Unified Functional Testing One (UFT One) Advanced (UFTOA)

ID UFTOA **Price** on request **Duration** 2 days

Who should attend

Application testers and QA Engineers

Prerequisites

To be successful in this course, you should have the following prerequisites or knowledge:

- Experience working with UFT One for six months or more
- Basic penetration tester skills
- Ability to read HTTPS requests and responses
- Basic understanding of web technologies and computer desktop, browser, and file system navigation skills

Course Objectives

On completion of this course, participants should be able to:

- Explain the advantages of UFT One as a testing tool.
- Explain the advanced Editor functionality.
- Use VBScript.
- Work with objects, dynamic data, and dynamic objects.
- Retrieve external data.
- Handle GUI testing exceptions.
- Create new procedures.
- Use the Test Combination Generator tool to generate test data.
- Integrate UFT One with ALM QC and ALM Octane.

Course Content

Chapter 1: Course Overview

- Identify the contents and objectives of the course.
- Define the class logistics.
- Discuss the lab environment details.

Chapter 2: Software Overview

- Describe the advantages of UFT One as a testing tool.
- Preview the UFT One Start Page and Help menus.
- Recognize the sample applications used in the labs.
- Identify resources for getting assistance.

Chapter 3: Advanced Editor Features

- Review the UFT Editor basic functionality.
- Use the Step Generator to create new steps in your test.
- Enter steps manually in the Editor.
- Use statement completion.
- Trace and debug tests.
- Use the Test Batch Runner.

Chapter 4: Using VBScript

- Create constants and variables to hold important values.
- Format steps and create comments for clarity.
- Use operators to modify or compare values.
- Build conditional statements.
- Call built-in functions from the VBScript function library.

Chapter 5: Working with Object Properties

- Retrieve any property of any object in the application during a test run.
- Retrieve and set properties in the object repository.
- Use additional properties of the Reporter utility object.

Chapter 6: Working with Dynamic Data

- Retrieve useful properties from list-type objects.
- Describe the VBScript looping statements.
- Use additional methods to explore the Data Table.

Chapter 7: Working with Dynamic Objects

- Identify types of dynamic objects.
- Manage the dynamic properties of objects in the object repository.
- Build a programmatic description for an object.
- Create and use a Description object.
- Retrieve a collection of child objects from a parent object.

Chapter 8: Retrieving External Data

- Build scripts that access data from external sources.
- Import data from and export data to a Microsoft Excel worksheet.
- Perform DataTable operations.

- Use the Connection and RecordSet objects to query a database.
- Import and export data to text files.

Chapter 9: Handling GUI Testing Exceptions

- Describe exceptions in a test.
- Describe how to handle exceptions with the test settings.
- Describe how to handle exceptions with Recovery Scenarios.
- Handle exceptions programmatically with VBScript.
- Handle positive and negative test data.

Chapter 10: Creating New Procedures

- Identify the advantages of creating a procedure in a test.
- Create new subroutines and functions.
- Build a function library and associate it with a test.
- Register a procedure with an object class.
- Use a function as a recovery operation in a recovery scenario.

Chapter 11: Combination Generation and Parallel Execution

- Use the Test Combination Generator tool to generate test data.
- Use the Parallel Runner tool to configure and run tests.
- Use the command line to run tests using the Parallel Runner.

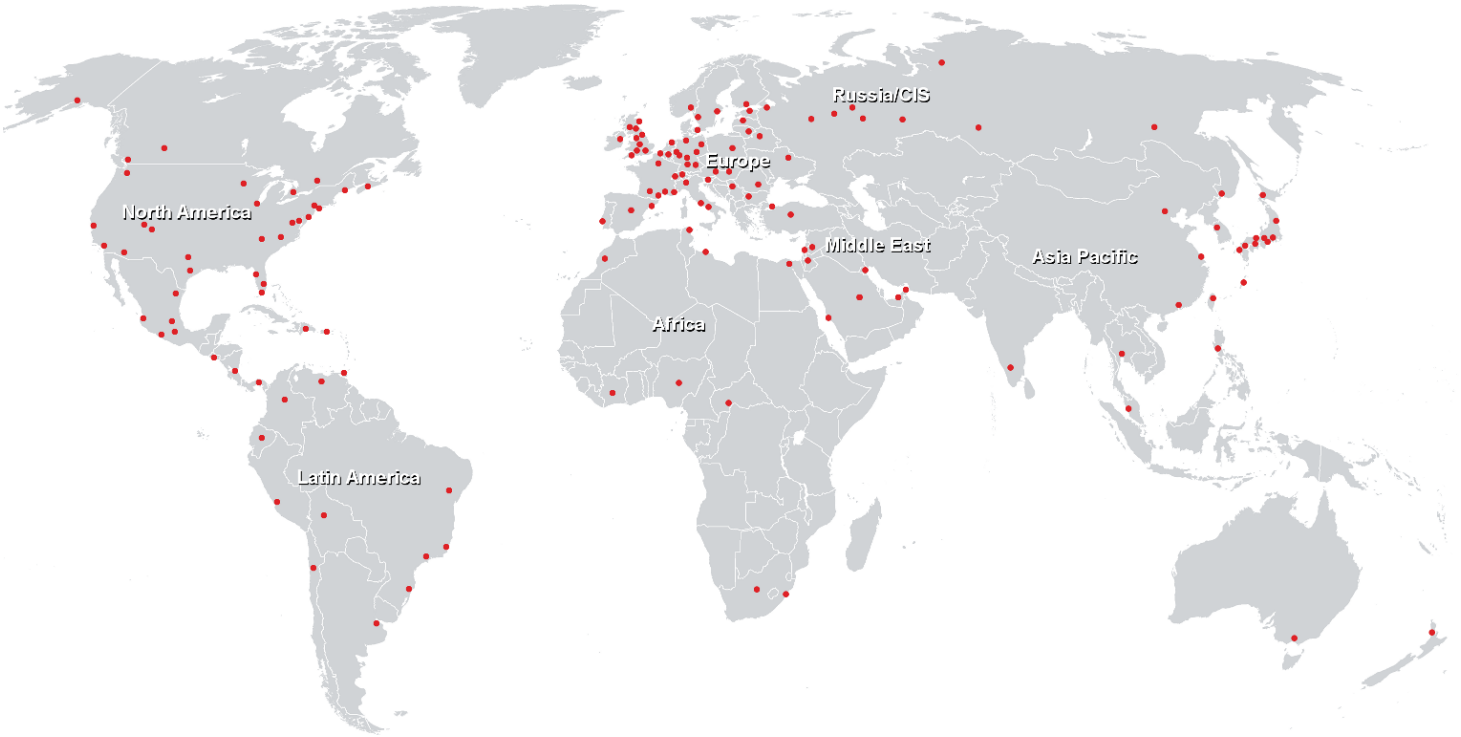
Appendix A: Integrating UFT One with ALM QC

- Integrate UFT One with the Application Lifecycle Management Quality Center (ALM QC) software.
- Connect to the ALM QC server from UFT One.
- Execute UFT One Tests from ALM QC.

Appendix B: Integrating UFT One with ALM Octane

- Generate Jenkins CI credentials.
- Configure the UFT One – ALM Octane integration.
- Run a UFT One test suite from ALM Octane.

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