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Creating, Publishing, and Securing APIs with IBM API Connect

CODE:	DURÉE:	PRIX H.T.:
ZD508G	32 Hours	€1,200.00

Description

An updated version of this course is available. For more information, click *Create, Secure, and Publish APIs with IBM API Connect v2018 (ZD514G)*.

This course is also available as classroom course *Creating, Publishing, and Securing APIs with IBM API Connect (WD508G)*. This course teaches you how to create, publish, and secure APIs with IBM API Connect V5.0.8. You learn how to use the Developer Toolkit to define an API interface according to the OpenAPI specification. You assemble message processing policies in the API Designer web application and define client authorization schemes, such as OAuth 2.0, in the API definition. You build a Node.js API application with the LoopBack framework. You also package, stage, and publish an API with product and plan. For information about other related courses, see the IBM Training website:<http://www.ibm.com/training>

Objectifs

- Create APIs with the API Connect toolkit
- Implement APIs with the LoopBack Node.js framework
- Validate, filter, and transform API requests and responses with message processing policies
- Authorize client API requests with security definitions
- Enforce an OAuth flow with an OAuth 2.0 Provider API
- Stage, 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.

Prérequis

Before taking this course, you should successfully complete *Developing REST APIs with Node.js for IBM Bluemix (VY102G)*.

Programme

Course introduction
IBM API Connect V5 overview
API Connect Developer Toolkit
Creating an API definition
Exercise: Creating and publishing an API in API Designer
Defining APIs that call REST and SOAP services
Exercise: Defining an API that calls an existing SOAP service
Implementing APIs with the LoopBack framework
Exercise: Creating a LoopBack application
LoopBack models, properties, and relationships
Defining data sources with connectors
Exercise: Defining LoopBack data sources
Implementing remote methods and event hooks
Exercise: Implementing event-driven functions with remote and operation hooks
Assembling message processing policies
Exercise: Assembling message processing policies
Declaring client authorization requirements
Creating an OAuth 2.0 provider
Exercise: Declaring an OAuth 2.0 provider and security requirement
Deploying an API to a Docker container
Exercise: Deploying an API implementation to a container runtime
Staging, publishing, and deploying an API product
Exercise: Defining and publishing an API product
Subscribing and testing APIs
Exercise: Subscribing and testing APIs
Troubleshooting
Exercise: Troubleshooting the case study
Course summary

Informations supplémentaires

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEurl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
09 Feb 2023			English	Self Paced Training		€1,200.00

Informations Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)