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## Planning and Administering Windows Server 2008 Servers

**Duration: 3 Days**    **Course Code: M6430**

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### Overview:

This five-day instructor-led course provides students with the knowledge and skills to implement, monitor, and maintain Windows Server 2008 servers.

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### Target Audience:

This course is intended for entry level server administrators or IT professionals who are interested in becoming server administrators as the next step in their career path.

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### Objectives:

- Plan a Windows Server 2008 Deployment.
  - Plan and implement server commissioning and decommissioning for Windows Server 2008.
  - Plan the installation of server roles for Windows Server 2008.
  - Create a configuration change plan for Windows Server 2008.
  - Plan and implement Windows Server 2008 security.
  - Manage application versioning in Windows Server 2008.
  - Plan for a high-availability Windows Server 2008 deployment.
  - Plan a server update maintenance schedule for Windows Server 2008.
  - Maintain Distributed File System (DFS) in Windows Server 2008.
  - Define server backup requirements and policies for Windows Server 2008 backup.
  - Plan and implement a Windows Server 2008 restore.
  - Plan Windows Server 2008 monitoring.
  - Troubleshoot hardware issues.
  - Troubleshoot software issues.
  - Troubleshoot network issues.
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### Prerequisites:

Before attending this course, students should have up to 1 year experience implementing server plans although have probably not yet had full responsibility for planning.

This course requires that students meet the following prerequisites:

- A strong familiarity with Windows deployment technologies and implementation.
  - A strong familiarity with Windows networking technologies and implementation.
  - A strong familiarity with Active Directory technologies and implementation.
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### Follow-on-Courses:

- 6418 - Deploying Windows Server 2008
  - 6420 - Fundamentals of Windows Server 2008 Network and Applications Infrastructure
  - 6421 - Configuring and Troubleshooting a Windows Server 2008 Network Infrastructure
  - 6424 - Fundamentals of Windows Server 2008 Active Directory
  - 6425 - Configuring Windows Server 2008 Active Directory Domain Services
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## Content:

### Module 1: Planning for Windows Server 2008 Deployment

After completing this module, students will be able to:

- Explain the advantages of deploying Windows Server 2008.
- Identify Windows Server 2008 compatibility issues.
- Develop a Windows Server 2008 deployment plan.

### Module 2: Managing Server Migration

After completing this module, students will be able to:

- Create a deployment plan for Windows Server 2008.
- Identify server decommissioning steps.
- List Windows Server 2008 deployment and migration tools.

### Module 3: Planning Windows Server 2008 Server Roles

After completing this module, students will be able to:

- Identify hardware configuration options for Windows Server 2008.
- Identify performance implications when combining server roles.
- List guidance for installing file servers.
- Plan for Windows Server 2008 Server Core.

### Module 4: Creating a Configuration Change Plan for Windows Server 2008

After completing this module, students will be able to:

- Design a change control process for implementing configuration changes.
- Plan for configuration changes.
- Evaluate the success of configuration changes.

### Module 5: Managing Windows Server 2008 Security

After completing this module, students will be able to:

- Plan a defense-in-depth strategy for Windows Server 2008 security.
- Implement host-level security for Windows Server 2008.
- Implement server security by using Group Policy.
- Implement network security for Windows Server 2008 servers.

### Module 6: Planning for the Application Server Role

After completing this module, students will be able to:

- Determine the requirement for application servers.
- Identify application server role components.
- Plan for supporting the Microsoft .NET Framework.

### Module 7: Planning for Windows Server 2008 High Availability

After completing this module, students will be able to:

- Develop a plan for Network Load Balancing (NLB).
- Describe the improved failover clustering support in Windows Server 2008.
- Plan for failover clustering in Windows Server 2008.

### Module 8: Maintaining Windows Server 2008

After completing this module, students will be able to:

- Create a server management task schedule for Windows Server 2008.
- Plan for security update management plan by using Windows Server Update Services (WSUS).
- List automated maintenance tools for Windows Server 2008.

### Module 9: Maintaining a Distributed File System on Windows Server 2008

After completing this module, students will be able to:

- Identify services required for Distributed File System (DFS).
- Explain DFS fault tolerance.
- Identify DFS management tools.

### Module 10: Planning Windows Server 2008 Backup

After completing this module, students will be able to:

- Create a backup and recovery plan by using Windows Server Backup.
- Develop a backup policy for using Windows Server Backup.

### Module 11: Managing a Windows Server 2008 Restore

After completing this module, students will be able to:

- Create a server restore plan.
- Create a plan for restoring Encrypting File System (EFS) files.
- Verify the restore procedure.

### Module 12: Monitoring Microsoft Windows Server 2008 Servers

After completing this module, students will be able to:

- Plan monitoring tasks.
- Determine an appropriate server baseline.
- Determine objects and counters to monitor based on server role.
- Select the appropriate monitoring tools.
- Identify appropriate notification methods.

### Module 13: Troubleshooting Microsoft Windows Server 2008 Hardware

After completing this module, students will be able to:

- Identify hardware issues.
- Explain physical component failure.
- Manage device driver failure.

### Module 14: Troubleshooting Microsoft Windows Server 2008 Software

After completing this module, students will be able to:

- Evaluate the effect of software problems.
- Identify troubleshooting log files.
- Identify core operating system components.
- Evaluate software security issues.

### Module 15: Troubleshooting Microsoft Windows Server 2008 Networks

After completing this module, students will be able to:

- Identify common types of network problems.
- Resolve IP connectivity issues.
- Resolve name resolution issues.

## Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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