Microsoft

IIS: Administration, Troubleshooting and Best Practices

Workshop*PLUS*

Target Audience:

This workshopPLUS is intended for IIS Administrators who have worked with prior versions of IIS and are interested in learning the latest features and capabilities of new versions of IIS.

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

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

Overview

The Internet Information Services (IIS): Administration, Troubleshooting and Best Practices workshop*PLUS* provides students with the skills necessary to administer and troubleshoot IIS 7.x, and IIS 8.0. Students will gain an understanding of the IIS architecture and how to manage security. The hands-on labs included will help the administrator to efficiently manage Web Servers and to troubleshoot IIS using varying types of troubleshooting tools.

This workshop*PLUS* contains Level 200-300 content and assumes some experience with IIS. Review the target-audience information and contact your Microsoft Services representative to ensure that this workshop*PLUS* is appropriate to the student's experience and technical expertise.

Technical Highlights
After completing this course, students will understand:
- The change in IIS architecture in IIS 7.x and IIS 8.0 and how it affects the inner working of IIS.
- The new configuration system in IIS 7.x and IIS 8.0 and various tools to interact with the configuration.
- The changes taken place is IIS 8.0 as compared to the previous versions of IIS.
- The ways to use the troubleshooting tools included in IIS 7.5 and various monitoring techniques used for IIS 8.0.
- The best practices on the use of IIS 7.x and IIS 8.0 Web Servers.

Syllabus

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

Module 1: Architecture. This module describes core components of IIS 7.x and IIS 8.0, and how they interact with each other. This module also includes an overview of setup options as well as the basic introduction to the IIS Manager User Interface.

Module 2: Administration. This module describes tools used for administration of IIS server and various configuration details featuring different capabilities IIS has achieved due to the improved configuration. This also covers shared configuration, remote administration, and backup options for IIS servers.

Module 3: Security. This module covers the security features present in IIS 7.x servers including various authentication methods and request filtering. It also describes the new features introduced in IIS 8.0 like Server Name Indication (SNI), Central Certificate Store (CCS), and Dynamic IP Restrictions.

Module 4: Troubleshooting. This module describes general troubleshooting steps and techniques, and introduces various troubleshooting tools available for IIS Administrators. It gives a brief introduction of System Center 2012 Operation Manager Monitoring Pack for IIS 8.0, which can be used for monitoring the health of the Web Servers.

Module 5: Best Practices. This module describes various best practices for maintaining IIS servers healthy, secure, and performance efficient. It also describes the best practices that help in the administration of the IIS servers.

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