ADMINISTERING THE WEB SERVER (IIS) ROLE OF WINDOWS SERVER

Course Code: 821531

Learn how to support websites and web application with IIS 8.5

In this course, you will learn how to configure and manage Internet Information Services (IIS). You will learn the skills that support a broad range of web applications, security, and knowledge to help support other products that use IIS (such as Exchange and SharePoint).

What You'll Learn

- Install and monitor IIS
- Configure and manage application pools
- Configure websites and application support
- Secure websites and applications
- Manage certificates in the Centralized Certificate Store
- Configure remote administration
- Implement FTP
- Backup and restore IIS
- Build load-balanced web farms

Who Needs to Attend

- Individuals who want to become web server administrators in an enterprise environment or who are assuming a new role requiring skills to manage content served by an IIS web server over the Internet, an intranet, and an extranet

Web-based applications developers with networking skills who wish to learn more about IIS Experience with:

- Windows networking technologies and implementation
- Windows Server administration, maintenance, and troubleshooting
- Windows Client administration, maintenance, and troubleshooting

Prerequisites

Experience with:

- Windows networking technologies and implementation
- Windows Server administration, maintenance, and troubleshooting
- Windows Client administration, maintenance, and troubleshooting

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CLASSROOM LIVE	$2,995 CAD	5 Day

Classroom Live Outline

1. Overview and Installing Internet Information Services
   - Understanding a web server infrastructure
   - Installing IIS
2. Configuring the Default Website
   - Examining the default website using IIS Manager
   - Examining the default IIS file structure
   - Configuring DNS records for a website
   - Creating virtual directories and applications
3. Configuring and Managing Application Pools
   - Defining the application pool architecture
   - Creating and managing application pools
   - Configuring application pool recycling
4. Creating Additional Websites
   - Understanding configurations for multiple websites
   - Configuring the website bindings
   - Creating new websites
5. Configuring Website and Web Application Support
   - Configuring common features
   - Adding support for web applications
6. Securing Websites and Applications
   - Understanding IIS Authentication and Authorization
   - Configuring authentication and permissions
   - Enabling URL authorization rules
7. Securing Data Transmissions with SSL
   - Understanding certificates and SSL
   - Creating and Managing Web Server Certificates
8. Managing Certificates in the Central Certificate Store
   - Understanding the Central Certificate Store
   - Installing and Configuring the Centralized Certificate Store
9. Configuring Remote Administration

- Installing and configuring the management service
- Connecting to remote web servers and websites
- Delegating management access
10. Implementing FTP
     - Implementing FTP
     - Uploading and Downloading by Using FTP
11. Monitoring IIS
     - Monitoring IIS logs with log parser
     - Analyzing Performance Counters
12. Backing up and Restoring IIS
     - Understanding the IIS environment for backup and restore
     - Performing a backup and restore of a website
13. Building Load-Balanced Web Farms
     - Understanding load-balancing mechanisms
     - Building a load-balanced web farm using ARR
     - Sharing content to a web farm using a shared folders
     - Sharing content to a web farm using DFS-R
     - Sharing IIS configurations in a web farm

Classroom Live Labs

- Lab 1: Installing Internet Information Services
    - ⬚ Perform a default installation of IIS
    - ⬚ Verify and test the installation of a default installation of IIS
- Lab 2: Configuring the Default Website for Public Access
    - ⬚ Create DNS records for both the internal and public website access
    - ⬚ Creating webpages and adding web application support.
- Lab 3: Creating Virtual Directories and Applications
    - ⬚ Create folders, virtual directories, and applications
- Lab 4: Configuring and Managing Application Pools
    - ⬚ Create and configure additional application pools
- Lab 5: Configuring Application Pool Recycling
    - ⬚ Configure application pool recycle settings
- Lab 6: Examining the Existing Websites and Bindings for conflicts
    - ⬚ Document basic website settings
- Lab 7: Creating New Websites
    - ⬚ Configure and test new websites
- Lab 8 Configuring Common Features
    - ⬚ Configure directory browsing, content compression and default documents for the Products website
- Lab 9: Configuring Support for Web Applications
    - ⬚ Configuring ASP.NET settings
- Lab 10: Configuring Authentication and Access
    - ⬚ Install and configure the authentication mechanisms required to support both internal and public websites

- ☐ Configure file system permissions and application pool permissions
- Lab 11: Configuring URL Authorization Rules
    - ☐ Install and configure URL authorization rules
- Lab 12: Creating and Managing Web Server Certificates
    - ☐ Create, export, and import a self-signed certificate
- Lab 13: Adding a Certificate to a Website
    - ☐ Add HTTPS binding to websites
- Lab 14: Installing and Configuring the Central Certificate Store
    - ☐ Configure the environment to store certificates for CCS
- Lab 15: Installing and Configuring the Management Service
    - ☐ Install and configure the management service
- Lab 16: Connecting to Remote Web Servers and Websites
    - ☐ Connect and manage a remote web server and website
- Lab 17: Delegating Management Permissions
    - ☐ Create and manage IIS manager users
- Lab 18: Configuring and Using an FTP Site
    - ☐ Install and configure a secured FTP site
- Lab 19: Monitoring IIS Logs
    - ☐ Configure and query log files
- Lab 20: Backing Up and Recovering Configuration History
    - ☐ Back up and recover configuration history
- Lab 21: Building a Load-Balanced Web Farm Using ARR
    - ☐ Create a web farm by installing and configuring ARR
- Lab 22: Sharing Content to a Web Farm Using a Shared Folders
    - ☐ Sharing content to a web farm using a network share
- Lab 23: Sharing Content to a Web Farm Using DFS-R
    - ☐ Install and configure DFS-R for content replication
- Lab 24: Sharing IIS Configurations in a Web Farm
    - ☐ Configure IIS to use shared configurations

ADMINISTERING THE WEB SERVER (IIS) ROLE OF WINDOWS SERVER

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VIRTUAL CLASSROOM LIVE	$2,995 CAD	5 Day

Virtual Classroom Live Outline

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Jun 22 - 26, 2026 | 8:30 AM - 4:30 PM EDT

Aug 3 - 7, 2026 | 8:30 AM - 4:30 PM EDT

Nov 30 - Dec 4, 2026 | 8:30 AM - 4:30 PM EST

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PRIVATE GROUP TRAINING	5 Day

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