

Module 1 – Deployment

This module discusses the roles, features and editions of Windows Server 2008, server deployment, and managing Windows Deployment Services (WDS) images.

Section 1.1: Windows Server 2008

Summary

In this section the students will learn about Windows Server 2008 roles, features, and editions. Details include:





- Common Windows Server 2008 roles:
 - Active Directory Domain Services (AD DS)
 - Active Directory Certificate Services (AD CS)
 - Domain Name System (DNS)
 - Dynamic Host Configuration Protocol (DHCP)
 - File Services
 - Print and Document Services
 - Windows Sharepoint Foundation 2010
 - Network Access Protection
 - Remote Desktop Services
 - Internet Information Services (IIS)
 - Windows Deployment Services (WDS)
- Common features:
 - BitLocker
 - Remote Assistance
 - SMTP Server
 - Telnet
 - Failover Clustering
 - Network Load Balancing (NLB)
 - Windows Server Backup
 - PowerShell
- Windows Server 2008 editions:
 - Standard Edition
 - Enterprise Edition
 - Datacenter Edition
 - Web Server Edition
 - Itanium Edition
- Server Core

Students will learn how to:

- View server roles and services on a Server Core installation.
- Add server roles to a Server Core installation.
- Manage services on a Server Core installation.

Windows Server 2008 Server Administrator

- 101. Plan server installations and upgrades.

| Video/Demo | Time |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <input type="checkbox"/>  1.1.1 Server Roles | 3:45 |
| <input type="checkbox"/>  1.1.3 Server Editions | 4:32 |
| <input type="checkbox"/>  1.1.4 Server Core | 5:28 |
| <input type="checkbox"/>  1.1.6 Configuring Server Core | <u>6:35</u> |
| <i>Total</i> | <i>20:20</i> |

Number of Exam Questions: 9 questions

Total Time: About 40 minutes

Section 1.2: Deployment

Summary

This section discusses server deployment. Details include:





- Volume activation methods:
 - Multiple Activation Key (MAK)
 - Key Management Services (KMS)
- Unattended installation

Students will learn how to:

- Use the Windows System Image Manager (Windows SIM) to create and edit answer files.

Windows Server 2008 Server Administrator

- 101. Plan server installations and upgrades.
- 102. Plan for automated server deployment.

| Video/Demo | Time |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <input type="checkbox"/>  1.2.1 2008 Deployment | 7:40 |
| <input type="checkbox"/>  1.2.2 Automated Deployment Overview | 4:52 |
| <input type="checkbox"/>  1.2.3 Creating an Answer File | 8:57 |
| <input type="checkbox"/>  1.2.4 Server Rollback | <u>4:45</u> |

Total

26:14

Number of Exam Questions: 2 questions

Total Time: About 30 minutes

Section 1.3: Windows Deployment Services (WDS)

Summary

This section explores managing WDS images. Details include:

- Types of WDS images:
 - Install image
 - Boot image
 - Capture boot image
 - Discover boot image
- WDS server requirements
- WDS client requirements
- Prestaging accounts
- PXE response settings for the WDS server:
 - Do not respond
 - Respond only to known computers
 - Respond to computers
- Methods for sending images to clients:
 - Unicast transmission
 - Multicast transmission
- Managing images

Students will learn how to:

- Install the Windows Deployment Services (WDS) role.
- Configure WDS multicast transmissions.
- Create install, boot, capture, and discover images.
- Configure WDS server settings.

Windows Server 2008 Server Administrator

- 102. Plan for automated server deployment.

Video/Demo

Time

- | | |
|------------------------------------------------------------------------------------------------------------------------------|--------------|
| <input type="checkbox"/>  1.3.1 WDS | 11:21 |
| <input type="checkbox"/>  1.3.2 Using WDS | <u>13:34</u> |

CIST2414 Microsoft Server Administrator

Total

24:55

Number of Exam Questions: 6 questions

Total Time: About 40 minutes