

CA Service Virtualization 10: Foundations 200 Dynamic Lab



Course Overview

The *CA Service Virtualization 10: Foundations 200 Dynamic Lab* course teaches students the foundational concepts needed to record, edit, and deploy virtual services using CA Service Virtualization. Instruction teaches the concepts using webservice virtualization with a live service, and when the service is unavailable. Course instruction is web-based and consists of 6.5 hours of SELF-DIRECTED learning including lab activities.

PRODUCT RELEASE

DevTest Solutions 10

COURSE TYPE, LENGTH & CODE

- Dynamic Lab
- Six and a Half (6.5) Hours
- 88SVV2031S

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

- Create a webservice virtual service by recording live transactions using DevTest Workstation and DevTest Portal
- Create a virtual service by importing raw transaction files and using request and response pair files
- Create a virtual service by importing specification files
- Identify stateless and conversational virtual services
- Identify how a virtual service matches the correct response to an incoming request
- Deploy and manage the model behavior of a virtual service
- Identify the role of each step in a virtual service model, and how to execute the model in the Interactive Test Run (ITR) for verification before deployment
- Edit virtual service response data in DevTest Workstation and DevTest Portal
- Troubleshoot virtual services

For Managers

CA Service Virtualization removes system dependency constraints allowing developers, testers, and quality assurance teams to work in parallel with more reliable outcomes so they can deliver software faster, with lower risk, fewer defects in production, and lower costs.

The *CA Service Virtualization 10: Foundations 200 Dynamic Lab* course will benefit all members of an application delivery organization who use CA Service Virtualization to create and deploy virtual services to stand in for live services.

**RECOMMENDED
NEXT COURSES**

- CA Application Test 10: Foundations 200 Dynamic Lab; Course Code 88APP2003S; Six (6) Hours

Course Agenda

<p>Module 1: Create and Deploy Virtual Service Fundamentals</p> <ul style="list-style-type: none"> Define service virtualization concepts: <ul style="list-style-type: none"> Creation methods Transactions Protocols Normalization Files Deploy, run, and manage Create virtual services with the DevTest Workstation and DevTest Portal recorders 	<p>Module 2: Create a Virtual Service when the Live Service is Unavailable</p> <ul style="list-style-type: none"> Review methods to create a virtual service from an unavailable service Define and name request/response pair files Create a virtual service from request/response pair files using the DevTest Portal Create a virtual service from a Swagger specification file
<p>Module 3: Define Virtual Service Model Steps</p> <ul style="list-style-type: none"> Describe the difference between virtual service model styles Describe the roles of common virtual service model steps 	<p>Module 4: Configure Virtual Service Execution Modes and View Details</p> <ul style="list-style-type: none"> Define the Execution Modes used to monitor and update virtual services Use the Execution Modes to debug virtual services and update virtual service data
<p>Module 5: Define Virtual Service Matching and Responding</p> <ul style="list-style-type: none"> Describe how request/response pairs are stored in a virtual service image Describe how an inbound request to a virtual service is matched to determine a response Describe how a virtual service responds with static and dynamic data Describe how Magic Strings and Dates are created and used in a response 	<p>Module 6: Manipulate Virtual Service Data</p> <ul style="list-style-type: none"> Manipulate request data during recording with Request Data Manager (RDM) protocol Desensitize data during and after recording Edit virtual service data in the SIE in DevTest Workstation and DevTest Portal



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Course Agenda (cont'd)

Module 7: Maintain and Troubleshoot a Virtual Service

- Describe the common methods used to update a virtual service
- Select the appropriate method for updating a virtual service
- Identify and fix common problems with virtual services
- Navigate to log files used for troubleshooting



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