



## DATA SHEET

# IIS 7.5: Administration and Troubleshooting

This course provides Web administrators with an inside look into how IIS 7.5 works and the core components involved.

The **IIS 7.5: Administration and Troubleshooting** 4-day Workshop*PLUS* course provides students with the skills necessary to deploy, administer, and troubleshoot Internet Information Services 7.5. Students will also gain an understanding of the IIS architecture and how to manage security. The hands-on labs included will help the administrator to troubleshoot IIS using the built-in tools and to manage Web servers.

This workshop contains Level 300 content and assumes prior experience with IIS. Please review the target-audience information (on the next page) and contact your Microsoft Services representative to ensure that this workshop is appropriate to the student's experience and technical expertise.

## Workshop*PLUS* Benefits

**Incoming Assessment to baseline knowledge.** It is important for students to get feedback on how much they have learned during the Workshop*PLUS* course. To accomplish that end, the Incoming Assessment measures what students know at the beginning of the course. This 25-question assessment was developed by a team of subject matter experts at Microsoft.

**Outgoing Assessment to measure knowledge transfer.** Students like to know how much they learned as a result of the training. At the end of the Workshop*PLUS* course, students compare their Incoming and Outgoing results. In addition, the instructor reviews the questions and discusses the answers in detail to ensure that students understand the concepts. (Note: Individual results of the Incoming and Outgoing Assessment are not provided to management.)

**Action Planning Exercises to take workshop-acquired knowledge and apply it to the workplace.** Applying new knowledge to the real world is key to getting the most value out of your training budget. The purpose of the Action Planning Exercises is to identify key problems or proactive opportunities in your workplace — and then to use the skills learned in this course to develop real-world action plans.

## Technical Highlights

After completing this course, students will understand:

- The Component Based Servicing (CBS) infrastructure in Windows Server 2008 and how it relates to IIS setup.
- The new configuration system in IIS 7.5 and how it interacts with .NET.
- How the new architecture allows for easy extensibility through custom modules, and how existing add-on modules can be used.
- How to delegate administration of Web servers to non-administrators, and how to manage permissions for developers to push configuration information for their applications.
- How to use new troubleshooting tools included in IIS 7.5 that allow administrators to solve application and configuration problems faster.

## Target Audience

To ensure the high-quality knowledge transfer students expect from this 4-day workshop, class size is limited to a maximum of 16 students who meet the following criteria:

- At least 1 year of experience administering a previous version of IIS (preferably IIS 6.0).
- Experience with .NET application administration, and understanding of the .NET configuration system.
- Experience as escalation support staff (top-tier only).

## Syllabus

This workshop runs a FULL 4 days. Students should anticipate consistent start and end times for each day. Early departure on any day is not recommended.

**Incoming Assessment.** Students take a 25-question quiz that measures their baseline knowledge.

**Module 1: Windows 2008 Concepts.** Provides a high-level overview of key areas of Windows Server 2008 as they relate to IIS 7.5.

**Module 2: IIS 7.5 Deployment.** Covers multiple IIS 7.5 installation methods and options. Also covers tools available for upgrade and migration. Real-world scenarios are used to highlight deployment best practices.

**Module 3: IIS 7.5 Architecture.** Describes the internal architecture and core components of IIS 7.5. Students examine examples of how each component impacts IIS, and how to use this knowledge to maintain and improve the performance of Web servers.

**Module 4: Configuration Mechanism.** Describes the new IIS 7.x configuration system and how the various pieces interact. This module introduces the new IIS Manager for delegating features for non-administrators. The distributed configuration model is covered in detail here.

**Module 5: Security.** Covers security enhancements to IIS 7.5 that can be used to secure applications at levels more granular than previous versions allowed. The hands-on labs provide the administrators a chance to work with these security features to complete tasks such as configure request filtering, SSL, and `isapiCgiRestrictions`.

**Module 6: Supportability.** Describes the new troubleshooting tools in IIS 7.5 and how they can be used to diagnose and resolve issues in a timely manner.

**Module 7: Scenario Based Labs.** Presents key scenarios that students solve without detailed assistance from the instructor. Some of the real-world issues addressed in this module include addressing configuration errors, permission problems, and startup problems.

**Outgoing Assessment.** Students complete the quiz again and compare Incoming and Outgoing results to measure knowledge transfer.

**Action Planning Exercises.** Students develop Action Plans to improve real-world situations and/or implement proactive measures.

This workshop is just one of many available from Microsoft Services.

For more information, contact your Technical Account Manager or Services Representative.