

10974 Deploying Windows Server®

Course Overview

In this course you will learn how to plan for and deploy your Windows Server infrastructure in both physical and virtual environments. You will learn about different deployment methodologies and techniques, and work with lite-touch and zero-touch deployment options, as well as general imaging usage and configuration. You will also learn how to use Windows Deployment Services and how to work with solution accelerators, such as the Windows Assessment and Deployment Toolkit (Windows ADK), the Microsoft Assessment and Planning Toolkit (MAP), and the Microsoft Deployment Toolkit (MDT). These tools will help you increase your efficiency and reduce management overhead.

Who Should Attend

This course is intended for experienced IT Professionals who might have the following experience and background:

- IT professionals with real-world experience working in an enterprise environment where they are involved in physical and virtual server deployments and are looking to gain knowledge and training to streamline those tasks.
- IT professionals with real-world experience working in a Windows Server 2008 environment and are preparing for a Windows Server 2012 deployment.
- IT professionals working in small to medium enterprises who manage server deployments.
- IT professionals who have skills in other areas, such as general system administration, and are looking for knowledge and skills for career development in Windows Server deployments.

Course Outline

1 Preparing to Deploy Windows Server 2012

Planning a Windows Server 2012 Implementation
Installing Windows Server 2012
Configuring and Managing Servers Remotely
Securing a Windows Server 2012 Deployment
Implementing a Volume Licensing Strategy
Lab : Planning to Implement Windows Server 2012
Lab : Configuring and Managing Server Core

2 Deploying Windows Server 2012

Selecting a Suitable Deployment Method
Overview of Image Files in the Deployment Process
The Windows Assessment and Deployment Toolkit
Working with Unattended Answer Files
Lab : Deploying Windows Server with Answer Files

This is a 3-day class



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3 Using Windows Deployment Services

Overview of Windows Deployment Services
Implementing Deployment with Windows Deployment Services
Administering Windows Deployment Services
Lab : Using Windows Deployment Services

4 Implementing Microsoft Deployment Toolkit

Overview of MDT 2013
Configuring Microsoft Deployment Toolkit
Performing Lite-Touch Deployments
Maintaining Images with MDT
Performing Zero-Touch Deployments
Lab : Implementing Microsoft Deployment Toolkit

5 Planning to Virtualize Workloads

Overview of Microsoft Virtualization
Evaluating the Current Environment for Virtualization
Planning for Virtualization
Lab : Planning to Virtualize Workloads

6 Upgrading and Migrating Networking Services

Migrating the DHCP Server Role
Migrating the DNS Server Role
Implementing IPAM
Lab : Upgrading and Migrating Network Services
Lab : Implementing IPAM

7 Upgrading and Migrating Server Roles

Upgrading and Migrating File Servers
Migrating Web and Application Servers
Lab : Migrating File Services
Lab : Preparing and Migrating a Web Server

8 Upgrading and Migrating AD DS

Windows Server 2012 AD DS Upgrade and Migration Overview

Upgrading Domain Controllers to Windows Server 2012
Restructuring a Domain
Lab : Upgrading AD DS to Windows Server 2012

9 Migrating Additional Active Directory-Related Roles and Services Migrating AD CS

Migrating AD FS
Migrating AD RMS
Overview of Windows Azure AD
Implementing Windows Azure AD
Lab : Migrating AD CS
Lab : Implementing Windows Azure AD