
Microsoft Visual Basic Scripting Edition and Windows Script Host Essentials

Duration: 3 Days **Course Code: M2433** **Version: B**

Overview:

This instructor-led course provides students with the knowledge and skills to manage Windows networks by using the Windows Script Host (WSH) and the Microsoft Visual Basic, Scripting Edition (VBScript) language. During the course, students will work on real-world scripts that they can use to manage computers running Windows Vista, Windows XP, and Windows Server 2003 operating systems. This course also provides an overview of other technologies where students can use script, such as Active Directory Service Interfaces (ADSI) and Windows Management Instrumentation (WMI).

Target Audience:

This course is intended for systems administrators who use Windows-based computers and must learn how to develop administrative scripts for their enterprise networks.

Objectives:

- At the end of this course delegates will be able to:
 - Run and work with scripts, including writing, debugging, and troubleshooting.
 - Write scripts that access objects and use an object browser.
 - Use Visual Basic, Scripting Edition to create effective and efficient administrative scripts.
 - Create error-handling routines and use a debugger to locate and fix logic problems in scripts.
 - Use Visual Basic, Scripting Edition to interact with ADSI.
 - Call logon scripts from batch files, perform common tasks using logon scripts, and assign logon scripts to users.
 - Use scheduling in scripts, send e-mails, manage the registry, and work with drives, folders, and files using scripts.
 - Write scripts that gather information and automate common management tasks by using WMI.
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Prerequisites:

Delegates are required to meet the following prerequisites:

- Practical experience using and administering Windows 2000.
- Practical experience using and administering the 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.

Testing and Certification

Recommended as preparation for exam(s):

- There is no Microsoft Certified Professional exam associated with this course.
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Content:

Overview of Windows Scripting Technologies

- Introduction to WSH
- Running Scripts
- Working with Scripts
- Comparing VBScript and Visual Basic

Working with Objects

- Object Terminology
- Creating and Using Objects
- Understanding Object Models
- Common Object Models

Script Logic

- Fundamental VBScript Rules
- Variables, Constants, and Data Types
- Operators
- Conditions and Loops
- Procedures
- Script Layout

Error Handling and Debugging

- Error Handling
- Debugging

Understanding ADSI

- ADSI Overview
- Binding with ADSI
- ADSI Objects
- Searching Active Directory
- Creating New ADSI Objects
- Setting Security in Active Directory
- Managing Shares with ADSI
- Controlling Services Using ADSI

- Verifying the WSH Environment
- Common Logon Script Tasks
- Managing Logon Scripts
- Troubleshooting Logon Scripts
- Best Practices

Administrative Script

- Script Arguments
- Working with Event Logs
- Generating E-Mail Messages
- Managing the Registry
- Working with Drives, Folders, and Files
- Setting Folder-Level and File-Level Security
- Scheduling Scripts
- Best Practices

Beyond the Basics

- Windows Script Files
- Using COM Components
- WMI
- Scripting Microsoft Office
- ASP Pages

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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