

Configuring and Managing Windows Media Services for Windows Server 2008

Course number: GWE-6429
2 days

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Prerequisites

Before attending this course, students must have:
Internet Information Services (IIS) 6.0 experience:

- 1 Year of experience administering and supporting IIS
- 1 Year of experience administering and supporting Microsoft Windows Server™ 2003
- Network + certification

Course Objectives

After completing this course, students will be able to:

- Configure Live Streaming solutions.
- Configure On-Demand Streaming solutions.
- Configure service roles.
- Configure logging and plug-ins.
- Configure Advanced Streaming solutions 7.0.
- Configure Windows Media Services availability solutions.

Course Summary and Lessons

This two-day instructor-led course provides students with the knowledge and skills to configure and manage Windows Media Services.

This course is intended for existing Windows Media Services Streaming Media Services Technology Specialists and other Technology Specialists interested in expanding their job skills to include Windows Media Services.

Module 1: Implementing Windows Media Services

This module explains how to implement Windows Media Services.

Lessons

- Overview of Windows Media Server
- Preparing for Windows Media Services
- Installing Windows Media Services

Lab: Implementing Windows Media Services

- Exercise 1: Installing Windows Media Services
- Exercise 2: Configuring Control Protocols
- Exercise 3: Testing the Windows Media Server

After completing this module, students will be able to:

- Describe Windows Media Services.
- Prepare for Windows Media Services.
- Install Windows Media Services.

Module 2: Implementing Content Streaming

This module explains how to implement Streaming solutions.

Lessons

- Overview of On-Demand Streaming
- Implementing On-Demand Streaming Solutions
- Overview of Live Content Streaming

- Implementing Live Content Streaming

Lab A: Configuring On-Demand Streaming

- Exercise 1: Preparing the Content for On-Demand Publishing
- Exercise 2: Configuring and Testing the On-Demand Publishing Points

Lab B: Configuring Live Content Streaming

- Exercise 1: Encoding Content to File
- Exercise 2: Configuring and Archiving a Pull Broadcast
- Exercise 3: Configuring a Push Broadcast

After completing this module, students will be able to:

- Configure data sources for on demand streaming.
- Implement on demand streaming solutions.
- Describe live content streaming.
- Implement live content streaming.

Module 3: Configuring Windows Media Services

This module explains how to configure Windows Media Services.

Lessons

- Configuring Bandwidth and Connection Limits
- Implementing Event Notification
- Tuning Windows Media Services

Lab: Configuring Windows Media Servers

- Exercise 1: Testing Performance
- Exercise 2: Configuring Limits

After completing this module, students will be able to:

- Implement bandwidth and connection limits.
- Implement event notification.
- Tune Windows Media Services.

Module 4: Configuring Content Security

This module explains how to configure content security.

Lessons

- Configuring Authentication
- Configuring Authorization
- Overview of Digital Rights Management

Lab: Configuring Content Security



- Exercise 1: Requiring a Logon for a Publishing Point
- Exercise 2: Restricting Access to Files
- Exercise 3: Allowing Anonymous Access to Files
- Exercise 4: Allowing Access to Intranet Users

After completing this module, students will be able to:

- Configure authentication in Windows Media Services.
- Configure content access.
- Describe Digital Rights Management.

Module 5: Configuring Playlists and Advertising

This module explains how to configure playlists and advertising.

Lessons

- Overview of Playlists on Windows Media Server
- Configuring Wrapper Playlists
- Configuring Advertising on Windows Media Server

Lab: Configuring Playlists and Advertising

- Exercise 1: Configuring Playlists
- Exercise 2: Modifying Playlists

After completing this module, students will be able to:

- Describe playlists on Windows Media Server.
- Create and edit playlists on Windows Media Server.
- Describe how to configure advertising on Windows Media Server.

Module 6: Configuring Windows Media Services for Advanced Scenarios

This module explains how to configure Windows Media Services for advanced scenarios.

Lessons

- Implementing Distribution Servers
- Configuring Caching and Proxy
- Configuring Windows Media Services for High Availability
- Installing Role Services

Lab: Configuring Windows Media Services for Advanced Scenarios

- Exercise 1: Configuring a Distribution Server for Live Broadcasts
- Exercise 2: Configuring a Proxy Server with Caching
- Exercise 3: Configuring a Reverse Proxy Server with Prestuffed Cache
- Exercise 4: Installing Role Services



After completing this module, students will be able to:

- Describe how to implement distribution servers.
- Describe how to configure caching and proxy.
- Configure Windows Media Services for high availability.
- Describe how to install service roles.

Module 7: Troubleshooting Windows Media Services

This module explains how to troubleshoot Windows Media Services.

Lessons

- Troubleshooting Windows Media Servers
- Troubleshooting Client Connectivity

Lab: Troubleshooting Windows Media Services

- Exercise 1: Configuring Client Logging
- Exercise 2: Viewing Windows Media Services Traffic Using Network Monitor
- Exercise 3: Resolving a configuration problem

After completing this module, students will be able to:

- Troubleshooting Windows Media Servers.
- Troubleshoot client connectivity.

