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The Oracle Banking Platform Localization Installation Guide helps the Oracle Banking Platform (OBP) IT deployment teams at OBP development center and onshore implementations at client locations, to install OBP Localization in a UNIX-based environment. The reader is expected to have acquaintance with UNIX platform.

This preface contains the following topics:

- Audience
- Documentation Accessibility
- Organization of the Guide
- Related Documents
- Conventions

**Audience**

This document is intended for the following audience:

- IT Deployment Team
- Consulting Staff
- Administrators

**Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

**Organization of the Guide**

This document contains:
Chapter 1, "Introduction"
This chapter presents an overview of Oracle Banking Platform and the installation guide for US Localization. It also mentions the prerequisites and assumptions that this document has been based upon.

Chapter 2, "Installation Checklist"
This chapter presents a checklist of information, which should be filled and kept handy for the installation.

Chapter 3, "Oracle Banking Platform US Host Media Pack Installation"
This chapter details every step involved in the installation and post installation configuration of Oracle Banking Platform US Host Media pack.

Chapter 4, "Oracle Banking Platform US Presentation Media Pack Installation"
This chapter details every step involved in the installation and post installation configuration of Oracle Banking Platform US Presentation Media pack.

Chapter 5, "Oracle Banking Platform US SOA Media Pack Installation"
This chapter details every step involved in the installation and post installation configuration of Oracle Banking Platform US SOA Media pack.

Chapter 6, "Host DB Schema and PolicyStore Seeding Steps"
This chapter details every step involved in Host DB Schema and PolicyStore Seeding.

Related Documents
For more information, see the following documentation:

- For installation and configuration information, see the Oracle Banking Installation Guide - Silent Installation

Conventions
The following text conventions are used in this document:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>boldface</td>
<td>Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.</td>
</tr>
<tr>
<td>italic</td>
<td>Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.</td>
</tr>
<tr>
<td>monospace</td>
<td>Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.</td>
</tr>
</tbody>
</table>

The following acronyms are used in this document:

<table>
<thead>
<tr>
<th>Acronyms</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB or db</td>
<td>Oracle Database</td>
</tr>
<tr>
<td>HOST</td>
<td>Middleware Host Tier</td>
</tr>
<tr>
<td>LZN</td>
<td>Localization</td>
</tr>
<tr>
<td>OBP</td>
<td>Oracle Banking Platform</td>
</tr>
<tr>
<td>Acronyms</td>
<td>Meaning</td>
</tr>
<tr>
<td>----------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>OES</td>
<td>Oracle Entitlements Server</td>
</tr>
<tr>
<td>sh</td>
<td>UNIX Shell File</td>
</tr>
<tr>
<td>SOA</td>
<td>Service Oriented Architecture Tier</td>
</tr>
<tr>
<td>UI</td>
<td>User Interface, that is Presentation Tier</td>
</tr>
<tr>
<td>US</td>
<td>United States</td>
</tr>
<tr>
<td>VM</td>
<td>Virtual Machine</td>
</tr>
</tbody>
</table>
Oracle Banking Product along with Localization is a one-stop solution for a bank that seeks to leverage Oracle Fusion experience across its core banking operations, across its retail and business banking operations. It provides a unified yet scalable IT solution for a bank to manage its data and end-to-end business operations with an enriched user experience.

This document guides you through the installation of OBP Localization on Oracle Banking Product and the deployment of different parts of the application.

This document does not attempt to guide you through the prerequisites installation. The readers are expected to see the appropriate platform documentation to install the prerequisites.

Due care has been made to make this document as complete as possible. In case of any anomalies please mail to obp-deployment-support@oracle.com.

There are certain steps in the installation that may not be optimal yet. Further releases will optimize the deployment further.

1.1 Prerequisite

Oracle Banking Platform product should be installed on the same machines where the user is running OBP Localization installer. For more information about installing Oracle Banking Product, see the Oracle Banking Platform Installation Guide - Silent Installation.

1.2 Assumptions

It is assumed that the reader is aware of the technologies involved and is capable of installing the prerequisite software products.

The following has been assumed regarding the environment and setup with regard to carrying out the installation:

- The OBP Localization installables are downloaded and copied onto a Linux machine or Linux VM.
- The reader has taken a remote connection to the Linux machine via Windows box.
This chapter details a checklist of information, which should be filled and kept handy to make the installation experience quick and easy. The checklist has been made more intuitive and relevant by ensuring that the key for properties defined in the installation property file is same as ‘Name’ column of the checklist.

<table>
<thead>
<tr>
<th>Sr.No</th>
<th>Name</th>
<th>Description</th>
<th>Example Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DOMAIN_NAME</td>
<td>OBP Product Domain Name</td>
<td>obpdomain</td>
</tr>
<tr>
<td>2</td>
<td>DOMAIN_DIRECTORY_LOCATION</td>
<td>Path where OBP Product Domain is present</td>
<td>/scratch/app/product/fmw/user_projects/domains</td>
</tr>
<tr>
<td>3</td>
<td>WEBLOGIC_USERNAME</td>
<td>WebLogic username</td>
<td>weblogic</td>
</tr>
<tr>
<td>4</td>
<td>WEBLOGIC_PASSWORD</td>
<td>WebLogic password</td>
<td>weblogic1</td>
</tr>
<tr>
<td>5</td>
<td>ADMIN_SERVER_LISTEN_ADDRESS</td>
<td>OBP product admin server IP or Hostname</td>
<td>10.180.84.251</td>
</tr>
<tr>
<td>6</td>
<td>ADMIN_SERVER_LISTEN_PORT</td>
<td>OBP product admin server port</td>
<td>7001</td>
</tr>
<tr>
<td>7</td>
<td>MANAGED_SERVER_LISTEN_ADDRESS</td>
<td>OBP product UI server IP or Hostname</td>
<td>10.180.84.251</td>
</tr>
<tr>
<td>8</td>
<td>MANAGED_SERVER_LISTEN_PORT</td>
<td>OBP product UI server port</td>
<td>8001</td>
</tr>
<tr>
<td>9</td>
<td>HOST_IP</td>
<td>Machine IP where OBP host domain is created</td>
<td>10.180.84.249</td>
</tr>
<tr>
<td>10</td>
<td>HOST_TARGET</td>
<td>OBP Product target folder path, created on Host</td>
<td>/scratch/app/product/fmw/target</td>
</tr>
<tr>
<td>11</td>
<td>HOST_MW_HOME</td>
<td>Middleware path where OBP product installation is done for Host</td>
<td>/scratch/app/product/fmw/</td>
</tr>
<tr>
<td>12</td>
<td>INSTALL_AS</td>
<td>Username to access installation machine</td>
<td>ofssobp</td>
</tr>
<tr>
<td>13</td>
<td>SOA_IP</td>
<td>Machine IP where OBP SOA domain is created</td>
<td>10.180.84.251</td>
</tr>
<tr>
<td>14</td>
<td>SOA_TARGET</td>
<td>OBP Product target folder path, created on SOA machine</td>
<td>/scratch/app/product/fmw/target</td>
</tr>
<tr>
<td>Sr.No</td>
<td>Name</td>
<td>Description</td>
<td>Example Value</td>
</tr>
<tr>
<td>-------</td>
<td>------------------</td>
<td>------------------------------------------------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>15</td>
<td>SOA_MW_HOME</td>
<td>Middleware path where OBP product installation is done for SOA</td>
<td>/scratch/app/product/fmw</td>
</tr>
<tr>
<td>16</td>
<td>UI_IP</td>
<td>Machine IP where OBP UI domain is created</td>
<td>10.180.84.252</td>
</tr>
<tr>
<td>17</td>
<td>UI_TARGET</td>
<td>OBP Product target folder path, created on UI machine</td>
<td>/scratch/app/product/fmw/target</td>
</tr>
<tr>
<td>18</td>
<td>UI_MW_HOME</td>
<td>Middleware path where OBP product installation is done for UI</td>
<td>/scratch/app/product/fmw</td>
</tr>
</tbody>
</table>
This chapter details the steps involved in the installation of Oracle Banking Platform US Host Media pack. It refers to the variable names specified in the checklist Chapter 2, "Installation Checklist".

3.1 Installation and Configuration Procedure

This section details the installation procedure for the Oracle Banking Platform US Host Media Pack.

3.1.1 Preparatory Steps

Following preparatory steps are required for the Oracle Banking Platform US Host Media Pack installation:

1. Shut down the Host managed server, if it is running.
2. Download the appropriate host media pack from the following location:
   http://edelivery.oracle.com/
3. Copy the obp25us-host.zip file to a local Linux VM or Linux machine, from where the installation is performed.
4. Extract the obp25us-host.zip file. Three files are extracted:
   - A zip file obp25installus-host.zip
   - The installation script lznhost.sh
   - The install configuration property file lznhost.properties
5. Take a printout of the installation checklist mentioned in Chapter 2, "Installation Checklist" of this document and note the values applicable for each point in the last column for 'Value' so that the same is handy during the actual installation.

3.1.2 Installation Steps

Following installation steps are required for Oracle Banking Platform US Host Media Pack installation:

1. Navigate to the directory where the obp25us-host.zip, lznhost.sh, and lznhost.properties files are placed and update lznhost.properties file with relevant values from the checklist.
2. Before initiating installation on OBP product, check the following:
- No processes are running on the ports in HOST and OES machine given in `installobphost.properties`.
- Target folder should have OBP product installables.
- Values in `lznhost.properties` file should be correct. At run time no option is given to change them.

3. Initiate the installation by executing the `lznhost.sh` shell script.

The installation script shall echo the values entered in the properties file and ask for a confirmation to go ahead with the installation.

A sample output is shown in Figure 3–1.

![Host Media Pack Installation - Verify Properties](image)

**Figure 3–1  Host Media Pack Installation - Verify Properties**

4. Verify the values of each property carefully before proceeding.

5. Enter ‘Y’ or ‘y’ and then press ‘Enter’ to proceed. The installation utility performs the installation silently.

To abort and exit the installation process, press any key and press ‘Enter’.
After extracting the installables, the domain is installed and a confirmation message appears as shown in Figure 3–3.
The above domain configuration process creates `deploylznhost.sh` and `deploylznhost.py` files in HOST_MW_HOME location. These files are used to perform post installation configuration as elaborated in Section 3.2, "Post Installation and Configuration Procedure".

### 3.2 Post Installation and Configuration Procedure

Following post installation steps are required for the Oracle Banking Platform US Host Media Pack installation:

1. Start the domain admin WebLogic server by executing the `startWebLogic.sh` script in the host domain directory.

   Following are the commands provided to assist:
   ```
   cd <middleware home>
   cd user_projects/domains/obphostdomain
   ./startWebLogic.sh
   ```

2. Enter the username and the password to ensure that the WebLogic server starts.
3. After the server status changes to RUNNING, proceed to execute the post
installation script for Host domain located under middleware.
This script deploys OBP Localization specific libraries on to Host server.

4. Navigate to the middleware home and list the files in the directory.
A post installation and configuration script named `deploylznhost.sh` is listed
along with other files and directories.

5. Execute the script using the following command:

```
./deploylznhost.sh
```

The output shown here is a sample output. (It may vary slightly from the original
output):
After completion of Host post installation, it will return to command prompt.

6. Start the admin and managed server to check deployment status.
This chapter details the steps involved in the installation of Oracle Banking Platform US Presentation (UI) Media pack. It refers to the variable names specified in the checklist Chapter 2, “Installation Checklist”.

4.1 Installation and Configuration Procedure

This section details the installation procedure for the Oracle Banking Platform US Presentation Media Pack.

4.1.1 Preparatory Steps

Following preparatory steps are required for the Oracle Banking Platform US Presentation Media Pack installation:

1. Shut down the UI managed server, if it is running.
2. Download the appropriate presentation media pack from the following location:
   http://edelivery.oracle.com/
3. Copy the obp25us-ui.zip file to a local Linux VM or Linux machine, from where the installation is performed.
   Three files are extracted: namely a zip file obp25installus-ui.zip, the installation script lznui.sh, and the install configuration property file lznui.properties.
5. Take a printout of the installation checklist mentioned in Chapter 2, "Installation Checklist" of this document and note the values applicable for each point in the last column for ‘Value’, so that the same is handy during the actual installation.

4.1.2 Installation Steps

Following installation steps are required for the Oracle Banking Platform US Presentation Media Pack installation:

1. Navigate to the directory where the obpinstall-ui.zip, installobpui.sh, and installobpui.properties files are placed and update installobpui.properties file with relevant values from the checklist.
2. Before initiating installation on OBP product, check the following:
   - No processes are running on the ports in HOST given in lznhost.properties.
3. Initiate the installation by executing the `lznui.sh` shell script.

The installation script shall echo the values entered in the properties file and ask for a confirmation to go ahead with the installation.

A sample output is shown in Figure 4–1.

4. Verify the values of each property carefully before proceeding.

5. Enter ‘Y’ or ‘y’ and then press ‘Enter’ to proceed. The installation utility performs the installation silently.

To abort and exit the installation process, press any key and press ‘Enter’.
The above domain configuration process creates `deploylznui.sh` and `deploylznui.py` files in UI_MW_HOME location. These files are used to perform post installation configuration as elaborated in Section 4.2, "Post Installation and Configuration Procedure".

## 4.2 Post Installation and Configuration Procedure

Following post installation steps are required for the Oracle Banking Platform US Presentation Media Pack installation:

1. Start the domain Admin WebLogic server by executing the `startWebLogic.sh` script in the host domain directory.

   Following are the commands provided to assist:

   ```bash
   cd <middleware home>
   cd user_projects/domains/obpuidomain
   ./startWebLogic.sh
   ```

2. Enter the username and the password to ensure that the WebLogic server starts.
3. After the server status changes to RUNNING, proceed to execute the post installation script.

4. Navigate to the middleware home and list the files in the directory.
   A post installation and configuration script named `deploylznhost.sh` is listed along with other files and directories.

5. Navigate to the UI middleware location and give executable permission to the post install script:
   ```bash
   cd <ui middleware home>
   ```

6. Execute the script using the following commands:
   ```bash
   ./.deploylznhost.sh
   ```

---

*Figure 4–4  Presentation Media Pack Installation - Start Post Installation*
Post Installation and Configuration Procedure

Figure 4–5  Presentation Media Pack Installation - Completion of Post Installation

Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.

Post-Installation will begin in 30 seconds...

Post-Installation Complete
This chapter details the steps involved in the installation of Oracle Banking Platform US SOA (Integration Server) Media pack. It refers to the variable names specified in the checklist Chapter 2, "Installation Checklist”.

5.1 Installation and Configuration Procedure

This section details the installation procedure for the Oracle Banking Platform SOA Media Pack.

5.1.1 Preparatory Steps

Following preparatory steps are required for the Oracle Banking Platform US SOA Media Pack installation:

1. Shut down the SOA managed servers (soa and human task servers), if they are running.
2. Download the appropriate SOA media pack from the following location:
   http://edelivery.oracle.com/
3. Copy the obp25us-soa.zip file to a local Linux VM or Linux machine, from where the installation is performed.
   Three files are extracted: namely a zip file obp25installus-soa.zip, the installation script lznsoa.sh, the install configuration property file lznsoa.properties.
5. Take a printout of the installation checklist mentioned in Chapter 2, "Installation Checklist" of this document and note the values applicable for each point in the last column for ‘Value’ so that the same is handy during the actual installation.

5.1.2 Installation Steps

Following installation steps are required for the Oracle Banking Platform US SOA Media Pack installation:

1. Navigate to the directory where the obp25us-soa.zip, lznsoa.sh, and lznsoa.properties files are placed and update lznsoa.properties file with relevant values from the checklist.
2. Before initiating installation, check the following:
- All values given in `lznsoa.properties` are correct. At run time, there is no option to change them.
- Target folder should have OBP product installables.
- No processes are running on the ports given in `lznsoa.properties` file.

**Note:** At the time of installation, the values entered in the `lznsoa.properties` file are displayed only once for verification, and it will not be possible to change the values after the installation begins.

3. Initiate the installation by executing the `lznsoa.sh` shell script.
   The installation script shall echo the values entered in the `lznsoa.properties` file and ask for a confirmation to go ahead with the installation.
   A sample output is shown in Figure 5–1.

   *Figure 5–1 SOA Media Pack Installation - Verify Properties*

4. Verify the values of each property carefully before proceeding.
5. Enter ‘Y’ or ‘y’ and then press ‘Enter’ to proceed. The installation utility performs the installation silently.
   To abort and exit the installation process, press any key and press ‘Enter’.
5.2 Post Installation and Configuration Procedure

Following post installation steps are required for the Oracle Banking Platform US SOA Media Pack installation:

1. Start the Oracle Banking Platform SOA domain admin WebLogic server by executing the `startWebLogic.sh` script in the domain directory.

Following are the commands provided to assist:

```
cd <middleware home>
cd user_projects/domains/obpsoadomain
./startWebLogic.sh
```

2. Enter the username and the password when prompted.

3. After SOA admin server is running, proceed to execute the post installation script `deploylznsoa.sh`.

4. Navigate to the middleware location and give executable permission to the post install script:

```
$cd <soa middleware home>
```

5. Execute the script using the following commands:

```
$./deploylznsoa.sh
```

A sample output is given here:
Figure 5–3 SOA Media Pack Installation - Start Post Installation

Please test your time and go through the information guides above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
Figure 5–4  SOA Media Pack Installation - Completion of Post Installation
After completion of post installation for all domains, you can start the Host DB and PolicyStore Seeding.

### 6.1 Host DB Schema Seeding

Following are the steps to perform Host DB Schema Seeding:

1. Copy the ‘seed’ and ‘ddl’ folder from $HOST_TARGET location to any machine where ‘sqlplus’ is available.
2. Open command prompt and navigate to ‘ddl’ and ‘seed’ folder in the local machine where it is copied.
3. Run the following scripts using the actual details of OBP Product Host DB schema which was created during installation of OBP Product.

   ```
   PROMPT> sqlplus schemauser/password@TNSEntryOfDB @ddl.sql
   Example: Assume that the ddl is being executed from 'D:\ddl' folder of a Windows machine having sqlplus console available for execution of sql commands and scripts.
   C:> D:
   C:> cd D:\ddl
   D:\ddl > sqlplus DEV15_OBP_HOST@welcome1@OBPDB
   SQL>@ddl.sql
   ```

   When OBP DB Table creation is completed, the control returns to the SQL prompt.

   ```
   PROMPT> sqlplus schemauser/password@TNSEntryOfDB @seed.sql
   Example: Assume that the seed is being executed from 'D:\seed' folder of a Windows machine having sqlplus console available for execution of sql commands and scripts.
   C:> D:
   C:> cd D:\seed
   D:\seed > sqlplus DEV15_OBP_HOST@welcome1@OBPDB
   SQL>@seed.sql
   ```
When OBP DB Seeding is completed, the control returns to the SQL prompt.

**Note:** The sequence of executing these scripts should be `ddl.sql`, and then `seed.sql`

### 6.2 PolicyStore Seeding

No change in PolicyStoreSetup utility. Please follow localization specific instructions in the PIT readme.txt packaged in the LZN media-pack

```
[ofssobbp@ofss3131462 install]$ cd /scratch/install/target/PolicyStoreSetup
[ofssobbp@ofss3131462PolicyStoreSetup]$ ./seedFeshPolicyStore.sh
```