



Technical Course

PeopleSoft PeopleTools 8.54 Integration Broker

Developed for developers, analysts and system administrators, PeopleSoft PeopleTools v8.54 Integration Broker training introduces students to Integration Broker Tool used to integrate PeopleSoft Application with other PeopleSoft Applications and third-party systems. Through scenarios, real-world experiences from implementers, and hands-on activities, students learn how to develop new and modify existing PeopleSoft integrations.

Prerequisites:

- PeopleTools Knowledge
- PeopleCode Knowledge

Integration Broker Overview

- Integration Broker Functionality
- Architecture Overview
- Supported Integration Types and Protocols
- Basic Integration Setup
 - Services and Service Operations
 - Message Definitions
 - Routings
 - Nodes

Consuming and Providing Web Services

- Web Services Technology Review
- Consuming SOAP-Based Web Services from PeopleCode
- Web Service Based Pagelets
- Using Service Operation Tester
- Providing Component Interface Based Services
- Providing Application Class Based Services
- Using PeopleSoft Document Technology

Consuming and Providing Web Services (cont'd)

- RESTful Services
- JSON and Non-XML Based Messages
 - Using SoapUI to Develop and Test Services

Messaging Between PeopleSoft Applications

- Asynchronous Service Operations Overview
- Creating Asynchronous Service Operations
- Sending and Receiving Asynchronous Service Operations
- Monitoring Asynchronous Service Operations

PeopleSoft Query Access Service (QAS)

- PeopleSoft Query Review
- Supported Access Modes
- Output Format
- Invoking QAS from an External System

Agenda

Advanced Integration Features

- Filtering, Transformation, and Translations
- Message Parts and Containers
- Routing Event PeopleCode
- Outbound Event PeopleCode
- Error Handling

Integration Broker Architecture Deep Dive

- Integration Gateway and Connectors
- Integration Engine
- Inbound and Outbound Request Flow

Configuring Integration Broker

- Integration Gateway and Properties
- Web Service Configuration
- Defining and Configuring Nodes
- Activating Server Domains
- Verifying the Integration Network
- Using Network Node Registration
- Using the Configure Network Activity Guide

Integration Broker Administration and Monitoring

- Using Integration Network WorkCenter
- Using Introspection and Deployment
- Monitoring Service Operations
- Understanding Integration Broker Logs

Tuning Integration Broker

- Queues and Partitioning
- Dedicated Messaging Servers
- Message Segmenting

Integration Security

- Service Operation Security
- Component Interface Security
- Secure Web Services

Tips and Tricks

- Troubleshooting Integrations
- Migrating Integrations
- Best Practices for Common Integration Scenarios