RESTful Application Stack with Spring/RestEasy

JEE Workshop

by
Jens Segschneider, Nils Urban & Vincent Wochnik

Contents

- Introduction
- Why Spring/RestEasy?
- The Application Stack
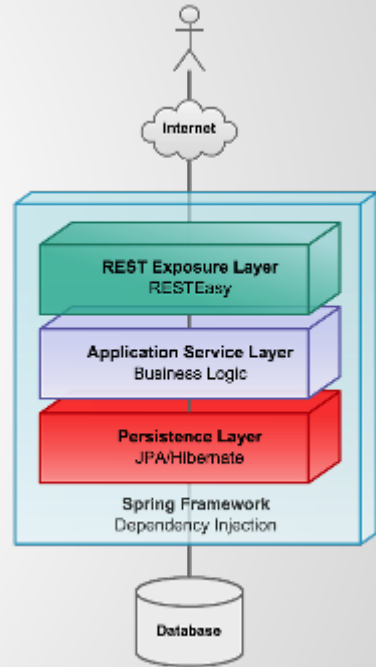- About this Workshop

Introduction

- RESTful communication is becoming the de-facto standard for web applications
  - Business logic and persistence server-side, statically-served AJAX-based application client-side
- Quicker response time and improved usability than traditional dynamically-served applications
  - Less data transfer due to improved communication

Why Spring/RestEasy?

- Spring provides many facilities to improve productivity and maintenance
  - Dependency Injection (DI), Repositories for JPA-annotated entities, integration with other frameworks
- RestEasy is a JAX-RS implementation
  - Excellent integration with Spring, productive workflow, very stable

The Application Stack

- Rest exposure layer
  - JAX-RS-annotated resource classes
- Service layer
  - Business logic, mapping domain and representation objects
- Persistence layer
  - JPA-annotated classes, Hibernate and underlaying RDBMS

About this Workshop

- Teaches the workflow with the presented application stack
- Example application (Task Manager) is pre-configured and fully functional to provide an easy learning experience
- All solutions are already in the repository if needed

Questions?