
English Delivery Only: GraphQL

Duración: 2 Días Código del Curso: GRAPHQL Método de Impartición: Curso Remoto (Virtual)

Temario:

*** Course delivered in English (UK) ***GraphQL Course Overview

GraphQL is a query language for APIs and a query runtime engine. It's an increasingly popular alternative to REST given it enables the client to specify the shape of the representation and it minimises the number of requests required to obtain the desired data. This course comprises sessions dealing with prerequisite topics including HTTP and REST APIs, core GraphQL theory, the building of GraphQL services and clients, queries, types, and yet more GraphQL theory including introspection and best practices. Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered. Delegates have the option of coding in either Java, Python, or JavaScript.

Curso Remoto (Abierto)

Nuestra solución de formación remota o virtual, combina tecnologías de alta calidad y la experiencia de nuestros formadores, contenidos, ejercicios e interacción entre compañeros que estén atendiendo la formación, para garantizar una sesión formativa superior, independiente de la ubicación de los alumnos.

Dirigido a:

Who will the Course Benefit?

This course will benefit developers who are required to build or maintain GraphQL services and/or clients, and anyone otherwise interested in what a GraphQL service is, how it works, and how to build a good one.

Objetivos:

- Course Objectives
 - This course aims to provide the delegate with the skills and knowledge necessary to design and build good quality GraphQL services.
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Prerequisites:

- Delegates attending this course should have some knowledge of, or experience in, software development. Ideally delegates will be comfortable coding in Java, Python, or JavaScript to a fundamental level.
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Siguientes cursos recomendados:

Further Learning

- Core Spring (4 day)
 - Python Programming 2
 - Developing Node.js Web Applications
 - REST APIs
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Contenido:

GraphQL Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: PREREQUISITES

- APIs
- Web apps
- Web services
- HTTP
- JSON
- Serialisation
- REST APIs

Session 2: GRAPHQL THEORY

- The problem with REST APIs
- What is GraphQL?
- The composition of a GraphQL service
- Queries and mutations
- Schemas and types

Session 3: GRAPHQL SERVICES

- Building a GraphQL service with:
- Spring Boot (Java) or;
- Ariadne (Python) or;
- Apollo (JavaScript)

Session 4: GRAPHQL CLIENTS

- Building a GraphQL client with:
- HttpClient (Java) or;
- GQL (Python) or;
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Session 5: QUERIES

- Arguments
- Aliases
- Fragments
- Operation names
- Variables
- Directives

Session 6: TYPES

- Arguments
- Lists
- Non-null fields
- The query and mutation types
- Scalar types
- Enum types
- Union types
- Input types
- Interfaces

Session 7: MORE GRAPHQL THEORY

- Validation
- Execution
- Introspection
- Best practices

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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