

Dell Boomi Professional API Design and Management

Course Description

The Dell Boomi Professional API Design and Management course offers comprehensive training on designing and managing APIs effectively using the Boomi Platform. Covering topics such as API design principles, REST and SOAP protocols, API management components, authentication, and troubleshooting techniques, this course provides participants with the necessary skills to create, expose, and manage APIs seamlessly.

Audience

This course is tailored for integration developers, architects, consultants, and technical professionals seeking to deepen their understanding of API design and management within the Dell Boomi Platform. It is ideal for individuals involved in designing, implementing, and overseeing API-driven integration solutions across diverse environments.

Pre-requisite Knowledge/Skills

- Integration Essentials
- Associate Integration Developer
- Professional Integration Developer
- Professional API Design

Course Objectives

- Understand the fundamentals of API design principles and protocols.
- Learn to create and expose APIs using REST and SOAP protocols.
- Gain proficiency in managing APIs using components such as API Service, API Proxy, and Developer Portal.
- Develop skills in authentication mechanisms and API subscription management.
- Acquire troubleshooting techniques to address common API design and management challenges.

Course Outline

Module 1: Professional API Design

- API Design Starts in Integration
- Try-It: Loading an Integration Process
- Exposing a Web Service
- Try-It: Exposing a Web Service
- Creating a REST API by Importing a Boomi Process
- Try-It: Creating a REST API by Importing a Boomi Process
- Creating a REST API by Using an External File
- Try-It: Creating a REST API by Using an External File
- OData Protocol
- Try-It: Creating an OData Protocol EndPoint
- SOAP Protocol
- Try-It: Creating a SOAP Protocol EndPoint
- Deployed APIs and Swagger Visualization Portal
- Try-It: Using Deployed APIs and Swagger Visualization Portal
- Troubleshooting

Module 2: Professional API Management

- API Management Overview
- API Service Component
- API Proxy Component
- Atoms, Environments, and Gateways
- Authentication
- Plans, Applications, and Subscriptions
- The Developer Portal
- Troubleshooting