



# Technical Course

## PeopleTools 8.56 Web Services

Developed for developers, analysts and system administrators, PeopleSoft PeopleTools 8.56 Web Services training expands on the skills acquired in Integration Broker. Through scenarios, real-world experiences from implementers and hands-on activities, students learn how to integrate with third-party systems by providing and consuming web services as well as to create and implement REST web services.

## Prerequisites:

- PeopleTools Knowledge
- Intermediate PeopleCode Skills
- Integration Broker Course
- Application Designer Knowledge

## Web Services

- Integrating with Third-Party Systems
- Providing Web Services
- Testing Service Operations Using soapUI
- Consuming Web Services
- Mock Web Service for Testing

## Testing Service Operations

- Send Master Utility
- Send Master Project Types
- Creating an Integration Broker Project
- SOAP Messages

## Creating Documents

- Document Technology
- Document Components
- Document Options
- Document Builder
- Adding Documents
- Adding Primitives
- Adding Compound Elements
- Adding Collections

## Managing Formatted Documents

- Defining Schema Details
- Exporting Documents
- Testing Documents
- Managing Relational-Formatted Documents
- Mapping JSON Documents

## Populating and Retrieving Document Data

- Describing Document Classes
- Populating a Document with Data
- Retrieving Data from a Document
- Adding Routings

## Document Utilities

- Testing a Document Schema
- Creating Document from Schema
- Updating Target Location
- Validating Document References to Metadata

# Agenda

## Maintaining Documents

- Copying Documents
- Renaming and Deleting Documents
- Securing Documents
- Migrating Documents

## Document-Based Service Operations

- Document Messages
- Document-Based Service Operations
- Publishing a Document-Based Asynchronous Service Operation
- Service Operation Handler

## RESTful Web Services

- Describing Web Services
- Describing Service & Resource Oriented Architecture
- Describing ROA Properties
- Designing a REST Service
- Setting Up REST Web Service Target Location
- Creating a Document Template
- Creating a Document Message Template

## REST Service & GET Service Operations

- Creating a REST Service
- Defining the REST Resource
- Defining Default Service Operation

## Handlers for REST Service Operations

- REST Handler
- Creating a GET Handler in HTML Format
- Adding the Handler to Service Operation

## Other HTTP Methods

- POST and PUT Service Operations
- Adding Header Information
- DELETE Service Operation
- Testing REST Service Operations in Handler Tester
- Testing REST Service Operations in Send Master

## Providing REST Services

- Using the WADL to Consume a Web Service
- Migrating REST Service Definitions to Another PeopleSoft Database

## Consuming REST Services

- Creating a Consumer REST Service
- Invoking REST Web Service