



PeopleTools Technical Course

PeopleSoft on Oracle Cloud Infrastructure (IaaS/PaaS)



ORACLE

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Education Reseller

Training Agenda

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

Training Agenda

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

Training Agenda

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