PeopleSoft Application Developer II: Application Engine & Integration – Exam Study Guide

The PeopleSoft Application Developer II: Application Engine & Integration Exam Study Guide is designed to highlight the training options mapped to each exam topic to guide students in their preparation to pass the PeopleSoft Application Developer II: Application Engine & Integration Exam (1Z0-242).

The exam objectives are defined by learner or practitioner level of knowledge.

Learner-level: questions require the candidate to recall information to derive the correct answer

Practitioner-level: questions require the candidate to derive the correct answer from an application of their knowledge

For each exam topic there have been identified alternative training options that are available at Oracle.

Please note that some of the training recommended can cover multiple exam topics.

The exam covers 37 topics:

PeopleCode

Topic 1: Using PeopleCode Development Tools

Objectives
Debug PeopleCode programs using Debug, trace, and Message Box

Level
Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleCode Rel 8.50

Topic 2: Using PeopleCode Variables

Objectives
Configure variable prompt tables
Instantiate, populate, and access arrays

Level
Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleCode Rel 8.50
Topic 3: Referencing Data in the Component Buffer

Objectives
- Traverse the data buffer to reference multiple occurs levels

Level
- Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleCode Rel 8.50

Topic 4: Creating Custom Objects with Application Classes

Objectives
- Use the Application Class Editor to create and modify application classes
- Convert existing PeopleCode programs to application classes

Level
- Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleCode Rel 8.50

Topic 5: Using Data Buffer Methods

Objectives
- Use standalone rowsets

Level
- Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleCode Rel 8.50

Topic 6: Executing SQL in PeopleCode

Objectives
- Read and modify data tables using the SQL class and Record objects
- Incorporate meta-SQL in PeopleCode and SQL

Level
- Learner
- Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleCode Rel 8.50

Application Engine

Topic 7: Introducing Application Engine Designer
Objectives
Use Application Engine Designer
Read an Application Engine program
Build Application Engine programs
Add markets and filters to an Application Engine program

Level
Learner
Learner
Practitioner
Practitioner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Topic 8: Using State Records

Objectives
Describe the function of state records
Create a state record
Modify Application Engine programs to use state records
Use meta-SQL in Application Engine programs

Level
Learner
Practitioner
Practitioner
Practitioner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Topic 9: Testing and Debugging

Objectives
Use Process Monitor to monitor App Engine programs
Trace Application Engine programs
Debug App Engine programs
Use Restart in App Engine programs

Level
Learner
Practitioner
Practitioner
Practitioner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Topic 10: Using the Do Select Action

Objectives
Use Do Select
Use Restartable

Level
Learner
Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50
**Topic 11: Incorporating Conditional Processing**

**Objectives**
- Define Do actions and explain Do action program flow
- Create conditional statements using SQL
- Use Application Engine libraries

**Level**
- Learner
- Practitioner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

**Topic 12: Using PeopleCode with Application Engine**

**Objectives**
- Insert PeopleCode into an Application Engine program
- Use dynamic calls

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

**Topic 13: Using Set Processing**

**Objectives**
- Modify a program to use set processing

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

**Topic 14: Using Temporary Tables**

**Objectives**
- Implement parallel processing
- Explain run time allocation

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50
Topic 15: Executing Application Engine Programs

Objectives
- Configure a push button to execute an App Engine program
- Execute an Application Engine program with a command script

Level
- Learner
- Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Topic 16: Creating Process Definitions for Application Engine

Objectives
- Configure Process Scheduler to run Application Engine processes

Level
- Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Topic 17: Using PSDAEMON

Objectives
- Create and implement PSDAEMON programs

Level
- Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Topic 18: Measuring Application Engine Performance

Objectives
- Trace Application Engine programs

Level
- Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Topic 19: Tuning Application Engine Programs

Objectives
- Performance tune Application Engine programs

Level
- Learner
Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Application Engine Rel 8.50

Integration Tools

**Topic 20: Introducing PeopleSoft Integration Broker Architecture**

**Objectives**

Describe the components of the PeopleSoft Integration Gateway

**Level**

Learner

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

**Topic 21: Configuring PeopleSoft Integration Broker**

**Objectives**

Configure PeopleSoft Integration Broker
Create and configure nodes

**Level**

Learner
Practitioner

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

**Topic 22: Creating Messages**

**Objectives**

Define service configuration
Create rowset and non-rowset based messages
Use message parts

**Level**

Learner
Practitioner
Practitioner

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

**Topic 23: Creating Service Operations**

**Objectives**

Add and secure service operations
Create and configure queues
Add routings

**Level**

Learner
Practitioner
Practitioner

**Training Options**
Topic 24: Sending and Receiving Service Operations

Objectives
- Publish Service Operations using rowsets
- Create Handlers for asynchronous service operations
- Create handlers for synchronous service operations
- Add handlers

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

Topic 25: Monitoring Service Operations

Objectives
- Monitor asynchronous services
- Monitor synchronous services
- Administer service operations
- Monitor service operation performance and archive monitor data

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

Topic 26: Using Service Utilities

Objectives
- Administer services
- Use the Handler Tester

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

Topic 27: Using the Oracle XSL Mapper

Objectives
- Install and configure JDeveloper
- Create an application engine transform program
- Test transform programs
- Version and logically transform service operations

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50
Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

**Topic 28: Applying Translations and Filtering**

**Objectives**

- Create code sets for data translation
- Write a transformation program for data translation

**Level**

- Learner
- Practitioner

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

**Topic 29: Testing Connector and Messages Using Send Master**

**Objectives**

- Use Sendmaster to test service operation

**Level**

- Learner

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

**Topic 30: Creating and Testing Component Interfaces**

**Objectives**

- Describe the elements of a component interface definition
- Create component interfaces
- Set component interface security and test

**Level**

- Learner
- Practitioner

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

**Topic 31: Implementing Component Interfaces**

**Objectives**

- Add component interface PeopleCode to an application

**Level**

- Learner

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50
# Topic 32: Working with Component Interface Collections

**Objectives**
- Write PeopleCode for component interface collections

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

# Topic 33: Enabling Component Interfaces as Services

**Objectives**
- Use component interfaces as web services

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

# Topic 34: Providing and Consuming Web Services

**Objectives**
- Provide web services
- Consume web services
- Secure web services

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

# Topic 35: Using the Excel to Component Interface Utility

**Objectives**
- Create an application using Excel to Component Interface Utility

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50
Topic 36: Importing Data into the PeopleSoft System Using Flat Files

Objectives
Create file layout definitions
Import data using file layouts

Level
Learner
Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

Topic 37: Writing Data to Flat Files

Objectives
Create application engine programs to export data to flat files
Create multilevel file layouts including segments

Level
Learner
Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft Integration Tools Rel 8.50

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