend this training should already have the following technical knowledge, and should:

- Have solid understanding of TCP/IP and networking concepts.
- Have a solid understanding of Windows and Active Directory Domain Services (AD DS), for example, domain user accounts, domain vs. local user accounts, user profiles, and group membership.
- Understand how to use scripts and batch files.
- Have solid understanding of security concepts such as authentication and authorization.
- Be able to perform a clean installation of Windows 8, upgrade to Windows 8, and migrate user-related data and settings from Windows XP.
- Be able to configure disks, partitions, volumes, and device drivers to enable Windows 8 to function as desired.
- Be able to configure and troubleshoot permissions and other settings to allow access to resources and applications on Windows 8 Systems.
- Be able to configure settings to enable network connectivity.
- Be able to configure and troubleshoot a wireless network connection.
- Be able to configure and troubleshoot Windows 8 security.
- Be able to configure mobile computers and devices.
- Understand the client administration capabilities of Windows Server and be familiar with management tools such as the Microsoft System Center suite of products.
- Understand the concepts of deployment, packaging, and imaging.
- Have a familiarity with SQL Server concepts.

Students who attend this training can meet the prerequisites by attending the following courses, or obtaining equivalent knowledge and skills:

- 20410A: Installing and Configuring Windows Server 2012
- 20411A: Administering Windows Server 2012
- 20412A: Configuring Advanced Windows Server 2012 services
- 20415A: Implementing a Desktop Infrastructure

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## Course Outline

### Module 1: Designing an Application Distribution Strategy

- Determining Business Requirements for Application Distribution
- Overview of Application Distribution Strategies

### Module 2: Diagnosing and Remediating Application Compatibility

- Diagnosing Application Compatibility Issues
- Evaluating and Implementing Remediation Solutions
- Resolving Compatibility Issues with the Application Compatibility Toolkit

### Module 3: Deploying Applications by Using Group Policy and Windows Intune

- Deploying Applications by Using Group Policy
- Deploying Applications by Using Windows Intune

### Module 4: Deploying Applications by Using System Center Configuration Manager

- Understanding Application Deployment by Using Configuration Manager 2012
- Deploying Applications by Using Configuration Manager 2012

### Module 5: Configuring Self-Service Application Deployment

- Understanding Self-Service Application Deployment
- Configuring Self-Service with Windows Intune
- Self-Service Deployment with Configuration Manager 2012
- Self-Service Deployment with Service Manager 2012

### Module 6: Designing and Implementing Presentation Virtualization Infrastructure

- Assessing Presentation Virtualization Requirements
- Planning Presentation Virtualization Infrastructure
- Deploying Presentation Virtualization Infrastructure

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### Module 7: Preparing, Configuring and Deploying Presentation Virtualization Applications

- Determining Presentation Virtualization Application Strategies
- Deploying Remote Desktop, RemoteApp, and RD Web Access

### Module 8: Designing and Deploying an Application Virtualization Environment

- Overview of Application Virtualization Models
- Deploying Application Virtualization Infrastructure Components
- Configuring Application Virtualization Client Support

### Module 9: Preparing, Sequencing, and Deploying Virtual Applications

- Sequencing Applications with App-V
- Deploying App-V Applications

### Module 10: Planning and Implementing Application Updates and Security

- Planning Application Updates
- Deploying Updates With WSUS
- Deploying Application Updates by Using Configuration Manager 2012
- Implementing Application Security

### Module 11: Planning and Implementing Application Upgrade and Supersedence

- Planning and Implementing Application Upgrades and Supersedence
- Planning and Implementing Application Coexistence

### Module 12: Monitoring Application Deployment, Utilization, and Performance

- Planning and Implementing Application Monitoring Infrastructure
- Application Metering, Inventory and Asset Intelligence
- Monitoring Application Resource Utilization