

## CA Endeavor: Web Services 300

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### Course Summary

#### Description

A Web Service is a method of communication between two electronic devices/programs over a network using a common internet protocol backbone. CA Endeavor Web Service can be used to connect your user-written program to the CA Endeavor API. One of the most common uses of the CA Endeavor Web Service is to connect the Eclipse GUI with the mainframe and CA Endeavor. UNIX System Services (USS) is used to configuring and deploying Web Services on your z/OS system. In this course, you will learn what a Web Service is and how it works; more specifically, you will learn how to implement and install the CA Web Service and validate that it's running. You will also learn how to update the Web Service as needed. This course combines content presentation, audio, and hands-on simulations.

#### Objectives

At the end of this course, students will be able to:

- Identify the Web Services components
- Describe the Web Services implementation
- Install & initiate the Tomcat
- Install & enable the Web Services
- Invoke API requests through the Web Services to validate functionality
- Identify the use of webhooks
- Update the Web Services

#### Topics

- Introducing Web Services
- Implementing Web Services
- Installing and Initiating Tomcat
- Installing Web Services
- Enabling Web Services
- Initializing Web Services
- Validating API Requests
- Working with Webhooks
- Updating Web Services

#### Audience

This course is designed for CA Endeavor Administrators, CA Common Services CAICCI Administrators, Security Administrators, and Web Applications Administrators.

#### Prerequisites

Before taking this course, students should have advanced CA Endeavor Administrator experience or have taken CA Endeavor: Administrators Bundle06END2026B or 06END20261Web-based Training (WBT) or Instructor-Led Training (ILT).

#### Duration

One and a half hours

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### Course Outline

- I. Introducing Web Services*
  - A. Overview
  - B. What is a Web Service?
  - C. Accessing the CA Endeavor API
  - D. Building an Implementation Team
- II. Implementing Web Services*
  - A. Decisions and Requirements
- III. Installing and Initiating Tomcat*
  - A. What is Tomcat
  - B. Common Services
  - C. Directory Structure
- IV. Installing Web Services*
  - A. CSM vs. ESD Installation Processes
  - B. Introduction to the ENWSInstallOptions.properties file
- V. Enabling Web Services*
  - A. Modifying the ENWSInstallOptions.properties file
  - B. Secure or Unsecure Servers
  - C. Key Parameters for Tomcat
- VI. Initializing Web Services*
  - A. Starting Tomcat
  - B. Verifying that Tomcat is Active
- VII. Validating API Requests*
  - A. Using supplied and third-party tools to validate API requests
  - B. Using two examples: API Tester and Postman
- VIII. Working with Webhooks*
  - A. Overview of Webhooks
  - B. What is a Webhook
  - C. Webhook installation
  - D. Using the Event Logger
- IX. Updating Web Services*
  - A. Steps to update Web Services
  - B. Modifying the ENWSInstallOptions.propertiesfile for an update