

CA PA for CA Service Virtualization 10: Foundations 200



PRODUCT RELEASE

DevTest Solutions 10

DURATION & COURSE CODE

- Four and a Half (4.5) Hours
- Course Code: 88SVV20304

PREREQUISITES

- CA PA for DevTest Solutions 10: Foundations 200; Course Code 88VV20294

INTENDED AUDIENCE

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

Content Overview

The *CA PA for 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 is required to attend all other CA Service Virtualization courses.

What Is Covered

- 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

ADDITIONAL CONTENT RECOMMENDATIONS

- CA PA for CA Application Test 10: Foundations 200; Course Code 88APP20034; Four (4) hours

Lessons Included

Lesson 1 – Create and Deploy Virtual Service Fundamentals	Lesson 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
Lesson 3 – Define Virtual Service Model Steps	Lesson 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
Lesson 5 – Define Virtual Service Matching and Responding	Lesson 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



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Lessons Included

Lesson 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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