
Implementing Desktop Application Environments

Duration: 5 Days Course Code: 416 Version: B

Overview:

In this five-day course, build the skills you need to design, deploy, and manage a physical and virtual 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 and virtual environment and in the cloud. This course is designed for experienced IT professionals who support medium to large enterprises, have previous experience working with operating systems running Windows Server, have their Windows 2012 Server certification (MCSA), and have taken course 20413: Designing and Implementing a Server Infrastructure or have equivalent skills. Note: This course maps to the skills and knowledge measured by Microsoft Exam 70-416: Implementing Desktop Application Environments.

Target Audience:

This course is intended for Information Technology professionals who are interested in specializing in Windows 8 application deployments and managing the application environments for large organizations. People attending this training could be support technicians or currently in deployment roles and are considering taking the next step in their career or enhancing their skills in the areas of planning and deploying Windows 8 desktops.

A secondary audience for this course is IT professionals who are looking to take one or both exams: 70-415: Implementing an Enterprise Desktop and Device Infrastructure and 70-416: Implementing Desktop Application Environments as a stand-alone, or as part of the requirement for the MCSE: Desktop Infrastructure certification.

Objectives:

- Design an application distribution strategy that is 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 deployment using System Center 2012 Configuration Manager SP1, System Center 2012 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 by 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, and plan and configure application security.
 - Plan and implement application upgrades, supersedence, and application coexistence.
 - Monitor the deployment, performance, and utilization of applications and determine whether current application hosting platforms are meeting business needs.
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Prerequisites:

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

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

Testing and Certification

- This course helps prepare candidates for exam 70-416.
 - Exam 70-416: Implementing Desktop Application Environments: counts as credit toward the following certification(s):
 - MCSE: Desktop Infrastructure
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Follow-on-Courses:

- M20417, Upgrading Your Skills to MCSA Windows Server 2012

Content:

Module 1: Designing an Application Distribution Strategy

- Developing an Application Lifecycle 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 by Using ACT

Module 3: Deploying Software by Using Group Policy and Windows Intune

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

Module 4: Deploying Applications by Using Microsoft System Center 2012 Configuration Manager SP1

- Understanding Software Deployment by Using System Center 2012 Configuration Manager SP1
- Deploying Software by Using System Center 2012 Configuration Manager SP1

Module 5: Configuring Self-Service Application Deployment

- Understanding Self-Service Application Deployment
- Configuring Self-Service with Windows Intune
- Self-Service Deployment by Using System Center 2012 Configuration Manager SP1
- Self-Service Deployment with Service Manager and Orchestrator

Module 6: Designing and Implementing Presentation Virtualization Infrastructure

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

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

- Determining Presentation Virtualization Application Strategies
- Planning and Deploying Remote Desktop, RemoteApp, and Remote Desktop 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 by Using WSUS
- Deploying Application Updates by Using System Center 2012 Configuration Manager SP1
- Implementing Application Security

Module 11: Planning and Implementing Application Upgrades

- Overview of Application Upgrades
- Overview of Application Concurrency

Module 12: Monitoring Application Deployment, Use, and Performance

- Planning Application Monitoring
- Planning Software Inventory and Metering
- Monitoring Application Resource Utilization

Further Information:

For More information, or to book your course, please call us on Head Office +254 713 027 191

training@clclearningafrica.com

www.clclearningafrica.com

Computer Learning Centre 2nd Floor Museum Hill Centre, Muthithi Road, Westlands, Nairobi, Kenya