



# Technical Course

## PeopleSoft PeopleTools 8.54 Approval Workflow Engine

Developed for developers, analysts and system admins, PeopleSoft PeopleTools v8.54 Approval Workflow Engine training quickly introduces students to the Approval Workflow Engine functionality. Through scenarios, real-world experiences from implementers, and hands-on activities, students learn how to define and configure approval processes using Workflow.

## Prerequisites:

- PeopleTools Knowledge
- Workflow

## Approval Workflow Engine

- Overview of Approval Framework configuration (by Area)
- Approval Monitor vs. Worklist
- Approval Definitions: Strict vs. Dynamic
- Creating custom routing handlers
- Building new classes to extend existing classes for routing
- Workflow Administration: Centralizing and building in routing
- Using reporting to assist in administration
- Real-time vs. Batch Workflow Processing
- Testing/Tracing Workflow Processing

## Advanced PeopleSoft Integration

- SOA-based architecture review
- Baseline standards: XML, SOAP, HTTP/HTTPS Integration Broker Architecture
- Server Components/Locations
- Gateways
- IB Event PeopleCode: OnNotify, OnSend, OnRequest, OnRoute, OnAckReceive, OnError

## Messages

- Physical Description of the Data
- Types (Rowset/Nonrowset, Container, Message Parts)
- No Processing Logic (this is defined in Service Op Handler, not Messages)
- Creating in PIA (Integration Broker > Integration Setup > Messages) Message Containers
- Message Parts (best with rowset parts)
- Creating Message Containers from parts (always non-rowset)
- Generating XML Schema for the Container
- Example: Creating Account Details Message
- Exporting Services: Using Provide Web Service

## Transformation Engine

- XSLT and Codesets
- Other techniques for transformations Examples
- Validate account (synchronous)
- Get full account list (asynchronous)
- Error Handling Testing Approaches

## Transformation Engine (cont'd)

- Using Handler Tester: Used for generating and testing messages
- Using Send Master Utility

## BI/XML Publisher

- BI Publisher Overview
- Choosing the right data source (XML, Rowset, Query)
- Choosing the right report template (PDF Form, RTF)
- Installing the RTF template builder plugin
- Example 1: Creating an RTF report from Query
- Using the Query Report Viewer
- Example 2: Use PeopleCode to generate rowset and initiate report
- Troubleshooting RTF Templates (Tips and Tricks)
- Advanced RTF techniques using XSL