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Sign up

Camunda training

3 days (21 hours)

Presentation

Camuda 8 is an open-source platform for automating workflows and business processes. It helps developers create products that improve , automation and software optimization.

This platform encourages collaboration between developers and business users. Ideally, this approach leads to more efficient, lighter-weight tools that work well for end-users in a variety of industries.

It provides us with a number of components, including :

- Zeebe, which implements the workflow and decision engine.
- Camunda Modeler, which can help us draw and deploy BPMN, DMN and other diagrams.
- Camunda Operate can help us monitor ongoing and completed processes.
- Camunda Tasklist to complete user tasks.
- Connectors, which provides configurable connectors ready for quick use.

Our training course will introduce you to Camunda 8'basic concepts, architecture and functionalities.

By the end of this course, you'll have mastered Camunda 8's functionalities and be able to create business processes.

Objectives

- Model and automate BPMN processes with Camunda
- Master the basic concepts of the Camunda engine
- Manipulating the engine via its REST API
- Handling the engine in Java using the Spring framework
- Best practices for a production environment

Target audience

- Developers
- Business Analysts

Prerequisites

- Knowledge of Java (Spring is a plus)
- Knowledge of REST APIs

Software requirements

- Postman
- Camunda Modeler
- A Java IDE you know well
- JDK 11 and Maven 3
- Docker Desktop
- Docker pull of mysql and camunda/camunda-bpm-platform images

Camunda training program

Introduction to Camunda 8

- BPMN standard
- Camunda (Zebee) BPMN engine
- Installing Camunda Platform and Camunda Modeler
- Modeling symbols

Model and execute a business process

- Camunda Modeler
- Webapps: Cockpit, Task List, Admin
- Process deployment
- Camunda form

Camunda REST API

- Operation and OpenAPI
- Advantages and limitations
- Platform administration
- Process manipulation via REST API

Developing a Spring Boot application based on Camunda

- What, why and how?
- Configuration and customization
- Java engine interfaces
- Query API Java
- Unit testing

DMN with Camunda

- DMN standard
- Integrate decision tables

Best Practices Camunda

- Modeling
- Distributed architecture, Messaging & Multitenancy
- Performance and Big Data

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.