



2576 Implementing and Administering Microsoft Internet Information Services (IIS) (3 days)

INTRODUCTION

This three-day instructor-led course provides students with the knowledge and skills to implement and administer IIS 6.0. The course focuses on the IIS 6.0 architectural features that improve reliability, security, manageability and performance. The course also provides knowledge and skills to successfully install, configure, implement security, monitor, and manage Internet Information Services (IIS) 6.0 servers and Web sites.

COURSE OBJECTIVE

Upon successful completion of this course, students will be able to:

- Describe the main features of IIS 6.0, the IIS 6.0 security model, the request processing and metabase architectures.
- Plan the implementation of IIS 6.0 based on the administrative and business needs of an organization.
- Install and configure IIS 6.0.
- Implement Web server and Web site security.
- Create additional Web and File Transfer Protocol (FTP) sites.
- Administer the IIS metabase.
- Manage Web sites and applications.
- Monitor IIS 6.0 performance and Security.
- Migrate Web sites and applications from earlier versions of IIS.

PREREQUISITES

This course requires that students meet the following prerequisites:

- At least two years' experience in administering Microsoft Windows-based servers.
- Knowledge and experience that is equivalent to skills measured by exams 70-290 and 70-291
- Skills to do the following:
 - Create user and group accounts
 - Assign file system permissions to resources
 - Configure network interface parameters
 - Create and configure Domain Name System (DNS) entries
 - Monitor server performance
 - Monitor network traffic



COURSE OUTLINE

Module 1: Introduction to IIS 6.0

This module explains the main features of IIS 6.0. In addition, the module provides an overview of the request processing, metabase architectures, security model, and the deployment considerations for IIS 6.0.

Lessons

- Overview of the Main Features and Architecture of IIS 6.0
- Deployment Considerations for IIS 6.0

After completing this module, students will be able to:

- Describe the main features and architecture of IIS 6.0..
- Explain the implementation considerations of IIS 6.0.

Module 2: Installing IIS 6.0 and Configuring Baseline Security

This module teaches how to install and configure IIS 6.0. The module also teaches how to install the IIS 6.0 software, configure the default Web site, and set baseline security by using the Security Configuration Wizard of Microsoft Windows Server 2003 SP1.

Lessons

- Installing and Configuring IIS 6.0
- Verifying the Installation of IIS 6.0
- Configuring Baseline Security for IIS 6.0

Lab : Installing IIS 6.0 and Configuring Baseline Security

- Installing IIS 6.0
- Verifying the Installation
- Setting Up the Baseline Security

After completing this module, students will be able to:

- Install and configure IIS 6.0..
- Verify that the IIS 6.0 installation was successful.
- Configure baseline security for IIS 6.0.

Module 3: Implementing Web Server and Web Site Security

This module explains how to secure an IIS 6.0 Web server and Web sites hosted on a Web server. The module also describes the various security techniques students can use for user authentication, authorization, and secure communications.

Lessons

- Configuring User Authentication and Authorization
- Encrypting Web Site Communications
- Reducing the Attack Surface of the Web Server

Lab : Implementing Web Server and Web Site Security

- Configuring User Authentication for a Web Site
- Encrypting Web Site Communications
- Configuring Authorization for a Web Site
- Reducing the Attack Surface of the Web Server

After completing this module, students will be able to:

- Configure user authentication and authorization for Web sites.
- Encrypt Web site communications by using SSL.
- Reduce the attack surface of the Web server.

Module 4: Creating Additional Web and FTP Sites

This module explains how to create additional Web sites and FTP sites. The module also explains how to create and manage virtual directories and various methods of hosting multiple Web sites on a single Web server.

Lessons

- Creating and Configuring an Additional Web Site
- Creating and Configuring FTP Sites
- Restricting Access to FTP Sites

Lab : Creating Additional Web Sites

- Creating and Configuring Additional Web Sites
- Creating and Configuring FTP Sites
- Restricting Access to FTP Sites

After completing this module, students will be able to:

- Create and configure an additional Web site.
- Create and configure FTP sites.
- Configure security for an FTP site.

Module 5: Administering the IIS Metabase

This module describes the IIS 6.0 metabase structure and explains how to manage the IIS 6.0 metabase. The module also explains how to perform backup and recovery of the metabase and how to export and import metabase files.

Lessons

- Managing the IIS Metabase
- Back Up and Restore IIS 6.0

Lab : Administering the Metabase

- Managing the Metabase
- Backing Up and Restoring the Metabase
- Importing and Exporting the Metabase



After completing this module, students will be able to:

- Manage the IIS Metabase.
- Backup and restore IIS 6.0.

Module 6: Managing Web Sites and Applications

This module describes the various server-side application infrastructures that IIS 6.0 supports, the requirements and security considerations for running these applications. The module also explains how to configure IIS 6.0 to support server-side applications, the benefits of application pools and the guidelines for configuring security, reliability, and performance for application pools.

Lessons

- Managing Server-Side Applications
- Managing Application Pools
- Managing Web Sites

Lab : Managing Web Sites and Applications

- Managing Server-Side Applications
- Managing Application Pools
- Managing Web Sites

After completing this module, students will be able to:

- Manage server-side applications.
- Manage application pools.
- Manage Web sites.

Module 7: Monitoring IIS 6.0 Performance and Security

This module provides an introduction to the IIS 6.0 logging functionality, and the IIS 6.0 log formats. The module also explains how to locate relevant event log data, IIS 6.0 tracing and the auditing of the metabase.

Lessons

- Collecting IIS 6.0 Performance and Security Data
- Analyzing Logs for Security and Performance

Lab : Monitoring IIS 6.0 Performance and Security

- Collecting Logs for Security and Performance
- Analyzing Logs for Security and Performance

After completing this module, students will be able to:

- Collect IIS 6.0 performance and security data.
- Analyze logs for security and performance.

Module 8: Migrating Web Sites and Applications from Earlier Versions of IIS

This module describes the concepts and procedures for migrating. The module also explains the differences between migrating and upgrading, how to run the IIS Migration Tool, the advantages and limitations of the tool, and the manual migration process.

Lessons

- Preparing a Web Server for Migration
- Manually Migrating Web Sites and Applications
- Migrating Web Sites and Applications by Using the IIS Migration Tool

Lab : Migrating Web Sites and Applications from Earlier Versions of IIS

- Migrating Web Sites and Applications from Earlier Versions of IIS to IIS 6.0

After completing this module, students will be able to:

- Prepare a Web server for migration.
- Manually migrate Web sites and applications.
- Migrate Web sites and applications by using the IIS Migration tool.