MOC 6433 Planning and Implementing Windows Server 2008

Course Summary

Description

This course is intended for IT Professionals who are interested in the knowledge and skills necessary to plan and implement a Windows Server 2008 and Windows Server 2008 R2 environment. It incorporates both the planning of the server infrastructure and key aspects of the implementation, management and maintenance of Active Directory and Network Infrastructure. It is the primary training resource for Exam 70-646 preparation (MCITP: Server Administrator certification). It covers the most important job tasks for Server Administrators who are responsible for the planning, operations, and day-to-day maintenance of Windows Server 2008 and Windows Server 2008 R2 servers in the enterprise.
The course covers Windows server 2008, Windows Server 2008 R2 and Windows Server 2008 R2 sp1.

Objectives
At the end of this course, students will be able to:

- Plan Windows Server 2008 and Windows Server 2008 R2 Sp1 deployments and upgrades
- Plan server management and delegated administration strategies
- Plan for network addressing with IPv4 and IPv6 and also the provisioning of DNS services
- Plan and provision Active Directory Domain Services
- Plan and implement Group Policy strategy
- Plan and implement Active Directory Certificate Services
- Plan and provision Application servers including Web services, presentation virtualization and application virtualization
- Plan and implement file and print server roles
- Plan and implement secure network access policies such as VPNs, Network Access Protection (NAP) and Direct Access
- Plan and provision data and storage
- Plan and implement an update management strategy using Windows Server Update Services (WSUS)
- Plan and implement high availability
- Plan for server performance and event monitoring
- Plan and implement a backup and recovery strategy

Topics

- Planning Server Deployment and Upgrade
- Planning Server Management and Delegated Administration
- Planning Network Addressing and Name Resolution
- Planning and Provisioning Active Directory Domain Services
- Planning and Provisioning Active Directory Domain Services
- Planning Group Policy Strategy
- Planning Active Directory Certificate Services
- Planning and Provisioning Application Servers
- Planning File and Print Services
- Planning Network Access
- Provisioning Data and Storage
- Planning Update Deployment
- Planning High Availability
- Planning Performance and Event Monitoring
- Enterprise Backup and Recovery

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Course Summary (cont'd)

Audience

This course is intended for experienced IT Professionals looking to gain deeper insight and decision making knowledge for a variety of planning and implementation tasks typically carried out by Server Administrators. Also, this course is relevant for you if you have been working as a Server Administrator on a previous version of Windows Server and want to update your skills to the Windows Server 2008 and Windows Server 2008 R2 Sp1 environment.
The course is intended to build on the student's existing skills in the areas of Active Directory and Network Infrastructure for Windows Server 2008, therefore it is not suitable for new or inexperienced server administrators.

Prerequisites

Before attending this course, students must possess the following skillset and knowledge: At least one year experience in implementing or contributing to server and client planning, at least one year experience carrying out day to day network Infrastructure and Active Directory management and maintenance tasks and technology skills equivalent to moc course 6418C: Deploying Windows Server 2008 .

Also, the following prerequisite certifications would support your preparation for attending this course and the taking of the subsequent related exam (70-646): MCTS: Windows Server 2008 Active Directory Configuration Equivalent course(s): 6425C and 6426C, MCTS: Windows Server 2008 Network Infrastructure Configuration Equivalent course(s): 6421B.

Duration

Five days

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Course Outline

I. Planning Server Deployment and Upgrade
This module explains how to plan Windows Server 2008 and Windows Server 2008 R2 deployments and upgrades.

A. Developing a Deployment Strategy
B. Virtualization Considerations
C. Selecting an Automation Strategy
D. Implementing an Automation Strategy

II. Planning Server Management and Delegated Administration
This module explains how to plan for server management and delegated administration on Windows Server 2008 and Windows Server 2008 R2 environments

A. Server Management Tools
B. Decentralizing Systems Administration

III. Planning Network Addressing and Name Resolution
This module explains how to plan for IPv4 and IPv6 addressing in your network and to plan and implement DNS and DHCP in a Windows Server 2008 and Windows Server 2008 R2 environment

A. Provisioning IPv4 Addresses on Enterprise Networks
B. Provisioning IPv6 Addresses on Enterprise Networks
C. Transitioning to IPv6
D. Provisioning DNS Services on Enterprise Networks

IV. Planning and Provisioning Active Directory Domain Services
This module explains how to plan and provision Active Directory Domain Services in Windows Server 2008 and Windows Server 2008 R2 environments.

A. Deploying Domain Controllers in Multi-Site Organizations
B. Planning Administrative and Management Structures for AD DS
C. Planning a Maintenance Strategy for AD DS
D. Planning a Backup and Restore Strategy for AD DS

V. Planning Group Policy Strategy
This module explains how to plan and implement Group Policy strategy n Windows Server 2008 and Windows Server 2008 R2 environments

A. Planning Group Policy Settings
B. Planning Group Policy Assignment
C. Planning the Management of Group Policy Objects

VI. Planning Active Directory Certificate Services
This module explains how to plan Active Directory Certificate Services in Windows Server 2008 and Window Server 2008 R2 environments

A. Enterprise PKI Deployment and Administration
B. Managing Certificate Templates
C. Planning Certificate Enrollment and Revocation

VII. Planning and Provisioning Application Servers
This module explains how to plan and provision application servers in Windows Server 2008 and Windows Server 2008 R2 environments.

A. Planning and Provisioning Web Services
B. Planning and Provisioning Presentation Virtualization
C. Planning and Provisioning Application Virtualization

VIII. Planning File and Print Services
This module explains how to plan and implement File and Print services in your Windows Server 2008 and Windows Server 2008 R2 environment.

A. Provisioning File Services
B. Provisioning and Managing Storage
C. Provisioning and Managing Network Print Services
D. Migrating File and Print Services

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Course Outline (cont'd)

IX. Planning Network Access
This module explains how to plan and implement your network infrastructure components in your Windows Server 2008 and Windows server 2008 R2 environment.

A. Planning Network Security
B. Planning Virtual Private Networks
C. Planning Network Access Protection
D. Planning DirectAccess

X. Provisioning Data and Storage
This module explains how to provision data and storage in your Windows Server 2008 and Windows server 2008 R2 environment.

A. Planning and Implementing Distributed File System
B. Planning and Implementing BranchCache
C. Provisioning Storage

XI. Module 11: Planning Update Deployment
This module explains how to plan and implement a Windows Server Update Service topology and how to deploy and manage updates in your Windows Server 2008 and Windows Server 2008 R2 environment.

A. WSUS Topologies
B. Update Management

XII. Planning High Availability
This module explains how to plan and implement High Availability in your Windows Server 2008 and Windows Server 2008 R2 environment

A. Planning Network Load Balancing
B. Planning Failover Clustering
C. Planning for Service Availability

XIII. Planning Performance and Event Monitoring
This module explains how to plan for performance and event monitoring in your Windows Server 2008 and Windows Server 2008 R2 environment.

A. Monitoring and Analyzing Server Performance
B. Managing Events

XIV. Enterprise Backup and Recovery
This module explains how to plan for back ups and disaster recovery in your Windows Server 2008 and Windows Server 2008 R2 environment

A. Disaster Recovery Concepts
B. Planning Windows Server Backup
C. Planning and Administering Recovery

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