Module: Web services with Java REST API

The objective of this training is to learn how to create REST web services in Java, and how to consume them. In particular, you will be able to: understand what REST is and the Java EE 6 JAX-RS specification, design REST services, secure them, deploy them and consume them via various clients.

Prerequisites : Good knowledge of XML, Java and J2E programming.

| (REST:API) | | |
|---------------------------|---|---|
| | E-TRAINING JAVA REST API WEBSERVICES VIRTUAL CLASSROOM RESTFUIL Annotations . JAX-RS | |
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| Ways to take this course: | | Online Instructor Led Online self-paced Video On Demand |
| Video conference tool : | | ZOOM |
| Duration : | | 14 H (2 days) |

Scalability

Caching Competitor access

OUTLINE

Introduction to REST

Service Oriented Architectures RESTful: definition and principles REST compared to SOAP JSON and XML formats HTTP methods: GET, POST, PUT, DELETE, etc. Layered architecture of a service Microservices architecture JAX-RS and Jersey

RESTful JAX-RS Services

Object model, URIs API design: JAX-RS, Jersey JAX-RS annotations WADL: XML description of a service Handling exceptions

REST Services Deployment

Service Deployment JAX-RS Web services clients More complex web services with JAX-RS Deploying a REST application Configure REST components

RESTful Services with Spring

Spring integration Spring annotations Spring Web services clients Exception handling

Security of services

CORS filters Stateful Authentication Stateless Authentication



