



CT - QTP - 102 Scripting QTP Advanced	
Overview	<p>This core course provides an advanced comprehensive using the language programming interface used by QuickTest; VBScript.</p> <p>Intermediate and advanced users will learn a wide array of different modern techniques and advanced coding using the world of automation COM via VBScript.</p> <p>You will learn all about the file system using FSO, WMI and Shell32 and WSH.</p> <p>You will learn how to work-around the VBScript limitations with advanced use of the Dictionary object and how to include reserved objects with QuickTest.</p> <p>You will learn how to master your data using regular expressions, ADO and XML.</p> <p>You will learn how to use .NET classes available for VBScript. and finally the QuickTest Automation Object Model.</p> <p>By learning how to use the QuickTest Object Model you will be able to manipulate QuickTest from external applications and VBScript.</p> <p>You will be able to create your own testing engine and implement your preferred configurations within your organization needs.</p> <p>Note: All topics are supported by hands-on exercises based on real-life examples.</p>
Duration	3 days
Also Recommended	Mastering QTP CT - QTP - 103 and XML Data Suite CT - QTP - 400
Intended Audience	Intermediate or advanced users of QTP who need to improve the knowledge on advanced VBScript language and need to use advanced techniques for testing.
Professional Prerequisites	First Steps Windows CT-QTP- 100 Or First Steps Web CT -QTP-200 Scripting QTP - Basic CT-QTP-101 Or Basic VBScript Knowledge
Technical Prerequisites	Valid QTP license and Internet access. Visual Studio 93 and above(for write own dll's)
Career Track Relevancy	QTP Java Programmer; QTP Web Programmer; QTP .NET/.NET Web Programmer; QTP SAP/SAP Web Programmer; QTP TE Programmer



Topics

✓ Introduction to OOP

- The OOP Model
- The Object Model
- Introduction to COM
- Using COM Objects

✓ Working with the File System

- The FileSystemObject (FSO) Object
- FSO Object Model
- FSO Objects
- Working with Disk Drives

✓ Managing Folders

- Binding Folders
- Creating a Folder
- Deleting a Folder
- Copying a Folder and Its Contents
- Moving a Folder and Its Contents
- Folder Properties
- Managing Folder Attributes
- Enumerating Files and Sub-Folders

✓ Managing Files

- Binding to a File
- Deleting a File
- Copying a File
- Moving a File
- Rename a File
- File Properties



- Managing File Attributes

- Parsing File Paths

- ✓ Reading and Writing Text Files

- Binding to a File

- Opening Text Files

- Closing Text Files

- Reading Text Files

- Write to Text Files

- ✓ Dictionary Object

- Configure Dictionary Properties

- Adding Keys to a Dictionary

- Manipulating Keys and Items in a Dictionary

- Sharing Values Using dictionary Object

- Use Dictionary Object for Generic Functions

- ✓ Mastering Regular Expressions

- About Regular Expressions

- Patterns

- Matches Collection and Match Object

- SubMatches object

- Useful Regular Expressions

- ✓ Windows Script Host

- WSH Objects and Services

- The WSH Object Model

- Managing Network Drives

- Managing Network Printers

- WSH Network Object

- ✓ WSH Shell Object



- Working with Shortcuts
- Working with Special Folders
- Working with Environment Variables
- Reading From and Writing to the Local Registry
- Sending Keystrokes to a Program
- Running Programs

✓ ActiveX Data Objects

- ADODB Object Model
- Connecting to a Data Source
- Creating a New DSN
- Connecting to a Database
- ADO Cursors and Lock Types
- Retrieving Data

✓ MSXML Parser

- About XML
- XML Documents
- The XML Elements and Attributes
- Using the MSXML Parser
- Loading XML Documents
- Handling XML Errors
- Accessing Document Information

✓ Windows Management Instrumentation

- Scripting with WMI
- WMI Administrative Tools
- Using WMI
- WMI Files and Folders
- WMI Tasks



✓ VBScript Classes

- Class Object
- Class Construct
- Class Variables
- Class Properties
- Class Methods
- Class Events
- Introduction to Windows Script Components

✓ Scripting QTP

- Internationalization
- Disconnected Recordset
- Generating GUID's
- Accessing to the .NET Framework
- Keep QuickTest from Hanging
- Working with Shell Application