

OnDemand CA Service Virtualization 10: Foundations 200



PRODUCT RELEASE

DevTest Solutions 10

COURSE TYPE, LENGTH & CODE

- Web-based Training (WBT)
- 4 and a Half (4.5) Hours
- 88SVV20180

Or

- Instructor-led Training (ILT)
- One (1) Day
- 88SVV20191

PREREQUISITES

- OnDemand DevTest Solutions 10: Foundations 200; Course Code 88ADO20340

WHO SHOULD ATTEND

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

Course Overview

The *OnDemand CA Service Virtualization 10: Foundations 200* 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 self-paced, and includes hands-on exercises in a simulated DevTest Solutions environment designed to give students the experience of using the products in realistic scenarios. This course can also be taken as an instructor-led offering with exercises in a live DevTest Solutions virtual environment.

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 *OnDemand CA Service Virtualization 10: Foundations 200* 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**

- OnDemand CA Application Test 10: Foundations 200; Course Code 88ADO20010; Four (4) Hours
- CA Service Virtualization: Messaging Virtualization 300; Course Code 88SVV30050; Two and a Half (2.5) Hours
- OnDemand DevTest Solutions: SAP Testing and Virtualization 300; Course Code 8ADO30060; One and a Half (1.5) Hours

Course Agenda

Module 1: Create and Deploy Virtual Service Fundamentals	Module 2: Create a Virtual Service when the Live Service is Unavailable
<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 	<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
Module 3: Define Virtual Service Model Steps	Module 4: Configure Virtual Service Execution Modes and View Details
<ul style="list-style-type: none"> ▪ Describe the difference between virtual service model styles ▪ Describe the roles of common virtual service model steps 	<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
Module 5: Define Virtual Service Matching and Responding	Module 6: Manipulate Virtual Service Data
<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 	<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



Visit www.ca.com/education to explore the many course offerings, training options, and education solutions available to meet your skill development needs, budget, and travel requirements.

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



Visit www.ca.com/education to explore the many course offerings, training options, and education solutions available to meet your skill development needs, budget, and travel requirements.