

INTENDED AUDIENCE

- Software testers interested in automating test processes using Microsoft Visual Basic Scripting Edition.

DURATION: 2 DAYS

PREREQUISITES

Students taking this course should have:

- Working knowledge of Windows
- Basic understanding of the testing process
- Basic understanding of programmatic concepts

COURSE OVERVIEW

Visual Basic Scripting Edition (VB Script) has long been the domain of Windows system administrators and web developers. With the introduction of automated testing tools like HP QuickTest Professional®, VB Script was harnessed to automate the software testing process.

This course is designed for software testers interested in applying the full power of VB Script to their testing activities. The fundamentals and advanced techniques of VB Script will be covered. The training is non-tool specific but all code created can be pasted directly into VB Script based testing tools such as HP QuickTest Professional®.

Students will learn to apply VB Script in ways not covered in vendor specific tool trainings. Each lesson is supported by hands on exercises with practical application of the concepts covered and a compact disc containing code samples is included. Both testers who currently use automated tools and those who do not will find benefit in this training.

COURSE OBJECTIVES

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

- Create and execute VB Script automation utilizing only a text editor
- Use VB Script to create and read from text files and automate the Windows file system
- Parse and create XML files using the VB Script MSXML object
- Perform database queries and tasks using Active X Data Objects (ADO)
- Create an interactive GUI front end for your VB Script using HTA
- Modify the Windows Registry using VB Script
- Automate Microsoft Office tools such as MS Word, Excel and PowerPoint using VB Script
- Create drag and drop scriptlets
- Utilize VB Script to run applications and perform command line tasks with the Windows Scripting Host
- Automate tasks such as FTP, Internet Explorer settings and Microsoft Exchange e-mail
- Create scripts that run based on Windows Events

DAY 1

Introduction to VB Script

- Introduction to the VB Script Language
- Overview of VB Script coding conventions
- Introduction to coding tools

The File System Object

- Creating and manipulating directories using FSO
- Writing to text files
- Reading from text files

VB Script and XML

- Creating XML files and nodes using MSXML
- Reading from XML files using the Document Object Model

Working with Databases (ADO)

- Connecting to and querying databases using Active X Data Objects
- Advanced ADO techniques

Creating Scriptlets

- Creating scriptlets in VB Script

Windows Scripting Host (WSH)

- Launching applications and files using WSH
- Additional uses of WSH

DAY 2

Creating Interactive GUIs

- Introduction to HTML Applications (HTA)
- Creating an HTA for your VB Script

Automating Office

- Automating MS Excel using VB Script
- Automating MS Word using VB Script
- Automating MS PowerPoint using VB Script

Monitoring Windows Events

- Monitoring events using VB Script
- Creating event based scripts

E-mail, FTP and IE

- Sending E-mail using VB Script
- Transferring files via FTP with VB Script
- Configuring Internet Explorer with VB Script

The Desktop and VB Script

- VB Script and Windows Management Instrumentation

Summary

- Summarize key training concepts