



Oracle PeopleSoft (HCM) Multi-Node Installation

Oracle Private Cloud Appliance

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PURPOSE STATEMENT

The document lists the steps involved in creation of environment for Oracle PeopleSoft (HCM) on Oracle Private Cloud Appliance involving multi-tier setup.

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INTRODUCTION

Oracle Private Cloud Appliance (PCA) is the only Oracle Cloud Infrastructure (OCI) compatible Engineered System, providing fast and efficient infrastructure for modern software and business applications. PCA has the same infrastructure constructs with APIs and SDKs compatible with OCI. This enables customers to adopt a – “Develop Once, Deploy Anywhere” approach to rapidly design and develop high performance applications and middleware.

SCOPE AND CONTENT

This document provides a methodology and workflow that solution architects and system administrators can use to ensure that Oracle PeopleSoft is successfully installed and configured.

HCM module has been taken as an example in this qualification exercise and all other PeopleSoft modules are assumed to follow similar configuration steps to complete their installation.

ADVANTAGES OF ORACLE PRIVATE CLOUD APPLIANCE

Oracle Private Cloud Appliance (PCA) is an Oracle Engineered System designed for implementing the application and middleware tiers. PCA is an integrated hardware and software system that reduces infrastructure complexity and deployment time for virtualized workloads in private clouds. It is a complete platform for a wide range of application types and workloads, with built-in management, compute, storage, and networking resources. PCA provides excellent performance and other system properties for hosting a broad range of applications.

Oracle Private Cloud Appliance X9-2 is the latest member of the Oracle Private Cloud Appliance product family. PCA provides cloud and administrative services for a supporting range of workloads including modernized cloud native applications. It makes use of a modern microservices architecture, Kubernetes, and related technologies, for a future-proofed software stack.

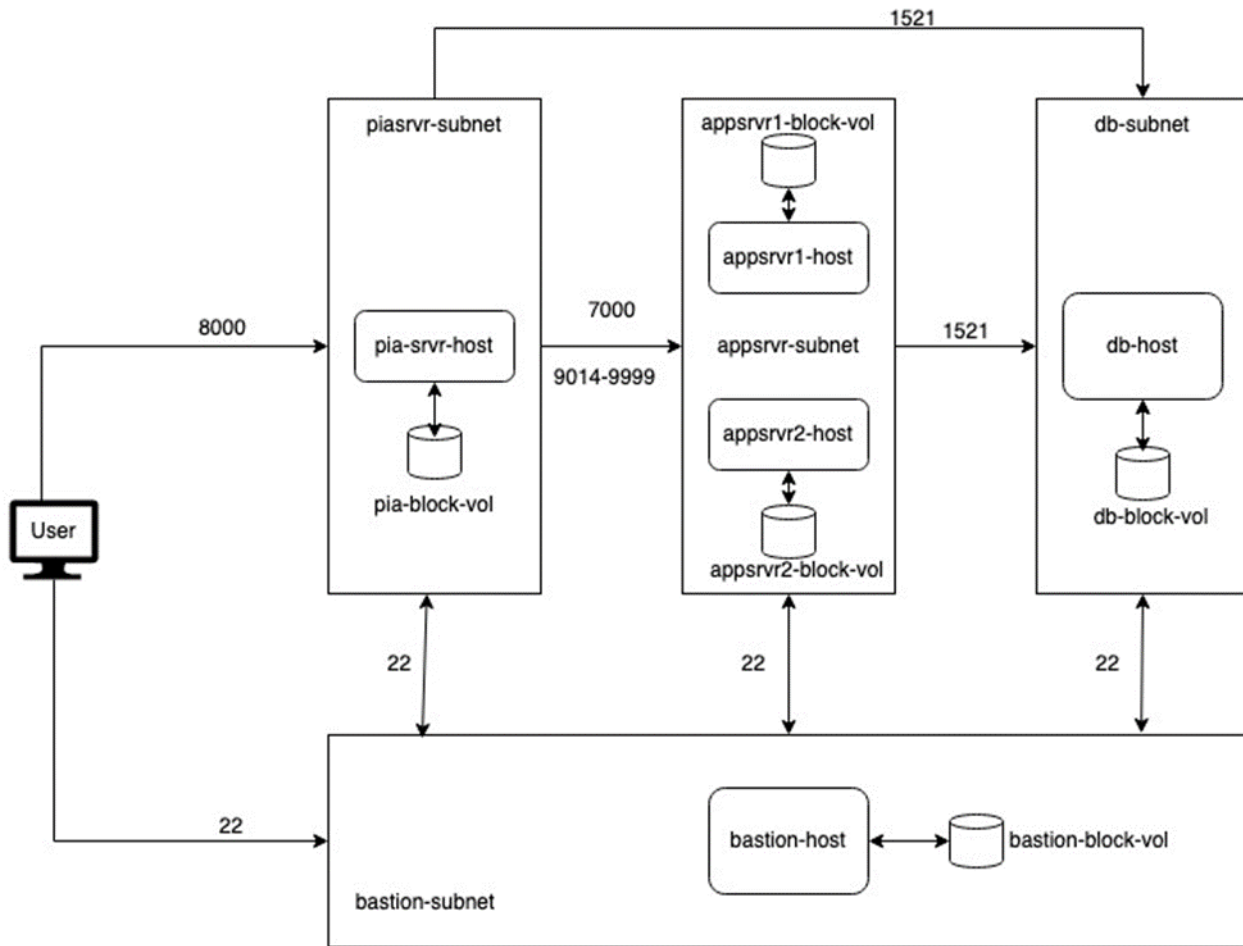
A key new feature of PCA X9-2 compared to previous PCA versions, is that it delivers private cloud infrastructure and architecture consistent with Oracle Cloud Infrastructure (OCI). PCA brings APIs and SDKs compatible with Oracle Cloud Infrastructure (OCI) to an on-premises implementation at rack scale, making workloads, user experience, tool sets and skills portable between private and public clouds. PCA can be paired with Oracle Exadata to create an ideal infrastructure for scalable, multi-tier applications. Customers preferring or requiring an on-premises solution can realize the operational benefits of public cloud deployments using Oracle Private Cloud Appliance X9-2.

ORACLE PEOPLESOFT (HCM) MULTI-NODE INSTALLATION

The document lists the steps involved in creation of the environment to install PeopleSoft (HCM Module) on PCA X9 involving multitier and highly restricted setup.

REFERENCE ARCHITECTURE

The architecture gives a layout of the various resources created for multi-node setup on PCA X9 infrastructure to install on-premises version of PeopleSoft (HCM):



Architecture diagram highlighting resources for multi-node setup for installing PeopleSoft

PREREQUISITES

Create Infrastructure with below resources to achieve setup shown above. If the required infrastructure is not already present, please contact and work with tenancy admin.

- Create Compartment in Tenancy.
- Create VCN in compartment with DNS label (Select Use DNS hostnames in this VCN)
- Create Internet Gateway
- Create Route table for Internet Gateway
- Create NAT Gateway
- Create Route table for NAT Gateway
- Create Security List with ingress/egress rules for each subnet
- Create subnets in vcn with route table /security list/subnet access/ DNS Hostnames
- Create block volumes in compartment
- Generate a public and private key for connecting to compute instance.
- Create compute instances in respective subnets with block volumes, ssh keys, applicable vcn and subnets.
- Place a Web server or reverse proxy server or Load balance in front of pia-server to access the application from browser.

Download applicable software binaries from [Oracle Software Delivery Cloud](#):

Database 19c 19.3.0.0.0

[LINUX.X64_193000_db_home.zip](#)

PeopleSoft Human Capital Management 9.2.0.0.0

PeopleSoft Human Capital Management Documentation 9.2

- [V1019147-01.zip](#) PeopleSoft Human Capital Management 9.2 Online Help (through Update Image 41), 421.7 MB
- [V1021495-01.zip](#) PeopleSoft Human Capital Management 9.2 Supplemental Installation Information - Revision 24, 1019.9 KB

PeopleSoft Human Capital Management 9.2 Update Image 43 for Linux x86-64

- [V1021619-01_1of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 1 of 4, 155.9 MB
- [V1021619-01_2of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 1 of 4, 1.7 GB
- [V1021619-01_3of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 1 of 4, 2.2 GB
- [V1021619-01_4of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 1 of 4, 1.3 GB
- [V1021620-01_1of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 2 of 4, 1.4 GB
- [V1021620-01_2of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 2 of 4, 1.1 GB
- [V1021620-01_3of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 2 of 4, 962.2 MB
- [V1021620-01_4of4.zip](#) PeopleSoft Human Capital Management 9.2 Update Image 43 Disc 2 of 4, 5.1 GB

- [V1021621-01_1of2.zip](#) PeopleSoft Human Capital Management 9.2 Update Image
43 Disc 3 of 4, 3.7 GB
- [V1021621-01_2of2.zip](#) PeopleSoft Human Capital Management 9.2 Update Image
43 Disc 3 of 4, 4.3 GB
- [V1021622-01_1of2.zip](#) PeopleSoft Human Capital Management 9.2 Update Image
43 Disc 4 of 4, 2.9 GB
- [V1021622-01_2of2.zip](#) PeopleSoft Human Capital Management 9.2 Update Image
43 Disc 4 of 4, 2.6 GB

PeopleSoft PeopleTools Documentation

- [V100750-01.zip](#) PeopleSoft PeopleTools - Download Instructions, 65.5 KB

PREPARATION

- Connect to bastion host and mount the block volume

Bastion Setup

```
$ ssh -o ServerAliveInterval=180 -i ~/Desktop/setup/sshkey/<private_key> opc@<bastion-host>
$ df -h $ sudo mkdir /scratch
$ sudo mkfs -t xfs /dev/sdb
$ sudo mount /dev/sdb /scratch
$ sudo chown opc:opc /scratch
$ chmod -R 755 /scratch
$ df -h
$ mkdir -p /scratch/setup
```

- Copy or download all binaries (Database and PeopleSoft) to bastion host.

copy-binaries-to-bastion

```
$ scp -Cr -i ~/Desktop/setup/sshkey/<private_key> ~/Desktop/setup/psft opc@<bastion-host>:/scratch/setup #Copy PeopleSoft binaries from desktop to bastion host
$ scp -Cr -i ~/Desktop/setup/sshkey/<private_key> ~/Desktop/setup/db opc@<bastion-host>:/scratch/setup #Copy Database binaries from desktop to bastion host
```

- Copy all required ssh private keys for private hosts to bastion host.

copy-priv-ssh-keys-to-bastion

```
$ scp -Cr -i <private_key> ~/Desktop/setup/sshkey opc@<bastion-host>:/scratch/setup #Copy SSH Keys for private servers from desktop to bastion host
$ chmod 400 -R /scratch/setup/sshkey/<private_key> #Restrict the permissions on SSH Keys in bastion host before connecting to private hosts.
```

- Connect to db , application servers and pia web server hosts using private keys and mount the block volumes.

compute-instance-setup

```
$ ssh -o ServerAliveInterval=180 -i /scratch/setup/sshkey/<private_key> opc@<db-host> #  
Execute on all private hosts i.e. db/appsrvr/piawebsrvr.  
$ sudo mkdir /scratch  
$ sudo mkfs -t xfs /dev/sdb  
$ sudo mount /dev/sdb /scratch  
$ sudo chown opc:opc /scratch  
$ chmod -R 755 /scratch  
$ df -h  
$ mkdir -p /scratch/setup
```

- Copy the applicable binaries to respective servers from bastion host

copy-binaries-to-compute-instance

```
$ scp -Cr -i /scratch/setup/sshkey/<private_key> /scratch/setup/db opc@<db-  
host>:/scratch/setup #Copy Database binaries from desktop to db host  
$ scp -Cr -i /scratch/setup/sshkey/<private_key> /scratch/setup/psft opc@<db-  
host>:/scratch/setup #Copy PeopleSoft binaries from desktop to db host  
$ scp -Cr -i /scratch/setup/sshkey/<private_key> /scratch/setup/psft opc@<appsrvr-  
host>:/scratch/setup #Copy PeopleSoft binaries from desktop to appsrvr host  
$ scp -Cr -i /scratch/setup/sshkey/<private_key> /scratch/setup/psft opc@<piawebsrvr-  
host>:/scratch/setup #Copy PeopleSoft binaries from desktop to piawebsrvr host
```


INSTALLATION

Database Installation

Note: The below setup steps are for Non-CDB database type of installation. (CDB will involve PDB's and enabling the same in configuration.)

- Using bastion host connect to db compute instance.

connect-to-db-host

```
$ ssh -o ServerAliveInterval=180 -i /scratch/setup/sshkey/<private_key> opc@<db-host>
```

- Get hostname and fully-qualified-hostname of the host and add to /etc/hosts.

db-host-step-1

```
$ hostname
db-host
$ hostname -A
db-host.domain
$ hostname -i
ip
$ sudo vim /etc/hosts
$ cat /etc/hosts
ip db-host.domain db-host          #Verify entry is added to file successfully
```

- If host is behind a corporate proxy set proxy for yum.conf.

db-host-step-2A

```
$ sudo vim /etc/yum.conf          #Add proxy=http://<proxy-host>:<proxy-port> under main
section
```

- Update all packages.

db-host-step-2B

```
$ sudo yum update -y            #Updates all packages installed on OEL
```

- Install Oracle Database preinstall package for 19c.

db-host-step-2C

```
$ sudo yum install -y oracle-database-preinstall-19c  # This will setup groups and user
required for Oracle database installation on OEL
```

- Set secure Linux to permissive.

db-host-step-3A

```
$ sudo vim /etc/selinux/config #Make sure the SELINUX flag is set to 'permissive'
```

- Once the change is complete, restart the server or run the following command.

db-host-step-3B

```
$ sudo setenforce Permissive
```

- If Linux is firewall enabled, then it needs to be disabled or configured.

db-host-step-4

```
$ sudo firewall-cmd --add-port=1521/tcp --permanent
```

```
$ sudo systemctl restart firewalld
```

- Create required directories, copy installer and provide ownership and permissions to user **oracle**.

db-host-step-5

```
$ mkdir -p /scratch/db/app/oracle/product/19.3.0/dbhome_1
```

```
$ mkdir -p /scratch/db/app/oraInventory
```

```
$ mkdir -p /scratch/db/oradata
```

```
$ mkdir -p /scratch/psft # Location used for psft installation  
in this setup on db-host
```

```
$ sudo cp /scratch/setup/db/LINUX.X64_193000_db_home.zip  
/scratch/db/app/oracle/product/19.3.0/dbhome_1
```

```
$ sudo chown -R oracle:oinstall /scratch/db
```

```
$ sudo chown -R oracle:oinstall /scratch/psft
```

- Switch user to oracle then add and source the following variables to user's .bashrc file

db-host-step-6

```
$ sudo su oracle
```

```
$ sudo chmod -R 775 /scratch/db
```

```
$ sudo chmod -R 775 /scratch/psft
```

```
$ cat ~/.bashrc
```

```
# .bashrc
```

```
# Source global definitions
```

```

if [ -f /etc/bashrc ]; then
    . /etc/bashrc
fi

# Uncomment the following line if you don't like systemctl's auto-paging feature:
# export SYSTEMD_PAGER=
# User specific aliases and functions
export ORACLE_HOSTNAME=<fully-qualified-host-name>
export ORACLE_BASE=/scratch/db/app/oracle
export ORACLE_HOME=$ORACLE_BASE/product/19.3.0/dbhome_1
export ORA_INVENTORY=/scratch/db/app/oraInventory
export ORACLE_SID=HCM
export DATA_DIR=/scratch/db/oradata
export PATH=/usr/sbin:/usr/local/bin:$PATH
export PATH=$ORACLE_HOME/bin:$PATH
export LD_LIBRARY_PATH=$ORACLE_HOME/lib:/lib:/usr/lib
export CLASSPATH=$ORACLE_HOME/jlib:$ORACLE_HOME/rdbms/jlib
$ . ~/.bashrc

```

- Navigate to \$ORACLE_HOME and unzip the binaries and remove the bundle.

db-host-step-7

```

$ cd $ORACLE_HOME
$ unzip -oq LINUX.X64_193000_db_home.zip
$ rm -rf LINUX.X64_193000_db_home.zip

```

- Run silent installer.

db-host-step-8

```

$ ./runInstaller -ignorePrereq -waitforcompletion -silent \
-responseFile ${ORACLE_HOME}/install/response/db_install.rsp \
oracle.install.option=INSTALL_DB_SWONLY \
ORACLE_HOSTNAME=${ORACLE_HOSTNAME} \
UNIX_GROUP_NAME=oinstall \
INVENTORY_LOCATION=${ORA_INVENTORY} \
SELECTED_LANGUAGES=en,en_GB \

```

```

ORACLE_HOME=${ORACLE_HOME} \
ORACLE_BASE=${ORACLE_BASE} \
oracle.install.db.InstallEdition=EE \
oracle.install.db.OSDBA_GROUP=dba \
oracle.install.db.OSBACKUPDBA_GROUP=dba \
oracle.install.db.OSDGDBA_GROUP=dba \
oracle.install.db.OSKMDBA_GROUP=dba \
oracle.install.db.OSRACDBA_GROUP=dba \
SECURITY_UPDATES_VIA_MYORACLESUPPORT=false \
DECLINE_SECURITY_UPDATES=true
$ chmod 770 /scratch/db/app/oraInventory
$ exit # Exiting will switch the user back to
opc

```

- Run the root scripts when prompted

db-host-step-9

```

$ sudo /scratch/db/app/oraInventory/orainstRoot.sh
$ sudo /scratch/db/app/oracle/product/19.3.0/dbhome_1/root.sh
$ exit # Exiting will logout from the host

```

Database (Non CDB) Configuration for PeopleSoft HCM

- Using bastion host connect to db compute instance.

connect-to-db-host

```
$ ssh -o ServerAliveInterval=180 -i /scratch/setup/sshkey/<private_key> opc@<db-host>
```

- Unzip the PeopleSoft 1st zip disc image installer.

psft-on-db-host-step-1

```

$ cd /scratch/setup/psft
$ unzip -oq V1021619-01_1of4.zip #Unzip only the first disc image that was marked
blue in prerequisite section

```

- Navigate to setup scripts and execute prereq for non root users as sudo'er/root and provide the response as applicable.

psft-on-db-host-step-2

```
$ cd /scratch/setup/psft/setup
$ sudo ./psft-dpk-setup.sh --prereq #Run the script for two users oracle and opc when prompted
```

- Switch to user oracle and install PeopleSoft software binaries over database and provide the response as applicable.

psft-on-db-host-step-3

```
$ sudo su oracle
$ cd /scratch/setup/psft/setup
$ ./psft-dpk-setup.sh --env_type midtier --deploy_only #Provided the PSFT_BASE as /scratch/psft and this location is used in the document going forward
```

- Copy the init<ORACLE_SID>.ora file to \$ORACLE_HOME/dbs (or create it using sample init.ora present already at the destination location).

psft-on-db-host-step-4

- Create following directories

psft-on-db-host-step-5

```
$ mkdir -p /scratch/db/app/oracle/admin/<ORACLE_SID>/adump
$ mkdir -p /scratch/db/app/oracle/fast_recovery_area
$ mkdir -p /scratch/db/app/oracle/oradata/<ORACLE_SID>
```

- Copy/Create tnsnames.ora in \$ORACLE_HOME/network/admin

psft-on-db-host-step-6

```
$ cd $ORACLE_HOME/network/admin
$ touch tnsnames.ora
$ vim tnsname.ora #Populate the required content
$ cat tnsnames.ora #The content of the file looks similar as shown
<ORACLE_SID> =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP)(HOST = <fully-qualified-host-name>)(PORT = 1521))
    (CONNECT_DATA =
      (SERVER = DEDICATED)
      (SERVICE_NAME = <ORACLE_SID>.<fully-qualified-domain>)
    )
  )
```

- Start listener for the database.

psft-on-db-host-step-7

```
$ lsnrctl start
$ lsnrctl status
```

- Execute the required scripts from PSFT_BASE

psft-on-db-host-step-8

```
$ echo $ORACLE_HOME                #ensure ORACLE_HOME is set
$ echo $ORACLE_SID                 #ensure ORACLE_SID is set
$ cd /scratch/psft/pt/bea/tuxedo/tuxedo12.2.2.0.0
$ . tux.env                        #Source required variables
$ cd /scratch/psft/pt/ps_home8.59.10/
$ . psconfig.sh                    #Source config variables required
```

- Prepare/Copy the response file for database configuration

psft-on-db-host-step-9

```
$ cd /scratch/psft/pt/ps_home8.59.10/setup/PsMpDbInstall
$ cp -rf ora_resp_file.txt psft_resp.txt # copy and edit the psft_resp.txt file for
your required values
```

- Execute the configuration wizard from PSFT_HOME with response file prepared above to finish the configuration.

psft-on-db-host-step-10

```
$ cd /scratch/psft/pt/ps_home8.59.10/setup/PsMpDbInstall
$ ./setup.sh -f <location-to-psft_resp.txt>/psft_resp.txt # File prepared in the above
step
```

```
# Check the logs to ensure installation steps are executed successfully
```

```
$ exit # Logout from oracle and switch to opc
```

- Post configuration edit the "/etc/oratab" file setting the restart flag for each instance to 'Y'.

psft-on-db-host-step-11

```
$ vim /etc/oratab #Insert the following line for you DB in the format with out comment
#<ORACLE_SID>:<ORACLE_HOME>:Y
```

Batch Application Server Installation (with Scheduler)

- Using bastion host connect to application server compute instance(s).

connect-to-appsrvr-host

```
$ ssh -o ServerAliveInterval=180 -i /scratch/setup/sshkey/<private_key> opc@<appsrvr-host>
```

- Get hostname and fully-qualified-hostname of the host and add to /etc/hosts along with db host.

appsrvr-host-step-1

```
$ hostname
```

```
db-host
```

```
$ hostname -A
```

```
db-host.domain
```

```
$ hostname -i
```

```
ip
```

```
$ sudo vim /etc/hosts
```

```
$ cat /etc/hosts
```

```
db-ip db-host.domain db-host          #Verify entry is added for db-host to file  
successfully
```

```
appsrvr-ip appsrvr-host.domain appsrvr-host          #Verify entry is added for  
appsrvr-host to file successfully
```

- If host is behind a corporate proxy set proxy for yum.conf.

appsrvr-host-step-2A

```
$ sudo vim /etc/yum.conf          #Add proxy=http://<proxy-host>:<proxy-port> under main  
section
```

- Update all packages.

appsrvr-host-step-2B

```
$ sudo yum update -y          #Updates all packages installed on OEL
```

- If Linux is firewall enabled, then it needs to be disabled or configured.

appsrvr-host-step-3

```
$ sudo firewall-cmd --add-port=7000/tcp --permanent
```

```
$ sudo firewall-cmd --add-port=9014-9040/tcp --permanent
```

```
$ sudo systemctl restart firewalld
```

- Unzip the PeopleSoft 1st zip disc image installer.

appsrvr-host-step-4

```
$ cd /scratch/setup/psft
$ unzip -oq V1021619-01_1of4.zip #Unzip only the first disc image
that was marked blue in prerequisite section
```

- Navigate to setup scripts and execute prereq for non-root users as sudo'er/root and provide the response as applicable.

appsrvr-host-step-5

```
$ cd /scratch/setup/psft/setup
$ sudo ./psft-dpk-setup.sh --prereq --syscfg #Run the script for user opc
when prompted
```

- Install PeopleSoft software binaries for batch application server and provide the response as applicable. (Read comments for sample input.)

appsrvr-host-step-6

```
$ cd /scratch/setup/psft/setup
$ ./psft-dpk-setup.sh --env_type midtier --domain_type appbatch
# Would you like to proceed with the setup as a non-root user? [y/n]: y
# Enter the full path for the PeopleSoft Base Directory: /scratch/psft
# Are you happy with your answer? [Y|n|q]: Y
# Enter a writable ps_config_home directory for PeopleSoft domains with at least 10.0GB
space [/home/opc/psft/pt/8.59]: /scratch/psft/pt/8.59
# Are you happy with your answer? [Y|n|q]: Y
# Enter the PeopleSoft installation [PUM or FRESH] type [PUM]: FRESH
# Enter the PeopleSoft database platform [ORACLE]: ORACLE -- Data
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
# Is the PeopleSoft database unicode? [Y|n]: Y -- Data
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
# Do you want Multi Language support in PeopleSoft database? [y|N]: N -- Data
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
# Enter the PeopleSoft database name: HCM -- Data
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
```



```

# Enter the PeopleSoft database service name [HCM]: <ORACLE_SID>.<fully-qualified-domain-
db-host>

# Enter the PeopleSoft database host name: <db-host-fully-qualified-hostname>

# Enter the PeopleSoft database port [1521]: 1521

# Enter the PeopleSoft database Connect ID [people]: people
-- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB
Configuration.

# Enter the PeopleSoft database Connect ID [people] password.
-- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB
Configuration.

# Enter the PeopleSoft database Operator ID [PS]: PS
-- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB
Configuration.

# Enter the PeopleSoft database Operator ID [PS] password.
-- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB
Configuration.

# [Optional] Enter a new Application Server Domain connection password.

# Are you happy with your answers? [y|n]: y

# Do you want to continue with the default initialization process? [y|n]: y

```

PIA Web Server Installation

- Using bastion host connect to pia web server compute instance.

connect-to-piawebsrvr-host

```
$ ssh -o ServerAliveInterval=180 -i /scratch/setup/sshkey/<private_key> opc@<piawebsrvr-
host>
```

- Get hostname and fully-qualified-hostname of the host and add to /etc/hosts along with application server(s) and db host.

piawebsrvr-host-step-1

```
$ hostname
```

```
db-host
```

```
$ hostname -A
```

```
db-host.domain
```

```

$ hostname -i

ip

$ sudo vim /etc/hosts

$ cat /etc/hosts

ip db-host.domain db-host #Verify entry is added
for db-host to file successfully

appsrvr-ip appsrvr-host.domain appsrvr-host #Verify entry is added
for appsrvr(s)-host to file successfully

piawebsrvr-ip piawebsrvr-host.domain piawebsrvr-host #Verify entry is added
for appsrvr-host to file successfully

```

- If host is behind a corporate proxy set proxy for yum.conf.

piawebsrvr-host-step-2A

```

$ sudo vim /etc/yum.conf #Add proxy=http://<proxy-host>:<proxy-port> under main
section

```

- Update all packages.

piawebsrvr-host-step-2B

```

$ sudo yum update -y #Updates all packages installed on OEL

```

- If Linux is firewall enabled, then it needs to be disabled or configured.

piawebsrvr-host-step-3

```

$ sudo firewall-cmd --add-port=8000/tcp --permanent
$ sudo systemctl restart firewalld

```

- Unzip the PeopleSoft 1st zip disc image installer.

piawebsrvr-host-step-4

```

$ cd /scratch/setup/psft
$ unzip -oq V1021619-01_1of4.zip #Unzip only the first disc
image that was marked blue in prerequisite section

```

- Navigate to setup scripts and execute prereq for non root users as sudo'er/root and provide the response as applicable.

piawebsrvr-host-step-5

```
$ cd /scratch/setup/psft/setup
```

```
$ sudo ./psft-dpk-setup.sh --prereq --syscfg #Run the script for user opc  
when prompted
```

- Install PeopleSoft software binaries for PIA Web server and provide the response as applicable. (Read comments for sample input.)

piawebs piawebsrvr-host-step-6

```
$ cd /scratch/setup/psft/setup
```

```
$ ./psft-dpk-setup.sh --env_type midtier --domain_type pia
```

```
# Would you like to proceed with the setup as a non-root user? [y/n]: y
```

```
# Enter the full path for the PeopleSoft Base Directory: /scratch/psft
```

```
# Are you happy with your answer? [Y|n|q]: Y
```

```
# Enter a writable ps_config_home directory for PeopleSoft domains with at least 10.0GB  
space [/home/opc/psft/pt/8.59]: /scratch/psft/pt/8.59
```

```
# Are you happy with your answer? [Y|n|q]: Y
```

```
# Enter the PeopleSoft installation [PUM or FRESH] type [PUM]: FRESH
```

```
# Enter the PeopleSoft database platform [ORACLE]: ORACLE -- Data  
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
```

```
# Is the PeopleSoft database unicode? [Y|n]: Y -- Data  
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
```

```
# Do you want Multi Language support in PeopleSoft database? [y|N]: N -- Data  
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
```

```
# Enter the PeopleSoft database name: HCM -- Data  
from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
```

```
# Enter the PeopleSoft database service name [HCM]: <ORACLE_SID>.<fully-qualified-domain-  
db-host>
```

```
# Enter the PeopleSoft database host name: <db-host-fully-qualified-hostname>
```

```
# Enter the PeopleSoft database port [1521]: 1521
```

```
# Enter the PeopleSoft database Connect ID [people]: people  
-- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB  
Configuration.
```

```
# Enter the PeopleSoft database Connect ID [people] password. -  
- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB Configuration.
```

```

# Enter the PeopleSoft database Operator ID [PS]: PS
  -- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB
Configuration.

# Enter the PeopleSoft database Operator ID [PS] password.
  -- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB
Configuration.

# [Optional] Enter a new Application Server Domain connection password.

# Enter the PeopleSoft Web Profile user [PTWEBSERVER] password.
  -- Data from psft_resp.txt created in psft-on-db-host-step-9 while DB
Configuration.

# Enter a new WebLogic Server Admin user [system] password.
  -- Provide your own value

# Enter the PeopleSoft Integration Gateway user [xxxxxx]:
  -- Provide your own user name

# Enter the PeopleSoft Integration Gateway user [administrator] password.      --
Provide your own value

# Enter the PeopleSoft Integration Gateway Keystore password.
  -- Provide your own value

# Enter the Application Server Domain Connections String: <appsvr-host-fully-qualified-
hostname-1>:9033,<appsvr-host-fully-qualified-hostname-2:9033>

# Enter the Process Scheduler Domain Server Name: PRCSDOM

# Are you happy with your answers? [y|n]: y

# Do you want to continue with the default initialization process? [y|n]: y

```

Environment

- URL: <http://<webserver-addr>.com:8000/>
- Username/ Password configured during install

Note: To access the URL with above domain name add below entry in /etc/hosts file <ip-address>
<http://<webserver-addr>.com>

Regarding SSL for PIA, 8443 is the default SSL port in the PIA WebLogic deployment. By default, a test certificate is deployed, which is not appropriate for not-test usage. Please install a valid certificate by following the MOS document:

E-SSL: How to Install/Renew an SSL Certificate on WebLogic for PeopleTools 8.51 - 8.59 (Doc ID 1555672.1)
https://support.oracle.com/epmos/faces/DocumentDisplay?_afLoop=434857013378666&id=1555672.1&_adf.ctrl-state=19p5dr5l8j_52

CONCLUSION

Following the above steps, customers can successfully install Oracle PeopleSoft on Oracle Private Cloud Appliance.

REFERENCES

See these reference documents for additional information:

- [Oracle DB 19c Installation On OEL-7](#)
- [Oracle Private Cloud Appliance Release Notes](#)
- [Oracle Systems Blog](#)

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Oracle PeopleSoft (HCM) Multi-Node Installation
November 2222
Author: Oracle Corporation

