

DevTest Solutions 10 Foundations 200

Course Code: 88ADO20391

Course Description

The DevTest Solutions 10: Foundations 200 course teaches students the foundational concepts common across the DevTest Solutions products: CA Service Virtualization and CA Application Test. Instruction is a combination of lecture and hands-on exercises in a virtual DevTest Solutions environment designed to give students the experience of using DevTest Solutions in realistic scenarios. The course is instructor-led and can be delivered virtually or in a classroom setting. This course is also required to attend all other DevTest Solutions courses.

Delivery Method

Instructor-Led

Duration

One Day

Course Objectives

By the completion of this course, you will be able to:

- Identify and access DevTest Solutions development and deployment components in a typical distributed DevTest Solutions installation
- Identify the role and differences between DevTest Workstation and DevTest Portal
- Create and manage projects in DevTest Workstation and DevTest Portal
- Configure data sets, filters, assertions, log messages and documentation
- Execute workflow models in the Interactive Test Run (ITR) tool
- Configure properties in place of hardcoding data
- Use config files to set properties for communicating with the system under test
- Use MAR files to share files and import files into DevTest Workstation and DevTest Portal

Hands-On

This course includes practical hands-on exercises that enable you to test your new skills and begin to use those skills in a working environment.

Prerequisites

- General understanding of the software development lifecycle
- Familiarity with manual and automated testing processes
- General understanding of web services

Additional Courses Available

- Application Test 10 Foundations 200
- Service Virtualization 10 Foundations 200

Course Outline

Module 1: Identify DevTest Solutions Products and Components

- Define the role of the DevTest Solutions products:
 - Service Virtualization
 - Application Test
 - Continuous Application Insight
- Define the role of the DevTest Solutions server components and development/management tools, dashboards, and consoles
- Start and log in to DevTest Workstation and DevTest Portal

Module 2: Access Lisa Bank and Forward Cars Applications

- Describe the role of the two demonstration applications:
 - Lisa Bank
 - Forward Cars
- Start both applications
- Access and log into both applications
- Shutdown both applications

Module 3: Create and Manage Projects

- Create and manage projects with DevTest Workstation
- Create and manage a projects with DevTest Portal
- Describe the role and location of default demonstration projects associated with the demonstration applications

Module 4: Invoke and Verify with Workflow Models and Elements

- Describe the invoke and verify process
- Describe workflow model and elements roles

Module 5: Create a Test Case

- Create a basic test case
- Add a step
- Execute a step in the step type editor

Module 6: Execute a Model with the ITR

- Execute with the Interactive Test Run (ITR) tool
- Manage ITR instances

Module 7: Configure Properties

- Define the role of properties in DevTest Solutions
- Use properties, property expressions, and string patterns

Module 8: Configure Elements

- Add and configure workflow model and step elements at a foundational level
- Use properties, property expressions and string patterns

Module 9: Configure Project Configurations Files

- Describe the role of a configuration (config) file
- Create an alternate config file
- Define properties in a config file

Module 10: Create MAR Files

- Describe the role of Model Archive (MAR) files
- Describe the types and contents of MAR files

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