Using JAXB with JAX-WS Web Services

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Overview

Web Services

Purchase Order Web Service Server

Purchase Order Web Service Client

Introducing Web Services with JAX-WS

Web Services Quick Overview

HTML

Web Services Quick Overview

SOAP

**Simple Object Access Protocol
Service Oriented Architecture Protocol**

Web Services Quick Overview

WSDL

Web Services Description Language

Defines operations and structure of the content of SOAP messages

Web Services Quick Overview

JAX-WS

Java API for XML Web Services

Java's standard API for working with XML-based web services
Uses JAXB for marshalling and unmarshalling XML
For server side and client side

Creating a Purchase Order Web Service

Creating a Purchase Order Web Service

Purchase Order Web Service

Domain Model

PurchaseOrder
Item
Customer
Address
Loyalty

Operations

- Get list of orders
- Get a specific order
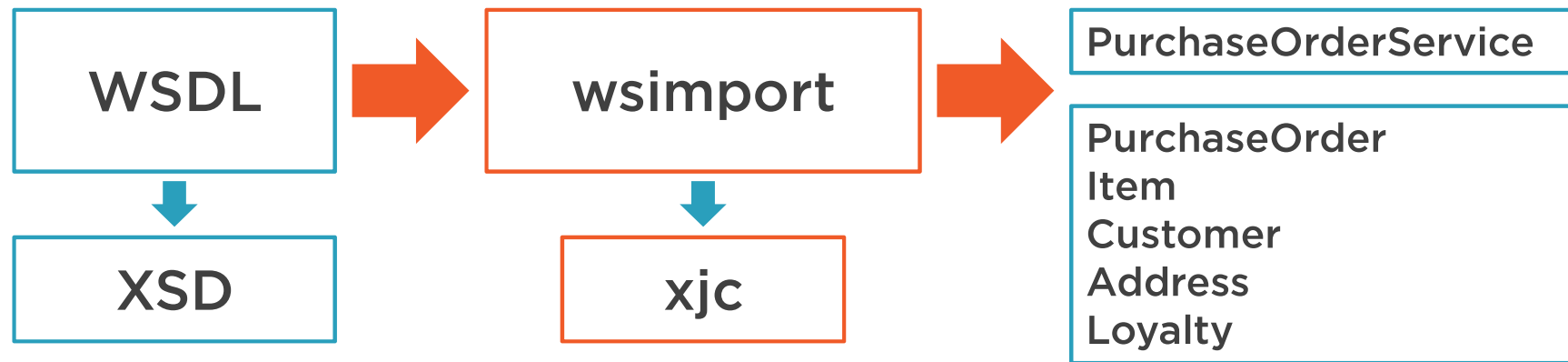- Add an order
- Delete an order

ps-jaxb-34-jaxws-server

Creating a Client for the Purchase Order Web Service

JAX-WS Tool: wsimport

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Summary

Web Services
- SOAP
- WSDL

JAX-WS
- Creating a web service
- Creating a client using wsimport

More About Web Services

Building JAX-WS Web Services with Apache CXF
Michael Hoffman

Thank you

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