Microsoft Visual Basic Scripting Edition and Microsoft Windows Script Host Essentials

Course Summary

Description

The goal of this course is to teach Microsoft Windows 2000 operating system administrators how to take advantage of Windows Script Host (WSH) by using the Microsoft Visual Basic Scripting Edition (VBScript) language. They will be able to develop real world scripts that they can use to manage Windows 2000 networks. This course also provides an overview of other technologies where you can use script, such as Active Server Pages (ASP), Windows Management Instrumentation (WMI), and third-party Component Object Model (COM) components

Objectives

At the end of this course, students will be able to:

- Describe 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 how they can continue to use VBScript in other scenarios

Topics

- Overview of Windows Scripting Technologies
- Working with Objects
- Script Logic
- Error Handling and Debugging
- Understanding ADSI
- Creating Logon Scripts
- Administrative Script
- Beyond the Basics

Audience

This course is intended for Windows 2000 systems administrators who need to learn how to develop administrative scripts for their enterprise networks. In addition, this course benefits anyone who wants an introduction to the VBScript programming language.

Prerequisites

Students should have practical experience using and administering Windows 2000, administering the Active Directory service and administering system security, administering services, systems management information and have awareness of the potential uses of logon scripts.

Duration

Three days

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Course Outline

I. Overview of Windows Scripting Technologies
- A. Introduction to WSH
- B. Running Scripts
- C. Working with Scripts
- D. Comparing VBScript and Visual Basic

II. Working with Objects
- A. Object Terminology
- B. Creating and Using Objects
- C. Understanding Object Models
- D. Common Object Models

III. Script Logic
- A. Fundamental VBScript Rules
- B. Variables, Constants, and Data Types
- C. Operators
- D. Conditions and Loops
- E. Procedures
- F. Script Layout

IV. Error Handling and Debugging
- A. Error Handling
- B. Debugging

V. Understanding ADSI
- A. ADSI Overview
- B. Binding with ADSI
- C. ADSI Objects
- D. Searching Active Directory
- E. Creating New ADSI Objects
- F. Setting Security in Active Directory
- G. Managing Shares with ADSI
- H. Controlling Services Using ADSI
- I. ADSI Resources

VI. Creating Logon Scripts
- A. Verifying the WSH Environment
- B. Common Logon Script Tasks
- C. Managing Logon Scripts
- D. Troubleshooting Logon Scripts
- E. Best Practices

VII. Administrative Script
- A. Script Arguments
- B. Working with Event Logs
- C. Generating E-Mail Messages
- D. Managing the Registry
- E. Working with Drives, Folders, and Files
- F. Setting Folder-Level and File-Level Security
- G. Scheduling Scripts
- H. Best Practices

VIII. Beyond the Basics
- A. Windows Script Files
- B. Using COM Components
- C. WMI
- D. Scripting Microsoft Office
- E. ASP Pages

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