



REST with Java

Abstract

Representational State Transfer (REST) is an architectural style for designing networked applications and exposing Web Services.

REST delivers simplicity and true interoperability and is an alternative to complex mechanism such as CORBA, RPC or SOAP-based Web Services and allows using simple HTTP to make calls between machines.

The course will explain the REST principles and show how to use the new Java standards for creating RESTful API for your products.

Target Audience

Java Developers.

Team Leaders.

Project Managers.

Prerequisites

Familiarity with the Java language.

Familiarity with JEE web applications.

Content:

REST Overview (4 hour):

- Motivation for REST.
- What is REST.
- REST on HTTP.
- WADL.

JAX-RS (4 hours):

- Exposing Resources.
- Packaging.
- Customizing the WADL.
- Writing Clients.
- Creating Custom Providers.

Advanced Representations (4 hours):

- Web Feeds (Atom/RSS).



GData.
OpenSearch.
JAX-RS integration.

ROA (4 hours):

REST Best Practices.
Security with REST.
REST and AJAX.
Understanding Mashups.
Discussing Use-cases.

Duration: 2 days.