Oracle® Banking Platform Collections and Recovery DBA Guide Release 2.9.0.0.0

F23392-01

November 2019



Oracle Banking Platform Collections and Recovery DBA Guide, Release 2.9.0.0.0

F23392-01

Copyright © 2011, 2019, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

Preface	5
Audience	5
Documentation Accessibility	. 5
Conventions	5
1 Oracle Database Application	. 7
1.1 Installing Application Database Blueprint	7
1.1.1 Prerequisite	7
1.2 Multi-platform based Installation	. 8
1.2.1 Framework Installation	8
1.2.2 Collection and Recovery Application Blueprint Installation or Upgrade	.12
1.3 Windows Based Installation	.14
1.3.1 Framework Installation	.15
1.3.2 Collection and Recovery Application Blueprint Installation or Upgrade	.19
1.4 Tasks Performed by CDXDBI	.22
2 Day Zero Script Execution	.25
3 Day Zero Script Execution for US Localization	. 27
4 Database Initialization Parameters	. 31

List of Figures

Figure 1–1 Extracted Multiplatform-Oracle-Database.zip	8
Figure 1–2 Input file example for Linux	10
Figure 1–3 Input file example for Windows	10
Figure 1–4 Command line input	
Figure 1–5 Framework hotfix db_patch_standalone.jar	11
Figure 1–6 Framework hotfix db_patch_standalone.jar for Linux	12
Figure 1–7 Framework hotfix db_patch_standalone.jar for Windows	12
Figure 1–8 Input file example for Linux	14
Figure 1–9 Input file example for Windows	14
Figure 1–10 Command line input	14
Figure 1–11 Extracted Windows-Oracle-Database.zip	15
Figure 1–12 Framework Blueprint Installation	17
Figure 1–13 Framework hotfix db_patch_standalone.jar	17
Figure 1–14 Executing Framework Hotfix	18
Figure 1–15 Executing Framework Hotfix after confirmation	19
Figure 1–16 Executing Collection and Recovery Blueprint	21
Figure 1–17 Processing Collections_Interaction.sql	
Figure 2–1 Executing Masterfile.sql	25
Figure 2–2 Execution Result	26
Figure 3–1 Day Zero folder for US Localization	27
Figure 3–2 Day Zero folder for US Localization execution	
Figure 3–3 Day Zero folder for US Localization execution	

Preface

This document describes the initial installation of the Oracle Banking Collections and Oracle Banking Recovery Application Database blueprints on an existing Oracle Banking Platform core 2.9.0.0.0 database.

This preface contains the following topics:

- Audience
- Documentation Accessibility
- Conventions

Audience

This document is intended for the following:

- Consulting Staff
- Administrators

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/us/corporate/accessibility/index.html.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/us/corporate/accessibility/support/index.html#info or visit http://www.oracle.com/us/corporate/accessibility/support/index.html#trs if you are hearing impaired.

Conventions

The following text conventions are used in this document:

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

1 Oracle Database Application

This chapter explains the Oracle Database Application Installation process.

The artifacts required for the initial installation of the Oracle Banking Collections and Oracle Banking Recovery application are available in Windows-Oracle-Database.zip. This zip file contains the scripts and utilities that you will run in order to complete the installation process.

1.1 Installing Application Database Blueprint

1.1.1 Prerequisite

- Oracle Database server and Oracle Client software are installed (if the following steps are performed from a remote machine).
- OBP 2.9.0.0.0 schema is available in the same instance of Oracle database.
- Blueprint Application can be executed from any platform that supports java.
- JAVA should be above or same as jdk1.8.0_172 version.
- Oracle Client should be installed.

Database Role and User Creation

- Need DBA access to create below roles and users.
- Create the CIS_USER and CIS_READ roles on target DB using the following commands:
 - CREATE ROLE CIS_USER;
 - CREATE ROLE CIS_READ;
- Create the CISADM, CISUSER, and CISREAD users on target DB using the following commands:

CREATE USER CISUSER PROFILE DEFAULT IDENTIFIED BY CISUSER DEFAULT TABLESPACE <TABLESPACE_NAME> TEMPORARY TABLESPACE TEMP;

GRANT SELECT ANY TABLE TO CISUSER;

GRANT CIS_USER TO CISUSER;

GRANT CIS_READ TO CISUSER;

GRANT CONNECT TO CISUSER;

CREATE USER CISREAD IDENTIFIED BY CISREAD DEFAULT TABLESPACE <TABLESPACE_NAME> TEMPORARY TABLESPACE TEMP;

GRANT SELECT ANY TABLE TO CISREAD;

GRANT CIS_READ TO CISREAD;

GRANT CONNECT TO CISREAD;

Installing Application Database Blueprint can be performed in two ways:

- Multi-platform based installation
- Windows based installation

Choose one of the installation options depending on the available platform.

1.2 Multi-platform based Installation

- 1. Create a folder with the name COLLECTION_HOME and a subfolder COLLECTION_DB inside the COLLECTION_HOME folder.
- 2. Copy Multiplatform-Oracle-Database.zip in the folder COLLECTION_DB.
- Unzip Multiplatform-Oracle-Database.zip.
 <COLLECTION_HOME>\COLLECTION_DB\Multiplatform-Oracle-Database\ contains following sub folders which are referred to in the installation process mentioned below:
 - FW: Used for Framework installation and Framework hot fixes.
 - COLLECTION: Used for Collection and Recovery application blueprint installation, and Collection and Recovery application upgrade.

Figure 1–1 Extracted Multiplatform-Oracle-Database.zip

/scratch/COLLECTION_HOME/COLLECTION_DB/Multiplatform-Oracle-Database				
Name	Size			
Le rw Collection				

Need DBA grants to the <DB_USER>

Execute the below sql with sysuser for accessing grants to <DB_USER>

<COLLECTION_HOME>\COLLECTION_DB\ Multiplatform-Oracle-Database\COLLECTION\Database_Creation\Grants\Grants.sql

Blueprint Installation is divided into two steps:

- a. Framework Installation
- b. Collection and Recovery Application Blueprint Installation or Upgrade

1.2.1 Framework Installation

This installation is carried out only once when the environment is being created.

1. Before starting Blueprint installation, keep the below parameters ready.

Table 1–1 Parameters

Parameters	Values
Target database	<database name=""></database>
Database username	<db_user></db_user>
Database Password	<database password="" user=""></database>
Location for Java Home (For example, C:\Java\jdk1.8.0_ 172) must be higher than jdk1.8.0_172	<java installation="" path=""></java>
Oracle user with read-write privileges to Database Schema	CISUSER
Oracle user with read-only privileges to Database Schema	CISREAD
Database role with read-write privileges to Database Schema	CIS_USER
Database role with read-only privileges to Database Schema	CIS_READ
Database Schema name	<schema name=""></schema>
Tablespace name	<tablespace name=""></tablespace>

2. Editing the **Storage.xml** file is required if blueprint is going to be executed from windows machine. If blueprint is going to be executed from Linux machine there is no need to update **Storage.xml** file. This file contains tablespace information for all the tables and indexes that the utility will create. It must be created by the release team and edited by the customers to match their own requirements. This file has the following format:

<TABLESPACE>CISTS_01</TABLESPACE>

Change the Tablespace name which is in this format

```
<TABLESPACE>SAMPLE_NAME</TABLESPACE>
```

3. Navigate to the installation path as specified below:

cd <COLLECTION_HOME>\COLLECTION_DB\Multiplatform-Oracle-Database\FW\FW43010\Install-Upgrade

- 4. Input to blueprint utility can be provided in two ways:
 - File based input
 - a. Create file in current directory or update input_sample.txt file as shown below:

Input file format :

-d jdbc:oracle:thin:@<DBserverIP>:<DBServer Port>/<SID>,<DbUser>,<password>,<Oracle user with read-write privileges to Database Schema>,<Oracle user with read-only privileges to Database Schema>,<database role with read-write privileges to Database Schema>,<database role with read-only privileges to Database Schema>,<name of the target Schema where you want to install or upgrade>

- -l <LoadParFile1,LoadParFile2>
- -j <JDKpath>
- -q < for silent execution of blueprint >

Figure 1–2 Input file example for Linux



Figure 1–3 Input file example for Windows



b. Open prompt and execute command as shown below:

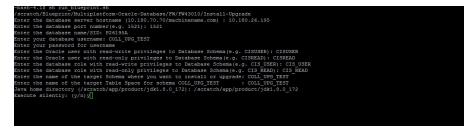
For Windows : > run_blueprint.cmd -i <filename> -t <Table Space name>

For Linux : \$ run_blueprint.sh -i <filename> -t <Table Space name>

Command line input

a. Open prompt and execute run_blueprint.cmd or run_blueprint.sh

Figure 1–4 Command line input



Utility will perform the necessary steps to install OUAF framework blueprint

- 5. Check the installation logs for any error in log directory in current path.
- 6. After Framework Installation, run **Hotfixes for Framework**. Perform the following steps to apply or install hotfixes:
- 7. Navigate to Hotfix path:

<COLLECTION_HOME>\COLLECTION_DB\Multiplatform-Oracle-Database\FW\FW43010\FW43010-HFix

Follow the below steps to apply framework hotfix patches on DB:

- a. Create a directory named dbpatch_tools in the TEMPDIR directory.
- b. Copy the db_patch_standalone.jar file from Hotfix path to the dbpatch_tools directory.
- c. Decompress the JAR file using the following command:

cd TEMPDIR\dbpatch_tools

jar -xvf db_patch_standalone.jar

Artifacts can be seen in below screenshot.

Figure 1–5 Framework	hotfix db pate	h standalone.jar

/scratch/COLLECTION_HOME/COLLECTION_DB/dbpatch_tools				
Name	Size			
🐌				
\mu lib				
\mu config				
\mu bin				
db_patch_standalone.jar	4,971 KB			

Table 1–2 Hot-fix input Details

Details	Values
Enter the target database type	Enter as O for oracle database
Enter the username that owns the schema	<db_user></db_user>
Enter the password for the <username> user</username>	<database password="" user=""></database>
Enter the name of the Oracle Database Connection String	<db_server:dbport:oracle_ SID></db_server:dbport:oracle_

d. Set the TOOLSBIN environment variable using the following command in command prompt:

Go to <COLLECTION_HOME>\COLLECTION_DB\Multiplatform-Oracle-Database\FW\FW43010\FW43010-HFix

e. Execute the ouafDatabasePatch.cmd utility.

For Windows : > ouafDatabasePatch.cmd

For Linux : \$ ouafDatabasePatch.sh

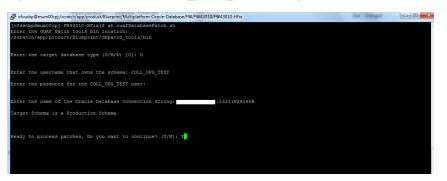
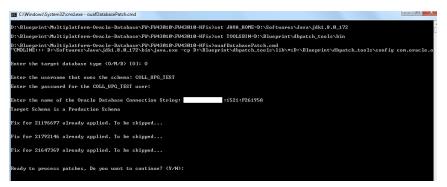


Figure 1–6 Framework hotfix db_patch_standalone.jar for Linux

Figure 1–7 Framework hotfix db_patch_standalone.jar for Windows



1.2.2 Collection and Recovery Application Blueprint Installation or Upgrade.

For complete Oracle Banking Collections and Oracle Banking Recovery application blueprint installation or upgrade, follow the below steps:

Navigate to path:

<COLLECTION_HOME>\<COLLECTION_DB>\Multiplatform-Oracle-Database\COLLECTION\Upgrade\Oracle\Install-Upgrade

 Editing the Storage.xml file is required if blueprint is going to be executed from windows machine. If blueprint is going to be executed from Linux machine there is no need to update Storage.xml file. This file contains the tablespace information for all the tables and indexes that the utility will create. This file should be created by the release team and edited by the customers to match their own requirements. This file has the following format:

<TABLESPACE>CISADM</TABLESPACE>

Change the Tablespace name which is in this format

<TABLESPACE>SAMPLE_NAME</TABLESPACE>

Note

It is important to know that the tablespace information is used only when the new objects are created.

2. Before starting installation, keep the below parameters ready:

Table 1–3 Parameters

Parameters	Values
Target database	<database name=""></database>
Database username	<db_user></db_user>
Password username	<database password="" user=""></database>
Location for Java Home (For example, C:\Java\ jdk1.8.0_172) must be higher than jdk1.8.0_172	<java installation="" path=""></java>
Oracle user with read-write privileges to Database Schema	CISUSER
Oracle user with read-only privileges to Database Schema	CISREAD
Database role with read-write privileges to Database Schema	CIS_USER
Database role with read-only privileges to Database Schema	CIS_READ
Database Schema name	<schema name=""></schema>
Tablespace name	<table name="" space=""></table>

3. Go to the below installation path:

Cd <COLLECTION_HOME>\COLLECTION_DB\Multiplatform-Oracle-Database\COLLECTION\Upgrade\Oracle\Install-Upgrade

- 4. Input can be provided in two ways:
 - File based input
 - a. Create file in current directory or update input_sample.txt file as shown below:

Input file format :

-d jdbc:oracle:thin:@<DBserverIP>:<DBServer Port>/<SID>,<DbUser>,<password>,<Oracle user with read-write privileges to Database Schema>,<Oracle user with read-only privileges to Database Schema>,<database role with read-write privileges to Database Schema>,<database role with read-only privileges to Database Schema>,<name of the target Schema where you want to install or upgrade>

- -l <LoadParFile1,LoadParFile2>
- -j <JDKpath>
- -q <for silent execution of blueprint >

Figure 1–8 Input file example for Linux



Figure 1–9 Input file example for Windows



b. Open prompt and execute command as shown below:

For Windows : > run_blueprint.cmd -i <filename> -t <Table Space name>

For Linux : \$ run_blueprint.sh -i <filename> -t <Table Space name>

- Command line input
 - a. Open prompt and execute run_blueprint.cmd or run_blueprint.sh

Figure 1–10 Command line input

-bash-4.1\$ sh run blueprint.sh
/scratch/Blueprint/Multiplatform-Oracle-Database/FW/FW43010/Install-Upgrade
Enter the database server hostname (10.180.70.70/machinename.com) :
Enter the database port number(e.g. 1521): 1521
Enter the database name/SID: P26195A
Enter your database username: COLL_UPG_TEST
Enter your password for username
Enter the Oracle user with read-write privileges to Database Schema(e.g. CISUSER): CISUSER
Enter the Oracle user with read-only privileges to Database Schema(e.g. CISREAD): CISREAD
Enter the database role with read-write privileges to Database Schema(e.g. CIS_USER): CIS_USER
Enter the database role with read-only privileges to Database Schema(e.g. CIS_READ): CIS_READ
Enter the name of the target Schema where you want to install or upgrade: COLL_UPG_TEST
Enter the name of the target Table Space for schema COLL_UPG_TEST : COLL_UPG_TEST
Java home directory (/scratch/app/product/jdk1.8.0_172): /scratch/app/product/jdk1.8.0_172
Execute silently: (y/n)y

Utility will perform the necessary steps to install Collection and Recovery application blueprint.

5. Check the installation logs for any error in log directory in current path.

Installing Application Database Blueprint is completed successfully.

6. Follow Day Zero Script Execution and Day Zero Script Execution for US Localization.

1.3 Windows Based Installation

Follow the steps below to install application database blueprint:

- 1. Create a folder COLLECTION_HOME and a subfolder COLLECTION_DB inside the COLLECTION_ HOME folder.
- 2. Copy Windows-Oracle-Database.zip in the folder COLLECTION_DB.
- 3. Unzip Windows-Oracle-Database.zip at the location where you want to unzip the installer on the

Windows machine.

<COLLECTION_HOME>\COLLECTION_DB\ Windows-Oracle-Database\ contains following sub folders which are referred to in the installation process mentioned below.

- **FW**: Used for Framework installation and Framework hot fixes
- COLLECTION: Used for Collection and Recovery application blueprint installation, and Collection and Recovery application upgrade

Figure 1–11 Extracted Windows-Oracle-Database.zip

ENCOLLECTION	HOME COLLECTION	DB\Windows-Ora	cle-Datab	ase				P	
00 H .	· COLLECTION_DB · V	Vindows-Oracle-Datab	base +		• 🛵 Search V	Andows-Oracle	Dotabase	ç.	
Elle Edit View Organize • 1	v Tools Help Include in library •	Share with *	Burn h	lerw folder			-	111	
Pavorites	Name			Date modified -	Туре	Size			
Libraries	PW COLLECTION			10/3/2016 12:55 PM 10/3/2016 12:54 PM	File Folder File folder				
Computer									
Na Patwork									

Need DBA grants to the <DB_USER>

Execute the below sql with sysuser for accessing grants to <DB_USER>

<COLLECTION_HOME>\COLLECTION_DB\Windows-Oracle-Database\COLLECTION\Database_Creation\Grants\Grants.sql

Blueprint Installation is divided into two steps:

- 1. Framework Installation
- 2. Collection and Recovery Application Blueprint Installation or Upgrade

1.3.1 Framework Installation

This installation will be carried out only once when the environment is being created.

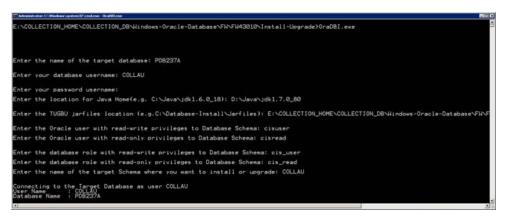
1. Before starting Blueprint installation, keep the below parameters ready.

Table 1–4 Parameters

Parameters	Values
Target database	<database name=""></database>
Database username	<db_user></db_user>
Password username	<database password="" user=""></database>
Location for Java Home (For example, C:\Java\ jdk1.8.0_ 172) must be higher than jdk1.8.0_172	<java installation="" path=""></java>
Enter the TUGBU jar files location	<collection_ HOME>\COLLECTION_ DB\Windows-Oracle- Database\FW\FW43010\jarfiles</collection_
Oracle user with read-write privileges to Database Schema	CISUSER
Oracle user with read-only privileges to Database Schema	CISREAD
Database role with read-write privileges to Database Schema	CIS_USER
Database role with read-only privileges to Database Schema	CIS_READ

- Edit the Storage.xml file. This file contains the tablespace information for all the tables and indexes that the utility will create. This file should be created by the release team and edited by the customers to match their own requirements. This file has the following format: <TABLESPACE>CISTS_01</TABLESPACE> Change the Tablespace name which is in this format <CISTS01>
- 3. Open Windows command prompt.
- Execute below command to go to the installation path: cd <COLLECTION_HOME>\COLLECTION_DB\Windows-Oracle-Database\FW\FW43010\Install-Upgrade
- 5. For Framework installation, use **OraDBI.exe** command. <**COLLECTION_HOME**>\COLLECTION_DB\Windows-Oracle-Database\FW\FW43010\Install-Upgrade>OraDBI.exe

Figure 1–12 Framework Blueprint Installation



- a. After using OraDBI.exe command, utility will prompt for parameters mentioned in first step.
- b. Utility will ask for confirmation at various stages during installation. Type Y and continue installation.
- c. Utility will perform the necessary steps to install OUAF framework blueprint.
- d. Check the installation logs for any error.
- 6. After Framework Installation, run **Hotfixes for Framework**. Perform the following steps to apply install hotfixes.

Path of the Hotfix folder:

<COLLECTION_HOME>\COLLECTION_DB\Windows-Oracle-Database\FW\FW43010\FW43010-HFix

Follow the below steps to apply framework hotfix patches on DB:

- a. Create a directory named dbpatch_tools in the TEMPDIR directory.
- b. Copy the db_patch_standalone.jar file to the dbpatch_tools directory.
- c. Decompress the JAR file using the following command:

cd TEMPDIR\dbpatch_tools

jar -xvf db_patch_standalone.jar

Artifacts can be seen in below screenshot.

Figure 1–13 Framework hotfix db_patch_standalone.jar

00	New Volume (D:) + Collection_Mediapack_250	2 · COLLECTION_HOME · COL	LECTION_DB + dbpate	h_tools +	- 🐖
File Edit View Organize •		New folder			
Favorites	Name *	Date modified	Type	Size	Ĵ
E Desktop	🔒 bin	9/17/2015 10:19 PM	File folder		
Downloads	🗼 config	9/17/2015 10:19 PM	File folder		
📃 Recent Plac	👔 lib	9/17/2015 10:39 PM	File folder		
Libraries	📒 db_patch_standalone.jar	9/30/2016 5:53 PM	WinRAR archive	4,971 KB	

d. Set the TOOLSBIN environment variable using the following command in command prompt.

e. Go to <COLLECTION_HOME>\COLLECTION_DB\Windows-Oracle-Database\FW\FW43010\FW43010-HFix

f. Execute the ouafDatabasePatch.cmd utility

At starting point, it will ask the Database string type as below:

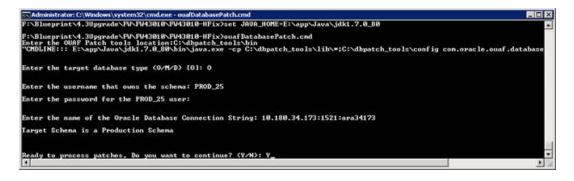
Table 1–5 Database String Type Details

Details	Values
Enter the target database type	Enter as O for oracle database
Enter the username that owns the schema	<db_user></db_user>
Enter the password for the <username> user</username>	<database password="" user=""></database>
Enter the name of the Oracle Database Connection String	<db_server:dbport:oracle_ SID></db_server:dbport:oracle_

Note

Ensure that you execute the **ouafDatabasePatch** utility from the Window 32-bit or 64-bit desktop that has Oracle Database Client 12.1.0.2 (32-bit) and Java Development Kit Version 7.0 installed. The database must be listed in the tnsnames.ora file on your local machine.

Figure 1–14 Executing Framework Hotfix



After confirming to continue, hotfix installation will continue as depicted in below screenshot.

Figure 1–15 Executing Framework Hotfix after confirmation

Administrator: C:\Windows\system32\cmd.exe	
Copying language information	
Patch 21196697 applied successfully at 08-22-2016 12:28:27	
Applying 21792146	
Writing to log file: ora34173001\log21792146.log	
Copying language information	
Patch 21792146 applied successfully at 88-22-2816 12:28:39	
Patch applied successfully	
F:\Blueprint\4.3Upgrade\FV\FV43818\FV43818-HFix>	v
1074	% انت

1.3.2 Collection and Recovery Application Blueprint Installation or Upgrade

For complete Oracle Banking Collections & Oracle Banking Recovery application blueprint installation or upgrade, follow the below steps.

Blueprint path:

<COLLECTION_HOME>\<COLLECTION_DB>\Windows-Oracle-Database\COLLECTION\Upgrade\Oracle\Install-Upgrade

1. Edit the **Storage.xml** file. This file contains the tablespace information for all the tables and indexes that the utility will create. This file should be created by the release team and edited by the customers to match their own requirements. This file has the following format:

<TABLESPACE>CISADM</TABLESPACE>

Change the Tablespace name which is in this format

<TABLESPACE>SAMPLE_NAME</TABLESPACE>

Note

It is important to know that the tablespace information is used only when the new objects are created.

2. Before running CDXDBI.exe command make sure you have the below parameter values ready with

you. The utility will prompt you to enter values for the following parameters to start the installation.

Table 1–6 Parameters

Parameters	Values
Target database	<database name=""></database>
Database username	<db_user></db_user>
Password username	<database password="" user=""></database>
Location for Java Home (For example, C:\Java\ jdk1.8.0_ 172) must be higher than jdk1.8.0_172	<java installation="" path=""></java>
Enter the TUGBU jar files location	<collection_ HOME>\COLLECTION_ DB\Windows-Oracle-Database\ COLLECTION\jarfiles</collection_
Oracle user with read-write privileges to Database Schema	CISUSER
Oracle user with read-only privileges to Database Schema	CISREAD
Database role with read-write privileges to Database Schema	CIS_USER
Database role with read-only privileges to Database Schema	CIS_READ

Note

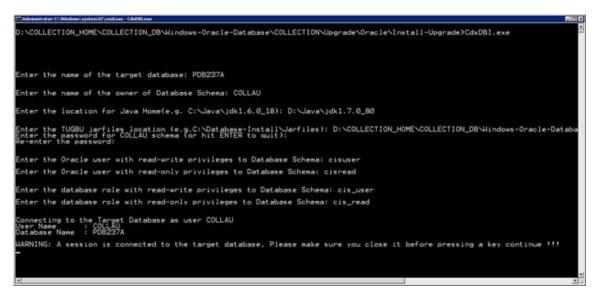
You can execute the CDXDBI.exe only on Windows machine.

- 3. To run the CdxDbi.exe command, open Windows command prompt.
- 4. Go to the below installation path:

Cd <COLLECTION_HOME>\COLLECTION_DB\Windows-Oracle-Database\COLLECTION\Upgrade\Oracle\Install-Upgrade

5. Now run CdxDBI.exe command.





- 6. The utility at this point is ready to perform the initial install and prompts you for permission to start the process.
- 7. If you choose to continue, CDXDBI first checks for the existence of each of the users specified and prompts for their password (if applicable), default tablespace, and temporary tablespace, if they do not exist.
- 8. After setting up the roles and users, the utility continues upgrading schema and system data definitions. If an error occurs while executing an SQL or another utility, it logs and displays the error message and allows you to re-execute the current step.
- 9. This utility populates the schema with the initial install data. If an error occurs while executing an SQL or another utility, it logs and displays the error message and allows you to re-execute the current step.





- a. After using CdxDBI.exe command, utility will prompt for parameters mentioned in first step.
- b. Utility will ask for confirmation at various stages during installation. Type **Y** and continue installation.
- c. Utility will perform the necessary steps to install Collection and Recovery application blueprint.
- d. Check the installation logs for any error. Installing Application Database Blueprint is completed successfully.
- e. Follow Day Zero Script Execution and Day Zero Script Execution for US Localization.

1.4 Tasks Performed by CDXDBI

CDXDBI performs the following tasks:

- Interacts with the user to collect information about the name of Oracle account that will own the application schema (for example, CISADM1), password of this account, password of the SYSTEM account in the database, the name of the Oracle account that the application user will use (for example, CISUSER), the name of the Oracle account that will be assigned read-only privileges to the application schema (for example, CISREAD), the name of read-write role in the Oracle database (for example, CIS_USER), and the name of read-only role in the Oracle database (for example, CIS_USER), and the name of read-only role in the Oracle database (for example, CIS_READ).
- 2. Connects to the database as SYSTEM account, checks whether the user already has the application schema installed to verify whether this is an initial installation.
- 3. Verifies whether the tablespace names already exist in Storage.xml file (If not, the process aborts).
- 4. Installs the schema, installs the system data, and configures security.
- 5. Maintains upgrade log tables in the database.
- 6. Updates release ID when the upgrade is completed successfully.

7. If an error occurs while executing a SQL script or another utility, it logs and displays the error message and allows you to re-execute the current step. Log files CDXDBI###.log are created in the same folder as CDXDBI and contains all the SQL commands executed against the database along with the results. The log files are incremental so that the results are never overwritten. If warning messages are generated during the upgrade, CDXDBI prompts the user at the end of the process. Users should check the log files to verify the warning messages. Warning messages are only alerts and do not necessarily mean that a problem exists.

2 Day Zero Script Execution

This activity is to be performed only for Blueprint installation and not for Incremental upgrade. Once CDXDBI.exe utility completes its work, execute the following SQL file on the database. <COLLECTION_HOME>\<COLLECTION_DB>\Windows-Oracle-Database\Upgrade\Oracle\Install-Upgrade\MASTERFILE.sql

Figure 2–1 Executing Masterfile.sql

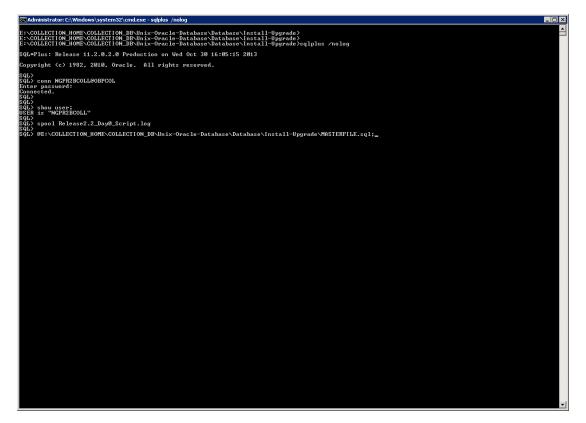
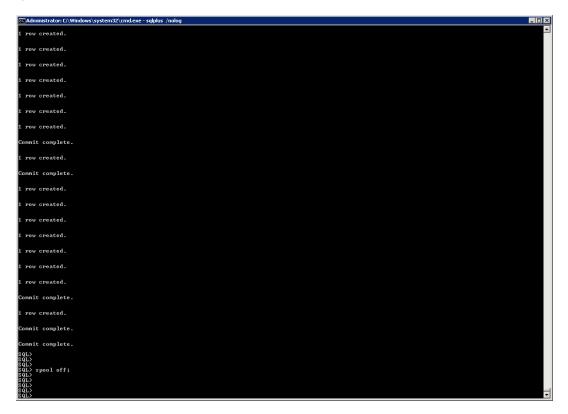


Figure 2–2 Execution Result



After successful execution, check the log (spool) file.

3 Day Zero Script Execution for US Localization

This activity is to be performed only for Blueprint installation and not for Incremental upgrade.

Once Masterfile.sql script execution is completed, follow the steps mentioned below if localization installation is to be done.

- 1. Unzip OBEC_LZUS_Database.zip which is available in OBP 2.9.0.0.0 LZ US media pack.
- 2. Navigate to unzipped folder.

Figure 3–1 Day Zero folder for US Localization

OBEC_LZUS_Database\Day0Scripts				
<u>V</u> iew <u>T</u> ools <u>H</u> elp				
▼ Include in library ▼ Share with ▼	New folder			
Name	Date modified	Туре	Size	
길 ddl	11/7/2017 12:32 PM	File folder		
🌗 dml	11/7/2017 12:32 PM	File folder		
LZN_US_MASTERFILE.sql	11/6/2017 5:25 PM	SQL File	1 KB	

3. Execute the following SQL file on the database.

LZN_US_MASTERFILE.sql

Figure 3–2 Day Zero folder for US Localization execution

ew Volume (D:) ▼ OBEC_LZUS_Database ▼ Day				 	
	OScripts 👻				
q					
Burn New folder					
ame *	Date modified	Туре	Size		
🔓 ddi	11/6/2017 5:25 PM	File folder			
📙 dml	11/6/2017 5:25 PM	File folder			
LZN_US_MASTERFILE.sql			1 KB		
racle Database 12c Enterprise Fith the Partitioning, OLAP, A QL> QD:\OBEC_LZUS_Database\Da					

 Tow created.

 I row created.

 Commit complete.

 I row created.

 I row created.

 Commit complete.

 I row created.

 Commit complete.

 I row created.

 I row created.

 Commit complete.

 I row created.

 Commit complete.

 Commit complete.

 Commit complete.

 Streated.

 Streated.

 Streated.

 <tr

Figure 3–3 Day Zero folder for US Localization execution

4 Database Initialization Parameters

The recommended Initialization Parameters are mentioned below. These parameters are a starting point for database tuning. An optimal value for a production environment may differ from one customer deployment to another.

db_block_size=8192 log_checkpoint_interval=10000 db_file_multiblock_read_count=8 transactions=3000 open_cursors=1200 optimizer_index_cost_adj=1 optimizer_index_caching=100 session_cached_cursors=50 trace_enabled=FALSE db_files=1024 dbwr_io_slaves=10 (Only if Asynchronous IO is not Supported) sessions=1528