

Updated on 16/05/2023

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Play 2 training

2 days (14 hours)

Presentation

Play is a framework for writing web applications on the JVM. It is lightweight, high-performance, stateless and restful by default. It is a radical departure from the dominant JEE model on the JVM, taking its inspiration from frameworks such as Django or Rails. Open-source, the framework is mainly guided and maintained by a team from Lightbend, which also provides commercial support. Written in Scala, it provides both a Java and a Scala API. This training focuses on the use of Play in Java.

Our training covers the latest version of this framework ([Play 2.8](#)).

Objectives

- Understand what the Play framework is, when and why to use it
- Writing your first web application with Play
- Master the framework's main features

Target audience

Developers, Architects

Prerequisites

Knowledge of [Java](#) or [Scala](#).

Play training program

Introduction

- What is Play?
- Key features
- When to use it

First steps

- Install Play
- Create your first application
- Controls to remember

Controllers

- Routing
- Actions
- Results
- Use query info
- Cookies and sessions
- HTTP filters
- Working with forms
- Working with JSON

Views

- View structure
- Twirl template syntax
- Static asset management

Organizing business code

- Dependency injection
- Configuration
- Execute code at application startup/end

Using a database

- Managing schematic migrations
- Via Jdbc
- Via Jpa
- Via Ebean

Advanced concepts

- Writing asynchronous code
- Streaming answers

- Cover

Companies concerned

This course is aimed at companies, large or small, wishing to train their teams in a new, advanced computer technology.

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, with 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.