

# Microsoft® Visual Basic® Scripting Edition and Microsoft Windows® Script Host Essentials

## Delivery Guide

Course Number: 2433A

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## About This Course

This section provides you with a brief description of the course, audience, suggested prerequisites, and course objectives.

### Description

This three-day instructor-led course provides students with the knowledge and experience to develop their own administrative scripts with Microsoft® Visual Basic® Scripting Edition (VBScript). The course focuses on writing scripts for commonly encountered administrative tasks. The course also expands upon these concepts so that they embrace more general programming issues.

### Audience

This course is intended for Microsoft Windows® 2000 systems administrators who want to learn how to develop administrative scripts for their enterprise networks.

In addition, anyone who wants an introduction to the VBScript programming language will benefit from this course.

### Student Prerequisites

This course requires that students meet the following prerequisites. The students must have:

- Practical experience using and administering Windows 2000.
- Practical experience using and administering Active Directory™ directory service.
- Practical experience using and administering system security.
- Practical experience using and administering services.
- Practical experience using systems management information.
- Awareness of the potential uses of logon scripts.

In addition, it is desirable that students have had some exposure to writing batch files.

### Course Objectives

After completing this course, students will be able to:

- Describe Windows Script Host (WSH) and associated scripting technologies.
- Use objects in code written in Visual Basic Scripting Edition.
- Master the essentials of the VBScript language.
- Master debugging and error handling with VBScript.
- Use VBScript to interact with Active Directory Services Interface (ADSI).
- Develop logon, logoff, startup, and shutdown scripts.
- Develop scripts that perform common administrative tasks.
- Identify ways to use VBScript in other scenarios.

## Course Timing

The following schedule is an estimate of the course timing. Your timing may vary.

### Day 1

Start	End	Module
9:00	9:30	Introduction
9:30	10:15	Module 1: Overview of Windows Scripting Technologies
10:15	11:00	Lab 1: Configuring and Using WSH
11:00	11:15	Break
11:15	12:45	Module 2: Working with Objects
12:45	1:45	Lunch
1:45	2:30	Lab 2: Working with Objects
2:30	3:00	Module 3: Script Logic
3:00	3:15	Break
3:15	3:45	Module 3: Script Logic ( <i>continued</i> )
3:45	4:15	Lab 3: Working with VBScript

### Day 2

Start	End	Module
9:00	9:30	Day 1 review
9:30	10:00	Module 4: Error Handling and Debugging
10:00	10:30	Lab 4: Debugging and Error Handling
10:30	10:45	Break
10:45	11:30	Module 5: Understanding ADSI
11:30	11:45	Lab 5.1: ADO Search
11:45	12:30	Module 5: Understanding ADSI ( <i>continued</i> )
12:30	1:30	Lunch
1:30	2:15	Lab 5.2: Scripting Administrative Tasks Using ADSI
2:15	2:45	Module 6: Creating Logon Scripts
2:45	3:00	Lab 6.1: Creating Logon Scripts
3:00	3:15	Break
3:15	3:45	Lab 6.1: Creating Logon Scripts ( <i>continued</i> )
3:45	4:00	Module 6: Creating Logon Scripts ( <i>continued</i> )

**Day 3**

<b>Start</b>	<b>End</b>	<b>Module</b>
9:00	9:30	Day 2 review
9:30	10:15	Lab 6.2: Assigning Logon Scripts
10:15	10:45	Module 7: Administrative Scripts
10:45	11:00	Break
11:00	11:30	Lab 7.1: Administrative Scripts
11:30	12:00	Module 7: Administrative Scripts ( <i>continued</i> )
12:00	1:00	Lunch
1:00	1:30	Lab 7.2: Working with the FileSystemObject
1:30	2:00	Module 8: Beyond the Basics
2:00	2:15	Break
2:15	2:45	Module 8: Beyond the Basics ( <i>continued</i> )

## Trainer Materials Compact Disc Contents

The Trainer Materials compact disc contains the following files and folders:

- *Autorun.exe*. When the CD is inserted into the CD-ROM drive, or when you double-click the autorun.exe file, this file opens the CD and allows you to browse the Student Materials or Trainer Materials CD, or install Internet Explorer.
- *Default.htm*. This file opens the Trainer Materials Web page.
- *Readme.txt*. This file contains a description of the compact disc contents and setup instructions in ASCII format (non-Microsoft Word document).
- *2433A\_ms.doc*. This file is the Manual Classroom Setup Guide. It contains the steps for manually installing the classroom computers.
- *Errorlog*. This folder contains a template that is used to record any errors and corrections that you find in the course.
- *Fonts*. This folder contains fonts that are required to view the Microsoft PowerPoint® presentation and Web-based materials.
- *Menu*. This folder contains elements for autorun.exe.
- *Mplayer*. This folder contains files that are required to install Microsoft Windows Media™ Player.
- *Powerpnt*. This folder contains the PowerPoint slides that are used in this course.
- *Pptview*. This folder contains the PowerPoint Viewer, which is used to display the PowerPoint slides.
- *Setup*. This folder contains the files used to set up the instructor and the student computers.
- *Studentcd*. This folder contains the Web page that provides students with links to resources pertaining to this course, including additional reading, review and lab answers, lab files, multimedia presentations, and course-related Web sites.
- *Webfiles*. This folder contains the files that are required to view the course Web page. To open the Web page, open Windows Explorer, and in the root directory of the compact disc, double-click **Default.htm** or **Autorun.exe**.

## Student Materials Compact Disc Contents

The Student Materials compact disc contains the following files and folders:

- *Autorun.exe*. When the CD is inserted into the CD-ROM drive, or when you double-click the autorun.exe file, this file opens the CD and allows you to browse the Student Materials CD or install Internet Explorer.
- *Default.htm*. This file opens the Student Materials Web page. It provides you with resources pertaining to this course, including additional reading, review and lab answers, lab files, multimedia presentations, and course-related Web sites.
- *Readme.txt*. This file contains a description of the compact disc contents and setup instructions in ASCII format (non-Microsoft Word document).
- *2433A\_ms.doc*. This file is the Manual Classroom Setup Guide. It contains the steps for manually installing the classroom computers.
- *Democode*. This folder contains demonstration code. If there is no demonstration code, the Democode folder does not appear.
- *Fonts*. This folder contains fonts that are required to view the Microsoft PowerPoint presentation and Web-based materials.
- *Ie5*. This folder contains Microsoft Internet Explorer 5.5.
- *Labs*. This folder contains files that are used in the hands-on labs. These files may be used to prepare the student computers for the hands-on labs.
- *Menu*. This folder contains elements for autorun.exe.
- *Mplayer*. This folder contains files that are required to install Microsoft Windows Media™ Player.
- *Practices*. This folder contains files that are used in the hands-on practices. If there are no practices, the Practices folder does not appear.
- *PrimalSCRIPT*. This folder contains files that are required to install PrimalSCRIPT.
- *Setup*. This folder contains additional files that may be required for lab setup. If no additional files are required, the Setup folder does not appear.
- *Webfiles*. This folder contains the files that are required to view the Student Materials Web page.
- *Wordview*. This folder contains the Word Viewer that is used to view any Word document (.doc) files that are included on the compact disc.

## Document Conventions

The following conventions are used in course materials to distinguish elements of the text.

Convention	Use
◆	Indicates an introductory page. This symbol appears next to a topic heading when additional information on the topic is covered on the page or pages that follow it.
<b>bold</b>	Represents commands, command options, and syntax that must be typed exactly as shown. It also indicates commands on menus and buttons, dialog box titles and options, and icon and menu names.
<i>italic</i>	In syntax statements or descriptive text, indicates argument names or placeholders for variable information. Italic is also used for introducing new terms, for book titles, and for emphasis in the text.
Title Capitals	Indicate domain names, user names, computer names, directory names, and folder and file names, except when specifically referring to case-sensitive names. Unless otherwise indicated, you can use lowercase letters when you type a directory name or file name in a dialog box or at a command prompt.
ALL CAPITALS	Indicate the names of keys, key sequences, and key combinations—for example, ALT+SPACEBAR.
monospace	Represents code samples or examples of screen text.
[ ]	In syntax statements, enclose optional items. For example, <i>[filename]</i> in command syntax indicates that you can choose to type a file name with the command. Type only the information within the brackets, not the brackets themselves.
{ }	In syntax statements, enclose required items. Type only the information within the braces, not the braces themselves.
	In syntax statements, separates an either/or choice.
▶	Indicates a procedure with sequential steps.
...	In syntax statements, specifies that the preceding item may be repeated.
.	Represents an omitted portion of a code sample.
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