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YOUR COURSE, YOUR WAY - MORE EFFECTIVE IT TRAINING

Microsoft Window's Scripting

Duration: 5 days

Overview:

Aspect Training's Microsoft Window's Scripting Introduction/Intermediate course provides the knowledge on on how to write system administration scripts.

This practical learning course teaches how to use scripting techniques to gain control over your Microsoft Windows, Microsoft Internet Information Services (IIS), and Microsoft Exchange Server environmentsâ€”all at your own pace.

Build practical skills on everything from writing your first script in Microsoft Visual Basic® Scripting Edition (VBScript) to working with Windows Scripting Host (WSH), Windows Management Instrumentation (WMI), and Active Directory® Services Interface (ADSI), and from creating logon scripts to automating the management of systems, user accounts, files, printers, the registry, network services, directory services, security features, group policy, and more.

Prerequisites:

Previous programming experience would be useful but is not essential

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Topics:

1 - Running Your First Script

Option Explicit

On Error Resume Next

Dim

Enhancing Your Script

Docs That Make House Calls

Modifying an Existing Script

2 - Adding Power to Scripts

For Each...Next

Defining Constants

Constants vs. Variables

Shared Benefits of Constants and Variables

Collections

For...Next

Do While...Loop

Do Until...Loop

3 - Adding Intelligence

If...Then

Intrinsic Constants

If...Then...ElseIf

If...Then...Else

Select Case

4 - Passing Arguments

Command-Line Arguments

Making the Change

Running from the Command Prompt

No Arguments?

Creating a Useful Error Message

Using Multiple Arguments

Reasons for Named Arguments

Making the Change to Named Arguments

Running a Script with Named Arguments

5 - Working with Arrays

Moving Past Lame Arrays

What Does UBound Mean?

Two-Dimensional Arrays

Mechanics of Two-Dimensional Arrays

Using the For...Next Construction

Assigning Values to Each Element

6 - Strings and Arrays

Parsing Passed Text into an Array

Parsing Passed Text

Working with Dictionaries

Using the Dictionary

Compare Mode

Adding Items to the Dictionary

7 - Working with the File System

Creating File System Object

File It Under Files

File Properties

File Attributes

Implementing the Attributes Property

Setting File Attributes

Writing to a Text File

Overwriting a File

Existential File Approaches

8 - Working with Folders

Creating the Basic Folder

Automatic Cleanup

Deleting a Folder

Deleting Multiple Folders

Binding to Folders

Does the Folder Exist?

Copying Folders

Moving On Up

9 - What Is WMI?

An Object in Any Other Namespace...

More Than Just a Name

Providers

Adding a Touch of Class

Querying WMI

10 - WMI Continued

Alternate Ways of Configuring the WMI Moniker

Accepting Defaults

Working with Multivalue Properties

Moniker Security Settings

WbemPrivilege Has Its Privileges

11 - Using WMI Queries

Selective Data from All Instances

Selecting Multiple Properties

Specifying Specifics

Smooth Operator

Where Is the Where Clause?

12 - Introduction to Active Directory Service Interfaces

Working with ADSI

ADSI Providers

LDAP Names

IADsContainer

Binding

Creating Users

13 - Reading and Writing for ADSI

Working with Users

General User Information

Creating the Second Page

Staying Put

Deleting Users

14 - Searching Active Directory

Connecting to Active Directory to Perform a Search

Creating More Effective Queries

Searching for Specific Types of Objects

What is Global Catalog?

15 - Configuring Networking Components

WMI and the Network

Making the Connection

Changing the TCP/IP Settings

Merging WMI and ADSI

Win32_NetworkAdapterConfiguration

15. Subs and Other Round Things

Working with Subroutines

Calling the Subroutine

Creating the Subroutine

Creating Users and Logging Results

16 - Logon Scripts

Working with IADsADSystemInfo

Using Logon Scripts

Deploying Logon Scripts

Using the WshNetwork Class

Using the Join Function

17 - Working with the Registry

First You Back Up

Creating the WshShell Object

Setting the comspec Variable

Defining the Command Line

Connecting to the Registry

Unleashing StdRegProv

Creating Registry Keys

Writing to the Registry

Deleting Registry Information

18 - Working with Printers

Working with Win32_Printer

Obtaining the Status of Printers

Creating a Filtered Print Monitor

Monitoring Print Queues

19 - Managing IIS 6.0

What's in a Name?

CIM_ManagedSystemElement

CIM_Setting

IIsStructuredDataClass

CIM_Component

CIM_ElementSetting

Using MicrosoftIISv2

Making the Connection

Creating a Website

20 - Working with Exchange

Working with the Exchange Provider

Connecting to MicrosoftExchangeV2

The Exchange_QueueSMTPVirtualServer Class

Exchange Public Folders

Exchange_FolderTree

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