



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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

CODE:	LENGTH:	PRICE:
ZL1_ZD514	32 Hours (4 days)	€1,370.00

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).

Programme

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

On request. Please [Contact Us](#)

Additional Information

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