

CA Application Test 10: Foundations 200 Dynamic Lab



Course Overview

The *CA Application Test 10: Foundations 200 Dynamic Lab* course teaches students the foundational concepts and processes needed to begin using CA Application Test. Instruction uses test cases designed to use properties, filters, assertions, data sets, and subprocesses to invoke and verify results from a system under test.

Course instruction is web-based and consists of 6 hours of SELF-DIRECTED learning including lab activities.

PRODUCT RELEASE

DevTest Solutions 10

COURSE TYPE, LENGTH & CODE

- Dynamic Lab
- Six (6) Hours
- 88APP2003S

PREREQUISITES

- DevTest Solutions 10:
Foundations 200 Dynamic Lab;
Course Code 88SVV2030S;
Three and a Half (3.5) Hours

WHO SHOULD ATTEND

- Application Developer
- Application Analyst/Architect
- Quality Assurance Engineer
- Business Analyst

What You Will Learn

- Identify test case creation methods in DevTest Workstation and DevTest Portal
- Create and configure a test case workflow model
- Configure properties for use in a test case
- Configure workflow step actions, data sets, filters, assertions, log messages, documentation, and subprocess in a test case
- Create staging and suite documents used to define how test cases execute against a system under test
- Stage and execute test cases and monitor the results in DevTest Workstation and DevTest Portal
- View test execution results in the Reporting Dashboard in the DevTest Portal
- Troubleshoot test cases

For Managers

CA Application Test uses codeless test case authoring to create and invoke automated test cases against every layer of a composite application, eliminating manual labor, and reducing defects through the reuse of test assets across multiple heterogeneous technologies. The *CA Application Test 10: Foundations 200 Dynamic Lab* course will benefit all members of an application delivery organization who use CA Application Test.

**RECOMMENDED
NEXT COURSES**

- CA Service Virtualization 10: Foundations 200 Dynamic Lab; Course Code 88SVV2031S; Six and a Half (6.5) Hours

Course Agenda

<p>Module 1 – Create a Test Case</p> <ul style="list-style-type: none"> ▪ Create a basic webservices test case in DevTest Workstation ▪ Add a step ▪ Execute a step in the step type editor ▪ Create an API test case in DevTest Portal 	<p>Module 2 – Configure Properties</p> <ul style="list-style-type: none"> ▪ Describe in detail where properties are set and in what order ▪ Describe where to find property values during test case design and execution ▪ Describe common properties used in test case models ▪ Describe test steps specific to properties
<p>Module 3 – Design Workflows with Filters, Assertions, and Different Step Types</p> <ul style="list-style-type: none"> ▪ Create filters and assertions from a step response ▪ Use different step types to invoke different layers within a system under test ▪ Execute steps and elements properly at design time ▪ Create looping and branching using step and assertion configurations ▪ Compare XML or text values using the Graphical Text Diff tool 	<p>Module 4 – Create and Invoke a Subprocess</p> <ul style="list-style-type: none"> ▪ Describe the role of a subprocess ▪ Create a subprocess from scratch or from an existing test case ▪ Configure subprocess input and output parameters ▪ Invoke a subprocess within a test case
<p>Module 5 – Stage and Execute a Test Case</p> <ul style="list-style-type: none"> ▪ Describe how CA Application Test uses multiple instances of Coordinator and Simulator servers to execute test cases ▪ Create and configure a staging document ▪ Stage and execute a test case with DevTest Workstation and DevTest Portal and monitor the results 	<p>Module 6 – Stage and Execute a Test Suite</p> <ul style="list-style-type: none"> ▪ Create and configure a suite document ▪ Execute a suite of tests with DevTest Workstation and DevTest Portal and monitor the results



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Course Agenda (cont'd)

Module 7 – Configure Data Sets

- Configure common data sets
- Create global, local, and random data sets and describe how they distribute data
- Create a looping test case using data sets

Module 8 – View and Export Reports

- Access and navigate the Reporting Dashboard and in the DevTest Portal
- Export and share reports

Module 9 – Troubleshoot Test Cases

- Describe common test case errors and potential causes
- Locate tools used to troubleshoot test case errors



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