



# **CA Service Virtualization 8.x Implementation Proven Professional Exam (CAT-580)**

Study Guide  
Version 1.0



# Index



Copyright



Exam Information



Exam Security



Areas for Study



Exam Objectives




Exam Questions


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# Index


 Copyright

 Exam Information

 Exam Security

 Areas for Study

 Exam Objectives

 Exam Questions



## Exam Information

The CA Technologies Certification Program is designed to measure your skills, knowledge, and expertise in managing, administering, installing, configuring and implementing select CA Technologies products for complete and optimized IT solutions. With CA certifications, management teams will have peace of mind that knowledgeable professionals are handling their CA Technologies applications.

Proctored by a third party vendor, KryterionOnline, CA Technologies certifications objectively validate the competencies of a project team – whether that team is your in-house staff, CA Technologies Professional Services, or a CA Technologies partner.

The aim of this document is to help you prepare CA Service Virtualization 8.x Implementation Proven Professional Exam. Make sure that you familiarize yourself with the content areas tested. Your best path to success is to attend the exam prep course(s).

You may also find it helpful to review the product documentation at <https://support.ca.com> and to participate in CA Global User Community forums at <https://communities.ca.com>.

- The experience gained from taking courses and using the product will help you:
- Gain a comprehensive understanding of the product or solution
  - Increase the likelihood of passing the exam on your first attempt

The Exam Experience	Professional Exam Details
<p>You can register to take an online proctored exam from your home or office using Kryterion’s Online Proctoring (OLP) Services, or you can take an on-site proctored exam at a Kryterion testing center. If you choose to take an online proctored exam, you will need Internet access, an external web camera, and a computer that meets specific hardware and software requirements.</p> <p>For answers to frequently asked questions about registering for exams, locations, on-site and virtual proctoring, OLP equipment requirements, cancellation and re-scheduling policies and more, read our FAQs at <a href="http://www.ca.com/us/education/accreditations/certifications/certification-faq.aspx">http://www.ca.com/us/education/accreditations/certifications/certification-faq.aspx</a>.</p> <p>CA employees may also go here for more information: <a href="https://one.ca.com/education/certification">https://one.ca.com/education/certification</a></p>	<ul style="list-style-type: none"><li>▪ Product release: Major release listed in the title; Includes subsequent point releases</li><li>▪ Recertification: There is no annual requirement to recertify for the same release of a product. For each major product release, an updated exam will be available for recertification.</li><li>▪ Number of items = 50</li><li>▪ Item types = Multiple choice, including multiple response questions</li><li>▪ Time to complete test: 90 minutes</li><li>▪ Passing score is 70%</li><li>▪ Attempts Permitted: You may register for your first retake immediately. For subsequent retakes you are required to wait at least thirty (30) calendar days from the date of your last attempt. Read the online <a href="#">FAQs</a> for details.</li></ul>

# Index



Copyright



Exam Information



Exam Security



Areas for Study



Exam Objectives



Exam Questions

## Exam Security






Only qualified candidates who demonstrate competency by successfully passing the CA Technologies certification exam will be awarded certification credentials. Prospective certification candidates are encouraged to prepare for the exam using the Exam Study Guide and other materials available on the Certification from CA Technologies [website](#).

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- Acquiring or attempting to acquire exam questions through online communities, chat rooms, screen capture software, forums, and social networking sites
- Acquiring or attempting to acquire exam content through CA Subject Matter Experts, CA Support Staff, or CA Certified Professionals
- Using or attempting to use a proxy to sit for the exam in your place
- Taking or attempting to take an exam for someone else
- Receiving or giving assistance during an exam
- Sharing exam questions or answers with a potential certification candidate
- Violating testing center rules
- Falsifying a diploma or score report
- Using a CA Technologies certification logo or credential to which you are not entitled

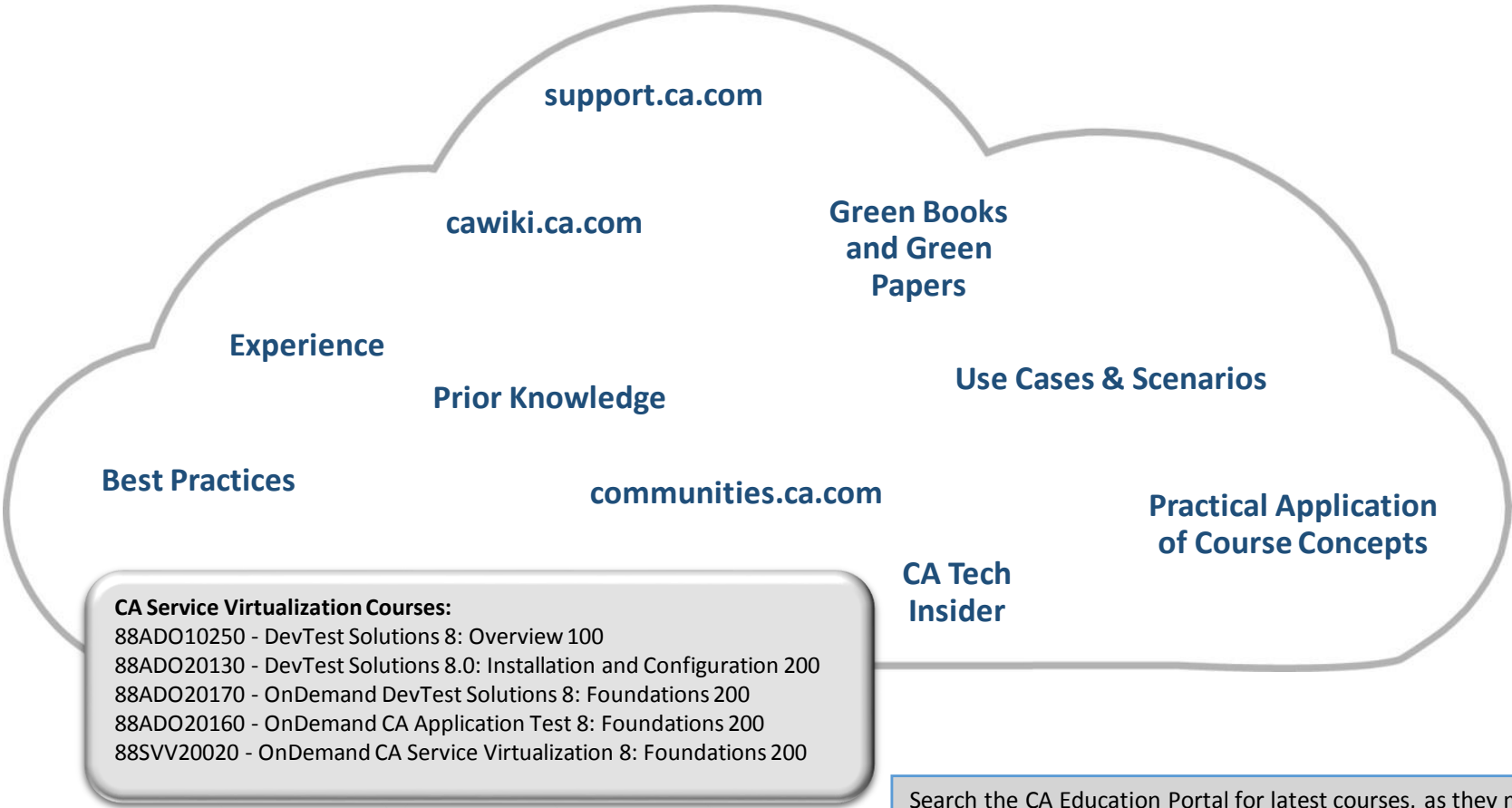
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# Index

-  Copyright
-  Exam Information
-  Exam Security
-  Areas for Study
-  Exam Objectives
-  Exam Questions



## Areas of Study




Search the CA Education Portal for latest courses, as they may not have been available at the time of this document posting:

- Partners & Customers look here: <http://education.ca.com>
- Employees look here: <https://learn.ca.com/>


For documentation, Communities, and more visit: <https://support.ca.com>


Register for the exam here: [www.webassessor.com/catechnologies/index.html](http://www.webassessor.com/catechnologies/index.html)


# Index


 Copyright

 Exam Information

 Exam Security

 Areas for Study

 Exam Objectives

 Exam Questions

## Exam Objectives

Exam objectives as they map to related courseware and the body of knowledge, including percentage of exam devoted to topics.

Exam Objectives	Related Content	Exam Focus
Understanding Virtual Service Creation	<b>88ADO20170 OnDemand DevTest Solutions 8: Foundations 200</b> <i>CA Service Virtualization Product Overview</i>	2%
Creating and Managing Projects	<b>88ADO20170 OnDemand DevTest Solutions 8: Foundations 200</b> <i>Create and Manage Projects</i>	2%
Executing a Model with the ITR	<b>88ADO20170 OnDemand DevTest Solutions 8: Foundations 200</b> <i>Execute a Model with the ITR</i>	2%
Preparing and Installing CA Service Virtualization	<b>88ADO20130 DevTest Solutions 8: Installation and Configuration 200</b> <b>Documentation at support.ca.com, Field Experience</b> <i>Prepare and Install CA Service Virtualization</i>	4%
Installing DevTest Workstation	<b>88ADO20130 DevTest Solutions 8: Installation and Configuration 200</b> <b>Documentation at support.ca.com, Field Experience</b> <i>Install DevTest Workstation</i>	2%
Installing and Configuring DevTest Solutions Enterprise Dashboard	<b>88ADO20130 DevTest Solutions 8: Installation and Configuration 200</b> <b>Documentation at support.ca.com, Field Experience</b> <i>Install and Configure DevTest Solutions Enterprise Dashboard</i>	2%
Understanding Service Virtualization Foundations	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Define Service Virtualization Foundations</i>	4%
Creating a Virtual Service with VSE Recorder (Workstation)	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Create a Virtual Service with VSE Recorder (Workstation)</i> <ul style="list-style-type: none"><li>VSE Recorder</li><li>Raw Traffic Files</li><li>Data Protocols</li><li>VSE Recorder Session Files</li></ul>	8%
Creating a Virtual Service with VS Recorder (Portal)	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Create a Virtual Service with VS Recorder (Portal)</i>	2%
Creating a Virtual Service with Request Response Pair Files	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Create a Virtual Service with Request Response Pair Files</i>	2%



# Index



Copyright



Exam Information



Exam Security



Areas for Study



Exam Objectives




Exam Questions


Exam Objectives	Related Content	Exam Focus
Deploying and Executing Against a Virtual Service	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Deploy and Execute Against a Virtual Service</i> <ul style="list-style-type: none"><li>Virtual Service Files</li><li>Design-Time and Run-Time</li><li>Deploy a Virtual Service</li><li>Client Configuration</li><li>Other Deployment Methods</li></ul> <b>Documentation and Field Experience</b> <ul style="list-style-type: none"><li>Capacity</li><li>Events</li></ul>	18
Configuring Virtual Service Model Behavior	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Configure Virtual Service Model Behavior</i>	4
Understanding Virtual Service Model Steps	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Define Virtual Service Model Steps</i>	6
Understanding Virtual Service Matching and Responding	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Define Virtual Service Matching and Responding</i> <ul style="list-style-type: none"><li>Request/Response Pairs Request Data</li><li>Matching Meta Transactions</li><li>Matching Match Style</li><li>Matching Match Script</li><li>Responding Static and Dynamic Data</li><li>Magic Strings Overview</li></ul>	18%
Manipulating Virtual Service Data	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Manipulate Virtual Service Data</i>	2%
Maintaining and Troubleshooting a Virtual Service	<b>88SVV20020 OnDemand CA Service Virtualization 8: Foundations 200</b> <i>Maintain and Troubleshoot a Virtual Service</i>	6%
Designing Workflows with Filters, Assertions, and Different Step Types	<b>88ADO20160 OnDemand CA Application Test 8: Foundations 200</b> <i>Design Workflows with Filters, Assertions, and Different Step Types</i>	4%
Creating and Invoking a Subprocess	<b>88ADO20160 OnDemand CA Application Test 8: Foundations 200</b> <i>Create and Invoke a Subprocess</i>	4%




# Index


 Copyright

 Exam Information

 Exam Security

 Areas for Study

 Exam Objectives


 Exam Questions

Exam Objectives	Related Content	Exam Focus
Staging and Executing a Test Suite	<b>88ADO20160 OnDemand CA Application Test 8: Foundations 200</b> <i>Stage and Execute a Test Suite</i>	2%
Configuring Data Sets	<b>88ADO20160 OnDemand CA Application Test 8: Foundations 200</b> <i>Configure Data Sets</i> <b>88ADO20170 OnDemand DevTest Solutions 8: Foundations 200</b> <i>Configure Elements</i>	4%
Troubleshooting Test Cases	<b>88ADO20160 OnDemand CA Application Test 8: Foundations 200</b> <i>Troubleshoot Test Cases</i>	2%







# Index




Copyright




Exam Information




Exam Security



Areas for Study



Exam Objectives



Exam Questions


## Sample Certification Exam Questions

These sample questions are very similar to the questions in the actual exam. Some questions may include several correct options.


Questions	Options
<b>Question 1</b> Which components are part of the CA Service Virtualization architecture? (Choose three)	A. DevTest Portal B. DevTest Console C. DevTest Workstation D. DevTest Coordinator Server E. DevTest Deployment Service
<b>Question 2</b> Why might you run multiple Virtual Service Environment (VSE) servers? (Choose two)	A. To stage multiple instances of Test Runner B. To act as load generators during performance testing C. To divide the workload when many virtual services exist D. To achieve the desired throughput to support performance testing
<b>Question 3</b> You have installed and configured DevTest Workstation on a computer that does not have a DevTest Server installation. After you log in for the first time, you are promoted to specify:	A. a portal that is running on the local computer. B. a broker that is running on the local computer. C. a registry that is running on a remote computer. D. an Enterprise Dashboard on a remote computer.
<b>Question 4</b> Which DevTest Solutions functional area eliminates constraints that are inherent in the software development lifecycle?	A. CA Application Test B. Virtual Service Environment (VSE) C. CA Continuous Application Insight D. The Continuous Validation Service (CVS)
<b>Question 5</b> Which utility has similar capabilities to VSE Recorder?	A. VSE Manager B. Server Console C. Service Manager D. Service Image Manager
<b>Question 6</b> For virtual service deployment, supported deployment methods include: (Choose two)	A. VSE Manager. B. the VSE Manager command-line tool. C. the Service Manager command-line tool. D. the Service Image Manager command-line tool.




# Index




Copyright




Exam Information



Exam Security



Areas for Study



Exam Objectives



Exam Questions

Questions	Options
<b>Question 7</b> To deploy a virtual service from the Server Console, what do you require?	A. A raw traffic file B. A Model Archive (MAR) file C. A Virtual Service Image (VSI) D. A Virtual Service Model (VSM)
<b>Question 8</b> Where does virtual service execution occur?	A. In the registry B. On the Simulator Server C. On the Coordinator Server D. In the Virtual Service Environment (VSE)
<b>Question 9</b> The match tolerance setting controls how CA Service Virtualization compares an incoming request with the requests in a service image. Which match tolerance options are supported? (Choose three)	A. Fuzzy B. Exact C. Specific D. Signature E. Operation
<b>Question 10</b> Which statements about DevTest Solutions properties are TRUE? (Choose two)	A. Properties are always local to the model. B. Existing properties can be used in property expressions. C. If you reference a property that does not exist, the model will abort. D. Properties can be used and defined within elements of a workflow model.
<b>Question 11</b> To set properties before or after a test step, what do you run?	A. Filters B. Data sets C. Subprocesses D. Configurations



# Index



Copyright



Exam Information



Exam Security



Areas for Study



Exam Objectives



Exam Questions

## Answers

- Question 1 = A, B, and C
- Question 2 = C and D
- Question 3 = C
- Question 4 = B
- Question 5 = D
- Question 6 = A and B
- Question 7 = B
- Question 8 = D
- Question 9 = B, D, and E
- Question 10 = B and D
- Question 11 = A

