Agenda

PeopleTools Application Engine

2-Day Course

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Application Engine

Developed developers, analysts and system admins, PeopleSoft PeopleTools Application Engine training quickly introduces students to the PeopleSoft application development leveraging The Application Engine tool. Through scenarios, real-world experiences from implementers, and hands-on activities, students learn how to develop new and modify existing PeopleSoft Application Engine programs.

Prerequisites:

- PeopleTools Knowledge

Introducing Application Engine

- What is Application Engine?
- Benefits of Application Engine
- Application Designer App Engine
- Application Engine structure
- Restartability basics
- Program Summary Structure
- Introducing Sections

State Records

- Introduction to State Records
- State Record Guidelines
- State Records in PeopleCode
- State Records in SQL
- State Records Summary

SQL, Meta-SQL & Log Messages

- Introducing SQL-Based Actions
- SQL-Based Actions & Meta-SQL
- Meta-SQL %Join
- Meta-SQL %InsertSelect
- SQL Definitions
- Log Message Action

Application Engine Testing & Debugging

- Application Engine Testing Tools
- Restartable Application Engines
- Create a Process Definition
- Monitoring Process Status

Do Select Action & Conditional Processing

- Do Select Action & Types
- Cursors
- Do Select Types – Select/Fetch Flow
- Do Select Types – Reselect / Restartable
- Do Select Types – Commits
- Do Select Types – Summary
- Do When, Do While, Do Until
- Multiple Actions in a Step
- Application Engine Libraries
- Do Selection Action & Conditional Processing

PeopleCode & Dynamic Calls

- PeopleCode Actions
- PeopleCode Variables
- Dynamic Section Calls
- Dynamic Call Fields

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Application Engine

Set Processing & Temporary Tables

- Set Processing
- Row-by-Row Processing
- Temporary Tables
- Parallel Processing
- Temporary Table Online Pool
- Implementing Parallel Processing
- Meta-SQL with Parallel Processing
- Application Engine Administration

Measuring Performance Tuning

- Turning on Tracing
- PeopleCode Trace Settings
- Understanding the Trace File
- Measuring Performance & Tuning
- Tuning Perspective
- Program Level Tuning
- Unnecessary Commits

Appendix A

- Application Engine – Command Line Parameters

Appendix B

- Application Engine Action Plug-ins

Recommended Courses

- PeopleTools I & II Accelerated
- PeopleCode I & II Accelerated
- BI Publisher