

PeopleSoft on Oracle Cloud Infrastructure (IaaS/PaaS) 5-Day Course

Agenda

PeopleSoft on OCI (IaaS/PaaS)

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Days 1 and 2: OCI Introduction, PeopleSoft Deployment, Cloud Manager, Lift & Shift

Introduction to Oracle Cloud Infrastructure (OCI):

- Regions and Availability Domains
- Identity and Access Management Service
 - Tenants and Compartments
 - Users and Groups
 - Policies and Resource Locations
 - Global vs Region vs AD
 - Resource Identifier (OCID)
 - LDAP
- Connectivity Options
 - IPsec VPN, FastConnect
- Virtual Cloud Network
 - Basic Networking (private and public networking)
 - DRG, IGW
 - Security Rules, Security Lists
 - Access Control
 - Route Table
- Compute
- Object Storage
- Load Balancer
- Database Cloud Service (DBaaS)
- Oracle and Client Responsibilities

PeopleSoft Deployment on OCI:

- Linux Servers: IaaS
 - AIX Unix vs Oracle Linux (see section for CHW on Oracle Linux considerations)
- Windows Servers: IaaS
- Oracle Database: DBaaS
 - Pluggable Container database architecture
 - PeopleSoft specific database settings
 - System and Demo databases

PeopleSoft Deployment on OCI (continued)

- Deployment Productivity Kits (DPKs)
 - Tuxedo and Weblogic Middleware
 - PeopleTools and Application Install
 - Batch, Application, Web Server domains
 - ElasticSearch
- Remote Desktop Server
 - Client Installation and Windows Networking
- PeopleSoft Installation
 - nVision, MicroFocus Visual COBOL compiler
 - Differences between installing MicroFocus Server Express and Net Express (cloud vs. on-prem)
- PeopleSoft Configuration
 - ElasticSearch
 - File Attachments, IB Connection Settings
 - Report Nodes

PeopleSoft Cloud Manager:

- Cloud Manager Installation and Setup File Server
- Subscribe and Download
- Topologies and Environment Template
- OCI Support on Cloud Manager

SpearMC PeopleSoft CloudShift (Lift and Shift):

- Using Cloud Manager
- SpearMC Lift and Shift with Database Upgrade
 - Create tablespace, user, role, object grants
 - Export NODATA PeopleSoft meta-data
 - Create new pluggable database
 - Import PeopleSoft meta-data
 - Perform DataPump export
 - SFTP export files to OCI
 - Perform DataPump import
 - Create Temporary Tables and Views

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Day 2: Unix vs. Oracle Linux Considerations

- Perl scripts with extensions to support Put/Get from specific ports (as some of our vendors use non-standard ports).
- The Perl scripts include .cron scripts and executables that launch the SQRs, in some cases utilize PGP encryption and send/receive/update data to/from vendors and internal systems.
- PGP encryption.
- crontab file to schedule all of these processes.
- Scripting to delete old log files based on days old.
- Unix commands versus Linux commands/differences.

Day 3: PeopleSoft on OCI Maintenance

OCI Servers:

- Linux OS Patching
- Windows OS Patching
- Oracle Database Cloud Service (DBaaS)
 - OS Patching
 - Oracle Database Patching
 - DBaaS tools update
 - Table space maintenance

Disaster Recovery

- Oracle Database Backup Cloud Service
 - Configuration and monitoring
 - Password reset after expiration
 - Reset Oracle Cloud Storage
 - password after periodic expiration
- Passive architecture in a separate region
- High availability with Oracle RAC

PeopleSoft:

- Log maintenance, clear cache
- Tuxedo patching
- Weblogic patching
- Excel & Word patching
- PUM Maintenance Schedule
- Password Resets

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Day 4: PeopleSoft Update Manager and PeopleSoft on OCI Security Considerations

PUM Overview:

- Types of Patches, old vs new maintenance method

Architecture Overview:

- PUM Image
- Oracle Virtual Box vs Native OS
- PeopleSoft Environment Management
- Framework: Agents, Hub, Viewer
- Lifecycle Tools
- Change Assistant

PUM Environment Maintenance

Strategy:

- Initial Pass and MTP Pass
- Customizations and Retrofitting

Architecture Deployment:

- Client Tools
- Change Assistant Configuration
- Target Database Upload
- PeopleSoft Environment Management
- Framework vs Copy Files Manually

Performing Image Maintenance:

- Define and Apply Change Package
 - Image Maintenance and Tax Updates
 - Patches, Selective Adoption

Security:

- PeopleSoft – Securing Your PeopleSoft Application Environment (Doc ID 747524.1)
 - Security Policies, Models, and Strategies
 - Securing the PeopleSoft Internet Architecture
 - PeopleTools Security Hardening
 - Securing the PeopleSoft Internet Architecture
 - Securing Customized PeopleSoft Applications
 - Strong passwords

Day 5: PeopleSoft Integration Tools

Integration Tools:

- Integration Broker
 - Integration Broker Architecture Deep Dive
 - Configuring Integration Broker
 - Integration Broker Administration and Monitoring
 - Tuning Integration Broker
 - Consuming and Providing Web Services
 - SOAP-Based Web Services
 - RESTful Services
 - JSON and Non-XML Based Messages
 - Using SoapUI to Develop and Test Services
 - Messaging Between PeopleSoft Applications
 - FSCM <-> HCM
 - PeopleSoft Query Access Service (QAS)
 - Advanced Integration Features
 - Integration Security and Tips/Tricks

Web Services

- Testing Service Operations
- Creating Documents
- Managing Formatted Documents
- Populating and Retrieving Document Data
- Document Utilities
- Maintaining Documents
- Document-Based Service Operations
- RESTful Web Services
- REST Service & GET Service Operations
- Handlers for REST Service Operations
- Other HTTP Methods