WD515G Create, Secure, and Publish APIs with IBM API Connect 10

Category: Software Development & Programming | **Vendor:** IBM

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course teaches you how to configure a newly built API Connect 10 environment. You are taught how to configure a catalog with the gateway, portal, and analytics services and set up the environment for API development. You then define API interfaces according to the OpenAPI specification. You build SOAP and REST based APIs along with a GraphQL API. You assemble message processing policies and define client authorization schemes, such as OAuth 2.0, in the API definition. You verify the proper sequencing of policies in the assembly tester and further test your APIs in the new Test tab and Local Test Environment. After building and testing your APIs, you publish them and make them available on the Developer Portal. You manage all aspects of the provider organization in the API Manager user interface to create, publish, version, and retire API artifacts such as products, plans and APIs themselves. You also learn how to manage consumer organizations who use the APIs that are made available on the Developer Portal. You learn how to add members to the consumer organization that provides access to the APIs on the Developer Portal. You learn how the layout of the Developer Portal can be customized. Finally, you call the APIs on the secure gateway and you view the graphs and metrics of API usage.

About This Course

This course teaches you how to configure a newly built API Connect 10 environment. You are taught how to configure a catalog with the gateway, portal, and analytics services and set up the environment for API development. You then define API interfaces according to the OpenAPI specification. You build SOAP and REST based APIs along with a GraphQL API. You assemble message processing policies and define client authorization schemes, such as OAuth 2.0, in the API definition. You verify the proper sequencing of policies in the assembly tester and further test your APIs in the new Test tab and Local Test Environment. After building and testing your APIs, you publish them and make them available on the Developer Portal. You manage all aspects of the provider organization in the API Manager user interface to create, publish, version, and retire API artifacts such as products, plans and APIs themselves. You also learn how to manage consumer organizations who use the APIs that are made available on the Developer Portal. You learn how to add members to the consumer organization that provides access to the APIs on the Developer Portal. You learn how the layout of the Developer Portal can be customized. Finally, you call the APIs on the secure gateway and you view the graphs and metrics of API usage.

Who Should Attend

This course is designed for API developers.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Configure services in Cloud Manager for an on-premises installation of API Connect

Create a catalog and Developer Portal

Create consumer and provider organizations

Create, test, and publish SOAP, REST, and GraphQL APIs

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 provider

Perform advanced testing of APIs by using the Test tab and the Local Test Environment

Define products and plans in API Manager

Stage, publish, version, migrate, deprecate, and retire products and APIs

Manage member roles and permissions in the Developer Portal

Create an application and subscribe to a plan

Review API analytics in the Developer Portal

Review analytics dashboards and visualizations in API Manager

Customize the Developer Portal

Detailed Course Outline

Course Outline

- Introduction to IBM API Connect V10
- Exercise: Reviewing the API Connect development and runtime environments
- Managing catalogs and organizations
- Exercise: Managing catalogs and consumer organizations
- Defining APIs in API Manager
- Exercise: Defining an API that calls an existing SOAP service
- Defining a REST API in API Manager
- Exercise: Defining a REST API from a target service
- Assembling message processing policies
- Exercise: Assembling message processing policies
- Declaring client authorization requirements
- Creating an OAuth 2.0 provider
- Exercise: Implementing OAuth 2.0 security
- Testing and debugging APIs
- Exercise: Introduction to the Test tab
- Creating and testing a GraphQL API
- Exercise: Creating and testing a GraphQL API
- Testing an API in the Local Test Environment
- Exercise: Testing an API in the Local Test Environment
- Publishing and managing products and APIs
- Exercise: Define and publish an API product
- The product lifecycle
- Exercise: Subscribing and testing APIs in the Developer Portal
- Exercise: Managing and approving API Products
- Subscribing and testing APIs in the Developer Portal API Analytics
- Exercise: Calling an API on the gateway and monitoring API usage
- Customizing the Developer Portal
- Exercise: Customizing the Developer Portal

Additional Course Details

Nexus Humans WD515G Create, Secure, and Publish APIs with IBM API Connect 10 training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the WD515G Create, Secure, and Publish APIs with IBM API Connect 10 course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for WD515G Create, Secure, and Publish APIs with IBM API Connect 10?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day WD515G Create, Secure, and Publish APIs with IBM API Connect 10 course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the WD515G Create, Secure, and Publish APIs with IBM API Connect 10 training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for WD515G Create, Secure, and Publish APIs with IBM API Connect 10?

Yes, we provide corporate training, dedicated training, and closed classes for WD515G Create, Secure, and Publish APIs with IBM API Connect 10. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for WD515G Create, Secure, and Publish APIs with IBM API Connect 10?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your WD515G Create, Secure, and Publish APIs with IBM API Connect 10 training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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