



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Create, Secure, and Publish APIs with IBM API Connect v2018

CODE:	LENGTH:	PRICE:
ZD514G	32 Hours	\$1,200.00

## Description

This course is also available as classroom course *Create, Secure, and Publish APIs with IBM API Connect v2018* (WD514G). This course teaches you how to create, publish, and secure APIs with IBM API Connect V2018. You build Node.js API applications with the LoopBack framework. You define API interfaces according to the OpenAPI specification. You assemble message processing policies and define client authorization schemes, such as OAuth 2.0, in the API definition. You publish APIs and make them available on a secure gateway and on the Developer Portal.

For information about other related courses, see the IBM Training website:<http://www.ibm.com/training>

**IBM Customers and Sellers: If you are interested in this course, consider purchasing it as part of one of these Individual or Enterprise Subscriptions:**

- IBM Learning for Automation Individual Subscription ([SUBR021G](#))
- IBM Learning for Automation Enterprise Subscription ([SUBR005G](#))
- IBM Learning Individual Subscription with Red Hat Learning Services ([SUBR023G](#))

## Objectives

After completing this course, you should be able to:

- Create APIs in API Connect
- Implement APIs with the LoopBack Node.js framework
- Create message processing policies that transform API requests and responses
- Authorize client API requests with security definitions
- Enforce an OAuth flow with an OAuth 2.0 API security
- Publish, and test APIs on the API Connect cloud

## Audience

This course is designed for API developers: software developers who define and implement API operations.

## Prerequisites

Before taking this course, you should successfully complete course VY102G, *Developing REST APIs with Node.js for IBM Bluemix* (no longer available).

## Program

Exercise: Review the API Connect development and runtime environment  
API Connect development platform  
Creating an API definition

IBM API Connect V2018 overviewExercise: Create an API definition from an existing API

Defining APIs that call REST and SOAP services

Implementing APIs with the LoopBack framework

Exercise: Define an API that calls an existing SOAP serviceExercise: Create a LoopBack application

LoopBack models, properties, and relationshipsExercise: Define LoopBack data sources

Defining data sources with connectors

Implementing remote methods and event hooks

Exercise: Implement event-driven functions with remote and operation hooks  
 Assembling message processing policies  
 Exercise: Declare an OAuth 2.0 provider and security requirement  
 Deploying an API to a Docker container  
 Exercise: Deploy an API implementation to a container runtime environment  
 Exercise: Define and publish an API product  
 Subscribing and testing APIs

Exercise: Assemble message processing policies  
 Declaring client authorization requirements  
 Creating an OAuth 2.0 provider  
 Publishing and managing products and APIs  
 Exercise: Subscribe and test APIs

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
17 Apr 2023			English	Self Paced Training		\$1,200.00

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)