

Training: Capstone Courseware  
560 Overview of Java Web Services

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	290 EUR	1 day
Traditional	CTAB Tablet	440 EUR	1 day
Distance learning	Hardcopy	290 EUR	1 day
Distance learning	CTAB Tablet	290 EUR	1 day

## LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

## TRAINING GOALS:

Version 6.0

This course provides an **overview of web services development in the Java EE platform**, starting with a look at interoperable standards and then delving into Java technology to implement them. We look at both the SOAP-oriented and RESTful schools of service architecture. Then we look at examples of services developed using the APIs that are standard to the Java EE 6 platform: JAX-WS, SAAJ, and JAX-RS in particular.

Though it includes plenty of code and message-content details, and some short labs at the end of the day, this course is intended to be useful both to Java developers and to non-developers who wish to gain familiarity with the key concepts of web services and Java WS technology.

## CONSPECT:

- Chapter 1. Overview of Web Services
  - Why Web Services?
  - Service-Oriented Architecture
  - HTTP and XML
  - SOAP
  - WSDL
  - The SOAP Vision
  - The REST Vision
  - UDDI

- The WS-I Basic Profile
- Security
- Chapter 2. Web Services for Java EE
  - Hosting Web Services: Scenarios
  - Web Services for Java EE
  - JAX-WS and JAXB
  - Web-Services Metadata
  - WSDL-to-Java and Java-to-WSDL Paths
  - Provider and Dispatch APIs
  - SAAJ and JAXP
  - JAX-RS for RESTful Services
  - JAXR

Appendix A. Course Tools and Utilities

Appendix B. Handy Guide to Web-Services Acronyms

## REQUIREMENTS:

- [Java programming](#) experience is assumed, and is necessary for the lab exercises. But those without Java skills can still profit from taking the course, so this is not a hard prerequisite.

## Difficulty level



## CERTIFICATE:

The participants will obtain certificates signed by Capstone Courseware.

## TRAINER:

Authorized Capstone Courseware Trainer.