



CA API Management 8.x Implementation Proven Professional Exam (CAT-560)

Study Guide

Version 1.1

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1 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 for the CA API Management 8.x Implementation Proven Professional Certification 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

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.

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 <http://www.ca.com/us/education/accreditations/certifications/certification-faq.aspx>.

CA employees may also go here for more information: <https://one.ca.com/education/certification>

Professional Exam Details

- Product release: Major release listed in the title; Includes subsequent point releases
- 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.
- Number of items = 45
- Item types = Multiple choice, including multiple response questions
- Time to complete test: 90 minutes
- Passing score is 70%
- 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 [FAQs](#) for details.

Exam Security Policy

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](#).

To safeguard the integrity of the certification program, CA Technologies requires all candidates to behave in an ethical manner and to comply with the rules of the third-party test center for on-site proctoring and on-line proctoring. The validity of the certification program depends on the exam content remaining secure and undisclosed to other potential certification candidates. CA Technologies will not tolerate cheating, fraud, or misconduct, which includes but is not limited to the following:

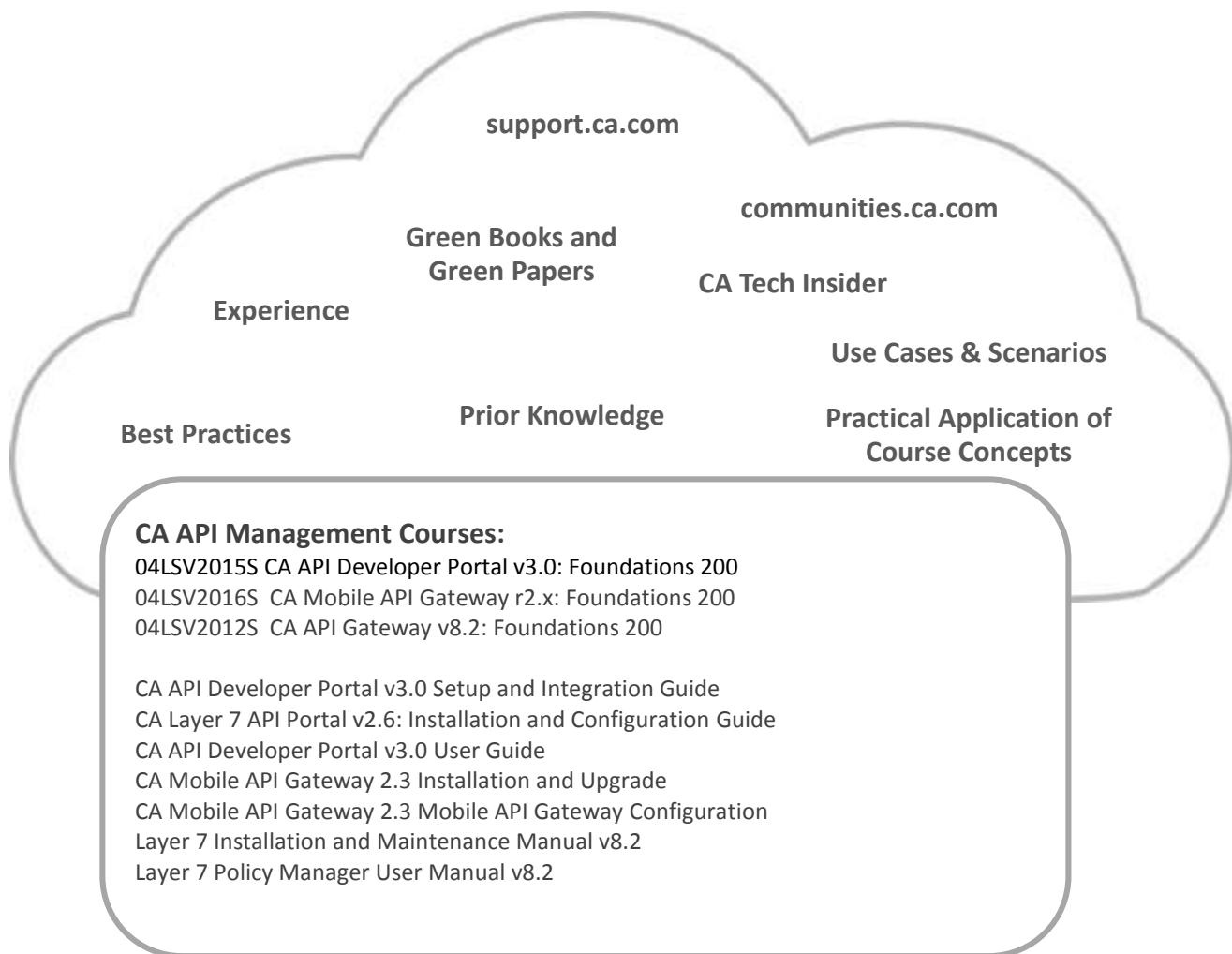
- Obtaining, whether through purchase or otherwise acquiring, unauthorized exam preparation materials from any non-CA website
- Obtaining, whether through purchase or otherwise acquiring, unauthorized exam questions from any non-CA website, including brain dump websites
- Acquiring or attempting to acquire 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

CA Technologies reserves the right to take any actions it deems reasonably appropriate in the case of suspected misconduct or violation of the terms of the Non-Disclosure Agreement, including, but not limited to, cancelling an exam result, revoking exam or certification status, terminating use of the Designation, requiring a candidate to retake an exam, banning a candidate from the certification program, and reporting misconduct to the candidate's employer. CA Technologies considers cheating a serious offense that warrants disciplinary action, up to and including termination of employment.

2 Areas for Study

Information from a variety of sources can represent the *body of knowledge* covered by the exam.

Figure 1. Learning path and body of knowledge



Notes:

Search the CA Education Portal for courses covering the latest product releases, 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/>

Visit us online for documentation, Communities, and more here: <https://support.ca.com>

Register for the exam here: www.webassessor.com/catechnologies/index.html

Table 1. 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
CA API Developer Portal Installation and Integration	<p>Documentation at support.ca.com, Work Experience 04LSV2015S CA API Developer Portal v3.0: Foundations 200 CA API Developer Portal v3.0 Setup and Integration Guide</p> <ul style="list-style-type: none"> • Prepping the Gateway • Installing the API Portal • Configure the Metrics Synchronization Utility • Installing the API portal 	10%
CA API Developer Portal Administration	<p>Documentation at support.ca.com, Work Experience 04LSV2015S CA API Developer Portal v3.0: Foundations 200 CA API Developer Portal v3.0 Setup and Integration Guide</p> <ul style="list-style-type: none"> • Internal User Roles and Accounts • API Explorer • API Groups • Monetizing APIs 	8%
CA Mobile API Gateway Installation	<p>Documentation at support.ca.com, Work Experience 04LSV2016S CA Mobile API Gateway r2.x: Foundations 200 CA Mobile API Gateway 2.3 Installation and Upgrade</p> <ul style="list-style-type: none"> • Installation of MAG • Network Zones • Mobile SSO and the Gateway • OAuth Manager • Customizing Policies • OAuth Toolkit (OTK) 	14%
CA Mobile API Gateway Configuration	<p>Documentation at support.ca.com, Work Experience 04LSV2016S CA Mobile API Gateway r2.x: Foundations 200 CA Mobile API Gateway 2.3 Mobile API Gateway Configuration</p> <ul style="list-style-type: none"> • Social Login Endpoints and OAUTH • Mobile API Gateway (MAG) Enterprise Browser • Configuring Mobile Single Sign-On • Mobile Single Sign-On and Private Key Chains • Single Sign-On and Mobile API Gateway User Authentication 	12%
CA API Gateway Install, Configure the Gateway	<p>Documentation at support.ca.com, Work Experience 04LSV2012S CA API Gateway v8.2: Foundations 200 Layer 7 Installation and Maintenance Manual v8.2</p> <ul style="list-style-type: none"> • API Gateway Form Factors • Policy Manager and Communication Settings • Auto-Provisioning • Maintenance Tasks on the Gateway 	8%

Exam Objectives	Related Content	Exam Focus
CA API Gateway Install, Configure a Gateway Cluster	<p>Documentation at support.ca.com, Work Experience 04LSV2012S CA API Gateway v8.2: Foundations 200 Layer 7 Installation and Maintenance Manual v8.2</p> <ul style="list-style-type: none"> • Gateway Clusters and Replication • Gateway System Requirements • Configuring Database Replication Nodes 	6%
Using the Policy Manager	<p>Documentation at support.ca.com, Work Experience 04LSV2012S CA API Gateway v8.2: Foundations 200 Layer 7 Policy Manager User Manual v8.2</p> <ul style="list-style-type: none"> • The Policy Manager • Cluster-Wide Properties and Gateway Node Settings • Compare Expressions • Policy Assertions and Dynamic Routing 	6%
Managing Certificates	<p>Documentation at support.ca.com, Work Experience 04LSV2012S CA API Gateway v8.2: Foundations 200 Layer 7 Policy Manager User Manual v8.2</p> <ul style="list-style-type: none"> • Private Keys 	4%
Working with identity providers and services	<p>Documentation at support.ca.com, Work Experience 04LSV2012S CA API Gateway v8.2: Foundations 200 Layer 7 Policy Manager User Manual v8.2</p> <ul style="list-style-type: none"> • Configuring Identity Providers • Publication Wizards • Using and Viewing Logs and Audit Events 	8%
CA API Gateway Policy Authoring	<p>Documentation at support.ca.com, Work Experience 04LSV2012S CA API Gateway v8.2: Foundations 200 Layer 7 Policy Manager User Manual v8.2</p> <ul style="list-style-type: none"> • User Authentication • Assertions • Policy Fragments • Policies and Policy Creation • WS-Security • Folders • Route via HTTP(S) • Audit Sink • SSL and TLS Transport 	24%

3 Sample Certification Exam Questions

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

Question 1

Before running the config_portal.sh script, you need to:

- A. configure the CA Gateway script.
- B. have installed the API Portal and then configured first time setup including initialization, passwords, and networking.
- C. change the portal keystore password.
- D. disable HTTP basic authentication.

Question 2

The two network zones in these scenarios are DMZ and Internal. The zones appear in the Policy Manager. The DMZ zone contains external facing endpoints and handles user requests coming from the SDK. This zone is responsible for which of the following?

- A. MAG Manager
- B. Mobile Single Sign-On (Mobile SSO) protocols
- C. Touchless login using quick response (QR) codes
- D. OAuth test clients.

Question 3

What preconfigured Social Login endpoints does MAG provide for use with Open Authorization (or OAuth)?

- A. Facebook
- B. Google
- C. Twitter
- D. LinkedIn

Question 4

Which of the following statements regarding policy revision history are TRUE?

- A. Policies with a comment do not count towards the stored revisions maximum.
- B. Policies with a comment are never overwritten.
- C. The `policyVersioning.maxRevisions` cluster wide property can be used to set the maximum number of stored revisions.
- D. Each policy will always have one version that is marked active.

Question 5

Which of the following statements regarding the measurement of assertion latency are TRUE?

- A. Latency measurement is automatically enabled when you run the Service Debugger.
- B. The gateway is always recording latency for internal performance optimization purposes, so there is little additional overhead in adding the measurement of assertion latency into a policy.
- C. Calculating assertion latency may affect the outcome of the "At least one assertion must evaluation to true " assertion.
- D. You must indicate that the latency is "required" by referencing either the `#{assertion.latency.ms}` or `#{assertion.latency.s}` variables in the next assertion.

Answers

Question 1 = B

Question 2 = A, B, C

Question 3 = A, B

Question 4 = A, B, C

Question 5 = C, D