

70-643: Windows Server 2008 Applications Infrastructure

Course Introduction

8m

Module 01 - Deploying Windows in the Enterprise

2h 31m

Lesson 1: How to Deploy Windows in the 2008 Server Environment

Basics of Windows Deployment

Tools of the Planning Phase

Tools of the Building Phase

Tools of the Deployment Phase

Basics of Windows Deployment, Cont.

Windows PE

Image X

Windows SIM

Sysprep

WIM: A Closer Look

Ways to Deploy Windows

Manual Deployment

Lite & Zero-Touch Deployment

Lesson 2: Working with WDS

Looking at Windows Deployment Services

WDS Components

The WDS Role

Initial WDS Configuration

WDS Server Properties

Image Capturing

How Deployment Works

What Happens in the Background

Demo - Configuring WDS

Demo - Install Boot Image

Lesson 3: Virtual Machine Deployment

Understanding What a VM Is

Prior Virtualization Options

Hyper-V

Hyper-V Disk Types

Hyper-V Networks

Demo - Install Hyper-V

Lesson 4: Putting in an Activation Infrastructure

Windows Activation Types

The MAK Model

KMS Activation

Module 01 Review

Module 02 - Working with Terminal Services

1h 14m

Lesson 1: Terminal Server Setup and Deployment

Basics of Terminal Services

TS Features

Remote Desktop

How to Install TS

TS License Options

Preparing the Terminal Server

Installing Application on the TS

Demo - Installing Terminal Services

Demo - TS Licensing

Lesson 2: Working with Terminal Services

Configuration Console

RDP Connection Properties

More on the TS General Tab

Using Group Policy with TS

Demo - Terminal Services Manager

Module 02 Review

Module 03 - Working with a Terminal Services Infrastructure

1h 26m

Lesson 1: Using Terminal Server Clients

Working with the TS Client

RDP as a TS Client

Using GPO to Configure the Client

Using TS User Profiles

Setting Up User Connections

TSM Properties

Managing Connected Users

Common User Management Tasks

Working with Client Resources

Lesson 2: Introducing the Terminal Services Gateway

What is the TS Gateway?

Example Design of the TS Gateway

TS Gateway Installation and Initial Configuration

The Installation Options

Demo - Terminal Services Infrastructure

Lesson 3: Application Publishing, Using the TS RemoteApp

Using TS RemoteApp to Publish an Application

Advantages of Using RemoteApp

Hosting a RemoteApp on a Server
Using TS Web Access to Deploy a RemoteApp
Distributing RemoteApps with RDP
Using the Windows Installer and Remote Application for Distribution
Demo - RemoteApp
Demo - RDPFile
Module 03 Review

Module 04 - Storage and High-Availability

1h 20m

Lesson 1: Server Storage Options and Setup
Overview of Server Storage Options
Managing Storage
Using Diskmgmt.msc
Advanced Volume Features
Demo - Working with Disk Sets
Lesson 2: Server Clusters
High-Availability Options
More About Load Balancing
High-Availability
Installing and Configuring High-Availability
Demo - NLB
Module 04 Review

Module 05 - File and Email Services

1h 29m

Lesson 1: Working with FTP
Publishing Services
FTP Publishing Service
FTP Security
Other FTP Settings
Working with FTP 7
FTP 7 Configuration Files
FTP User Security
More on User Isolation
Securing Network Access to/from FTP
FTP Firewall
Site Settings
Logs - Unsung Hero of Security
Directory Browsing
Demo - Configuring FTP
Demo - Working with FTP
Lesson 2: Working with SMTP
The SMTP Feature
Working with SMTP Services
SMTP Server Settings
Securing SMTP

SMTP Messages Options
Delivery Properties
Management Permission
Monitoring
Using SMTP
Accessing Email with ASP.NET
Demo - Installing SMTP
Module 05 Review

Module 06 - Working with Web Applications

2h 41m

Lesson 1: Installing IIS
IIS Security
What's New in IIS 7.0
IIS Components and Options
The Application Server Role on Windows 2008 Server
Features of the Application Role
The IIS 7.0 Role on Windows 2008 Server
IIS Default Role Services
Review of the Role Services
Installing the IIS Role
Post IIS Installation Notes
What is the WSRM
Demo - Installing IIS
Lesson 2: Configuring IIS
Management Tools for IIS
IIS Management Console
Working with Web Sites
Sites and Bindings
Your Default Site
New Web Sites
Limiting Sites
Site Logging
How Do Web Applications Fit Into IIS?
Application Pools
Virtual Directories
Working with the CLI
The appcmd
More Command Line Options
Working with the Web Server Config Files

Web.config

Operations on Web Sites and Applications

Centralized Configuration

Migrating from IIS 6.0

Demo - Creating Web Sites

Demo - Backup IIS

Module 06 Review

Module 07 - Web Server Management & Security

2h 5m

Lesson 1: Working with IIS Security

What Accounts Were Created with IIS Installation?

File System Permissions

Working with IIS Administration Features

What are Request Handlers

Configuring Handlers

Handler Security

Handler Mappings

More Handler Security

Demo - Managing IIS Security

Demo - Managed Handler Mappings

Lesson 2: Securing Access to Web Services

Working with IIS Authentication

Types of Authentication

Authentication Requirements

Authentication Levels

URL Authorization Rules

Configuring Server Certificates

Getting the Certificate

Other Types of Certificates

Confirming the Certificate

Import and Export of Certificates

Encryption

More Security Options

.NET Trust Levels

Implementing .NET Trust Levels

Demo - Securing Web Services

Demo - Configuring Server Certificates

Module 07 Review

Module 08 - Collaboration with WSS

1h 7m

Lesson 1: Working with Windows SharePoint Services

What is WSS?

WSS Deployment Options

WSS Access

Options for Deployment

Demo - Installing SharePoint
WSS Configuration Wizard
Confirming Proper WSS Installation
Accessing WSS via the Web Client
Administering WSS from the Web Browser
The Administration Page
Managing SharePoint
Demo - Working with SharePoint
WSS Security
E-mail Options
WSS Logging
Usage Analysis
WSS Job Management
Administration Automation
Disaster Recovery for WSS
Working with WSS Sites
Site Collection Options
Quota Options
Managing the Site Settings
Working with Web Applications
Web Application Settings
Web Application Security
Using Application Templates
Module 08 Review

Module 09 - Working with Windows Media

1h

Lesson 1: Windows Media Services
How to Configure Windows Media Service
Management Tools for Windows Media
Working with Publishing Points
Add Publishing Point Wizard
Administration of Publishing Points
Monitoring Publishing Points
Publishing Point Source Settings
Announcements
The Create Wrapper Wizard
The Announcement Wizard
Settings for the Publishing Point
Advertising Settings
Securing Windows Media Services
Cache/Proxy Features

Cache Settings

Proxy Settings

Monitoring Proxy/Cache Servers

Protecting Content

Demo - Installing Media Services

Demo - Making a Publishing Point

Module 09 Review

Course Closure

Total Duration: 14h 59m