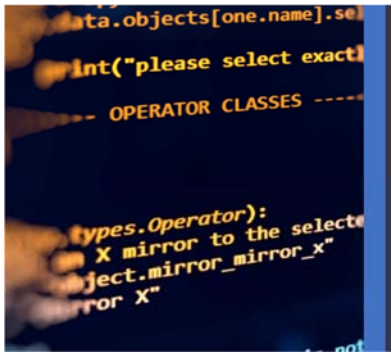
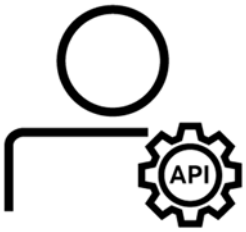


CA Education Course Description

CA API Gateway 9.3: Foundations 200



Course Overview

This course aims to provide you with a functional understanding of the CA API Gateway 9.3 product. You will follow a fictitious company, Voonair Airlines, as they discover they have a problem that only the CA API Gateway product can solve. You will play a hands-on role in discovering the architecture of a typical Gateway topology, implementing a basic cluster solution, publishing Voonair Airlines SOAP and REST APIs to be managed by CA API Gateway, creating fully configured policies to protect those APIs, and finally, adding strong security solutions to help stop potential threats.

Your ability to understand concepts around common IT infrastructure such as ESX servers, layer 2 and layer 3 switches, load balancers, Linux virtual machines as well as using relational databases such as Lightweight Directory Access Protocol (LDAP) to access identity management is essential to the success of this course. In addition, a strong background in web services, application servers and internetworking concepts will help provide a foundation of learning.

This class consisting of 13 hours of SELF-DIRECTED learning including lab activities.

PRODUCT RELEASE

CA API Gateway v9.3

COURSE TYPE, LENGTH & CODE

- Dynamic Labs
- Thirteen (13) Hours
- Course Code: 40AGW2005S

What You Will Learn

- Understand and decide on an architecture implementation of CA API Gateway
- Configure a basic Gateway cluster including primary and secondary nodes and database replication
- Create two fully configured policies to manage Voonair Airlines SOAP and REST APIs
- Discover advanced logging and auditing techniques and potential Gateway administrator tasks
- Implement security protocols to keep policies protected

PREREQUISITES

- 40API10020: CA API Management: Technical Overview 100

For Managers

The CA API Gateway product line protects applications exposed as web services, connects applications across security and identity domains, and validates policy compliance end-to-end across a transaction. The CA API Gateway is a policy-

optimized XML firewall and Web services Gateway that protects and controls how shared web services are access by and exposed to external applications.

Your team will be taught how to integrate with and protect web APIs, enable identity management across the Gateway solution, and gain basic troubleshooting skills for error-free policy deployments.

WHO SHOULD ATTEND

- Implementation Consultant
- Security Administrator
- Service Support Manager
- System Administrator
- Technical Support Manager

RECOMMENDED NEXT COURSES

- Please see https://learningpaths.ca.com/api-management for the most updated list of avalible courses.

Course Agenda

Module 1: The Voonair Airlines Case Study

- Introduction to the Voonair Airlines Story
- Voonair Airlines Case Study
- Scenario Employees and External Players

Module 2: CA API Gateway Architecture

- Describe the installation options provided for CA API Gateway
- Understand the architecture of the CA API Gateway implementation
- Physically install the open virtual appliance onto an existing infrastructure

Module 3: Setup and Configuration of CA API Gateway

- Configure the Primary Gateway Node
- Configure the Secondary Gateway Node
- Configure Database Components and Replication
- Install the Policy Manager and License the Gateway

Module 4: Manage APIs Using Policies and Assertions

- Publish the Voonair Airlines Platinum Event SOAP API
- Add the Voonair Airlines Customer Directory to the Gateway
- Add Meaningful Assertions to the SOAP Policy
- Add Logging and Auditing to the SOAP Policy
- Add Policy Fragments and Cluster-Wide Properties

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.

Module 5: Publish REST APIs and Perform Administrative Tasks	Module 6: Implement Advanced Assertions and Security Protocols
▪ Publish the Voonair Airlines Toronto Destination REST API ▪ Add Meaningful Assertions to the REST Policy ▪ Advanced Logging and Auditing Techniques ▪ Common Gateway Administrative Tasks	▪ Evaluate Data Extracted from a Message ▪ Limit Access and Throughput to a Resource ▪ Add Threat Protection Assertions ▪ Apply the Validate XML Schema Assertion ▪ Apply the JSON Transformation Assertion

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.