

Course Outline: 6418 _ Deploying Windows Server 2008

Learning Method: Instructor-led Classroom Learning

Duration: 3.00 Day(s)/ 24 hrs

Overview:

This 3-day, instructor-led course provides students with an understanding of migrating and deploying Windows Server 2008, including installation, configuration, and upgrading. Special emphasis is given to upgrading common server configurations and using the Windows Server Deployment Solution Accelerator.

Who Should Attend: This course is intended for individuals who are employed as a Systems Administrator, Systems Engineer, IT Manager and IT Professionals

At Course Completion:

After completing this course, students will be able to:

- Install Windows Server 2008.
- Perform initial configuration tasks for Windows Server 2008.
- Conduct an unattended install of Windows Server 2008.
- Configure Windows Server Core 2008.
- Use Windows Deployment Services to deploy Windows Server 2008.
- Utilize Windows Server Deployment.
- Upgrade to Windows Server 2008 from Windows Server 2003.
- Upgrade Active Directory to Windows Server 2008.
- Upgrade Windows Server 2003 File and Print servers to Windows Server 2008.
- Upgrade Windows Server 2003 Application and Web servers to Windows Server 2008.
- Upgrade Windows Server 2003 Branch Office servers to Windows Server 2008.
- Implement a Volume Licensing Strategy using KMS and MAK.

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Outline:

Module 1: Windows Server 2008 Installation & Configuration

Lessons

- Improvements in setup from Windows 2003 to Windows Server 2008 and Windows 2008 installation requirements
- Windows Server 2008 Server Core installation
- Implement a volume license strategy using KMS and MAK

Lab: Install Windows Server 2008

- Install Windows Server 2008
- Install Windows Server Core 2008

Module 2: Windows Server Core 2008 Configuration

Lessons

- Basic Server Core command-line configuration tasks
- Configuring the roles available on Server Core

Lab: Configure Windows Server Core 2008

- Perform command-line configuration tasks
- Configure Server Core roles

Module 3: Windows Server 2008 Unattended Installation

- Unattended 2008 Install
- Unattended deployment infrastructure
- Unattended domain controller installation

Lab: Deploying Windows Server 2008 Using an Unattend File

- Deploying Windows Server 2008 using an Unattend file

Lab: Install Active Directory on Server Core Using an Unattend file

- Install Active Directory on Server Core using an Unattend file

Lab: Deploy an RODC in a Branch Office Using an Unattend File

- Deploy an RODC in a branch office using an Unattend File
- Configuring BitLocker on a branch office server



Module 4: Using Windows Deployment Services

Lessons

- Working with the WIM format
- Windows Deployment Services

Lab: Working with Windows Deployment Services

- Configure WDS
- Create images with WDS
- Associate a language pack with an image
- Deploy an image with WDS
- Using Unattend file with WDS to deploy images
- Custom computer naming

Module 5: Windows Server Deployment (WSD) Solution Accelerator

Lessons

- Introduction to WSD Solution Accelerator
- Creating Custom Windows Server 2008 builds
- Guidance for Zero-Touch deployment using WSD

Lab: Working with WSD

- WSD Overview
- Configuring WSD for deployment
- Creating and customizing a Windows Server 2008 build
- Creating and sharing deploy points
- Modifying the CustomSettings.ini file
- Use the Deployment Workbench to build and capture the reference computer
- Deploying Windows Server 2008 using WSD 2007 (includes procedures for custom computer naming)

Module 6: Upgrading and Migrating Active Directory Lessons

- Windows Server 2008 upgrade overview
- Upgrading Windows Server 2003 domain controllers to Windows Server 2008 Domain Controllers
- Active Directory upgrade best practices

Lab: Upgrading Windows Server 2003 Domain Controllers to Windows Server 2008 Domain Controllers

- Upgrading Windows Server 2003 domain controllers to Windows Server 2008 domain controllers

Lab: Using WSD to deploy an RODC to a branch office

- Using WSD to deploy an RODC to a branch office

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Module 7: Upgrading File and Print Servers

Lessons

- Upgrading file and print servers
- Best practices for upgrading a Windows Server 2003 file and print server to Windows Server 2008

Lab: Upgrading a Windows Server 2003 File and Print Server to Windows Server 2008

- Upgrading a Windows Server 2003 File and Print Server to Windows Server 2008

Module 8: Upgrading Application and Web Servers

Lessons

- Upgrading application and Web servers
- Best practices for upgrading a Windows Server 2003 application and Web server to Windows Server 2008

Lab: Upgrading a Windows Server 2003 Web Server to Windows Server 2008 and IIS 7.0

- Upgrading a Windows Server 2003 Web Server to Windows Server 2008 and IIS 7.0

Lab: Upgrading a Windows Server 2003 Terminal Server to Windows Server 2008

- Upgrading a Windows Server 2003 terminal server to Windows Server 2008

Module 9: Upgrading Branch Office Servers

Lessons

- Migrating or upgrading a Windows Server 2003 branch office server to Windows Server 2008
- Low-touch branch office server deployment

Lab 1: Upgrading a Windows Server 2003 Branch Office Server to Windows Server 2008

- Upgrading a Windows Server 2003 branch office server to Windows Server 2008

Module 9: Migrating Workloads to Microsoft Virtual Machines

Lessons

- Microsoft Server Virtualization
- Migrating Workloads to Microsoft Virtual Machines

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**Lab 1: Migrating Workloads to
Microsoft Virtual Server Using VSMT**

- Migrate a Windows NT 4.0 server to a virtual machine

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