



IMPLEMENTING DESKTOP APPLICATION ENVIRONMENTS (M20416)

Course Code: 6416

Learn to design, deploy, and manage a physical and virtual Windows Server 2012 application management infrastructure.

In this course, you will gain the skills and knowledge needed to design, deploy, and manage a virtual and physical Windows Server 2012 application management infrastructure and focus on using Microsoft System Center 2012 Service Pack 1 (SP1). You will also learn to design, deploy, and manage Windows 8 Enterprise applications in a physical, virtual, and cloud environment.

This course incorporates material from the Microsoft Official Course 20416 and it can assist you in your preparation for Exam 70-416: Implementing Desktop Application Environments.

What You'll Learn

- Design an application distribution strategy appropriate for an organizational environment
- Diagnose and remediate application compatibility problems for desktop and presentation virtualization-based deployments
- Use Group Policy and Windows Intune to deploy applications to client devices
- Deploy applications centrally using System Center 2012 Configuration Manager SP1
- Configure self-service application deployments using Configuration Manager SP1, Service Manager SP1, and Windows Store apps
- Design and deploy Windows Server 2012 roles and features to support presentation virtualization
- Prepare, deploy, and manage applications for Remote Desktop, RemoteApp, and Remote Desktop Web Access
- Design and deploy Windows Server 2012 roles and features to support application virtualization
- Virtualize and deploy applications using App-V and System Center 2012 Configuration Manager SP1
- Plan and configure the appropriate infrastructure to streamline the deployment of software updates to applications
- Plan and configure application security
- Plan and implement application upgrades, supersedence, and application

coexistence

- Monitor the deployment, performance, and utilization of applications and determine if current application hosting platforms are meeting business needs

Who Needs to Attend

IT professionals who are interested in specializing in Windows 8 application deployments and managing the application environments for large organizations

Prerequisites

- Experience supporting Windows 8 client desktops
- Experience deploying and managing applications, both physical and virtual
- Solid understanding of TCP/IP and networking concepts
- Understanding of Windows and Active Directory Domain Services (AD DS)
- Understand how to use scripts and batch files
- Solid understanding of security concepts, including authentication and authorization
- Experience performing a clean installation of Windows 8, upgrading to Windows 8, and migrating user-related data and settings from Windows XP
- Ability to configure disks, partitions, volumes, and device drivers to enable Windows 8 to function as desired
- Ability to configure and troubleshoot permissions and other settings to allow access to resources and applications on Windows 8 Systems
- Experience configuring settings to enable network connectivity and mobile computers and devices
- Experience configuring and troubleshooting a wireless network connection and Windows 8 security.
- Understanding of the client administration capabilities of Windows Server and familiarity with management tools, such as the Microsoft System Center suite of products
- MCSA: Windows 2012 Server certification or equivalent skills



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VIRTUAL CLASSROOM LIVE

\$2,995 CAD

5 days

Virtual Classroom Live Outline

1. Designing an Application Distribution Strategy

- Determining Business Requirements for Application Distribution
- Application Distribution Strategies

2. Diagnosing and Remediating Application Compatibility

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

3. Deploying Software Using Group Policy and Windows Intune

- Deploying Software by Using Group Policy
- Sideloaded Windows Store Apps
- Deploying Software by Using Windows Intune

4. Deploying Applications Using System Center Configuration Manager SP1

- Application Deployment Using Configuration Manager 2012 SP1
- Deploying Applications Using Configuration Manager 2012 SP1

5. Configuring Self-Service Application Deployment

- Self-Service Application Deployment
- Configuring Self-Service with Windows Intune
- Self-Service Deployment with Configuration Manager 2012 SP1
- Self-Service Deployment with Service Manager 2012

6. Designing and Implementing Presentation Virtualization Infrastructure

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

7. Preparing, Configuring, and Deploying Presentation Virtualization Applications

- Determining Presentation Virtualization Application Strategies
 - Deploying Remote Desktop, RemoteApp, and Remote Desktop Web Access
8. Designing and Deploying an Application Virtualization Environment
- Application Virtualization Models
 - Deploying Application Virtualization Infrastructure Components
 - Configuring Application Virtualization Client Support
9. Preparing, Sequencing, and Deploying Virtual Applications
- Sequencing Applications with App-V
 - Deploying App-V Applications
10. Planning and Implementing Application Updates and Security
- Planning Application Updates
 - Deploying Updates With Windows Server Update Services (WSUS)
 - Deploying Application Updates Using Configuration Manager 2012 SP1
 - Implementing Application Security
11. Planning and Implementing Application Upgrades
- Application Upgrades
 - Application Concurrency
12. Monitoring Application Deployment, Use, and Performance
- Planning Application Monitoring
 - Planning Software Inventory and Metering
 - Monitoring Application Resource Utilization

Virtual Classroom Live Labs

Lab 1: Design an Application Deployment Strategy

Lab 2: Diagnose and Remediate Application Compatibility

- Analyze Applications for Potential Compatibility Issues
- Mitigate Application Compatibility Issues

Lab 3: Centralize Software Deployment Using Group Policy and Windows Intune

- Deploy Software by Using Group Policy
- Perform Windows Intune Simulations

Lab 4: Deploy Applications Using Configuration Manager 2012 SP1

- Create a Query by Using System Center Configuration Manager SP1
- Create User and Device Collections

Lab 5: Configure Self-Service Application Deployment

- Plan Self-Service Application Deployment
- Deploy Self-Service Software by Using the Configuration Manager Application Catalog
- Use the Configuration Manager Application Catalog

Lab 6: Deploy and Implement Presentation Virtualization Infrastructure

- Assess Capacity Requirements for Presentation Virtualization
- Configure High Availability for Presentation Virtualization Infrastructure

Lab 7: Configure Applications for Presentation Virtualization

- Configure Access to Remote Desktop Session Host Resources
- Deploy Remote Desktop Session Host Desktop Applications
- Configure and Deploying a RemoteApp Application
- Verify Applications Using RD Web Access

Lab 8: Plan and Deploy Application Virtualization Infrastructure

- Plan the Deployment of App-V Roles and Features
- Deploy App-V Infrastructure
- Configure App-V Client Settings

Lab 9: Prepare, Sequence, and Deploy Virtual Applications

- Install and Configure App-V Sequencer
- Sequence Applications
- Deploy App-V Applications

Lab 10: Prepare and Deploy Application Updates

- Prepare a System Center 2012 Configuration Manager SP1 Site to Support Software Updates
- Deploy AppLocker Policy
- Resequence an App-V Application

Lab 11: Upgrade Applications

- Plan an Application Upgrade Strategy
- Upgrade a Deployed Application
- Replace a Deployed Application
- Configure Application Version Coexistence

Lab 12: Monitoring Application Deployment, Utilization, and Performance

- Configure Asset Intelligence
- Configure System Center 2012 Operations Manager SP1 for Monitoring a Server

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