

# Oracle Financial Services Data Integration Application Pack

## Cloning Reference Guide

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## Preface

The purpose of this document is to serve as a reference material to OFSDI administrators with detailed steps to setup an OFSDI instance 'Clone' for the 8.0.x.0.0 release.

## Background

There is a consistent need for a faster and effective approach of replicating an existing OFSDI instance for further project developments, that is, setting up OFSDI instances that are exact copies of the current OFSDI instance.

## Assumptions

This document assumes a working Source OFSDI 8.0.x.0.0 instance is in place. It also assumes an appropriate Target system exists for the new OFSDI setup that is being created.

## Audience

This reference guide is intended for administrators and implementation consultants who are responsible for cloning OFSDI instance.

## Conventions and Acronyms

Conventions	Description
Source	A source OFSDI system
Target	A target OFSDI system
8.0	The OFSDI 8.0.x.0.0 release
Configuration Schema (Config Schema)	Database schema which contains setup related configurations and metadata.
Atomic Schema	Database schema where the application data model is uploaded.

# 1 Setting Up an OFSDI Instance ‘Clone’ for 8.0.x Release

## 1.1 Prerequisites

The documented steps in the subsequent sections should be followed only after the following prerequisites are in place:

### 1.1.1 General

- FTP/ SFTP service should be running on the OFSAA Target system. User credentials to be available prior to the subsequent activities.

### 1.1.2 Source System

1. All DIH objects should be in Unpublished state.
2. All OFSAA services are brought down.
3. Database connection details such as RAC/ NON-RAC URL, SID/ Service Name, User credentials etc are available.

### 1.1.3 Target System

1. All basic software required for installation of OFSAA applications (including infrastructure) are installed and working on the machine identified as the Target OFSAA instance. You can use the “Environment Check” utility to verify the system readiness.

For details on Software and Hardware Requirements, refer the respective OFSAA Application Pack Installation and Configuration Guide available in [OTN](#).

For details on usage of Environment Check Utility, refer [OFS Analytical Applications Environment Check Utility Guide](#).

2. Web Server and Web Application Server are configured. For details on how to configure, refer *Appendix A* in the [OFS AAI Application Pack Installation and Configuration Guide 8.0](#).
3. OFSAA installation folder is identified as `$FIC_HOME` with permissions 750. For example, `/scratch/ofsaanew/OFSAA`
4. OFSAA staging/ metadata repository folder is identified as “ftpshare” with permissions 775. For example. `/scratch/ofsaanew/ftpsharenew`
5. Database connection details such as RAC/ NON-RAC URL, SID/ Service Name, and User credentials are available.

**NOTE:** Ensure a new database instance is created that is different from the database instance used in the Source OFSAA instance.

6. Web Server/ Web Application Server identified for the deployment of OFSAA applications is installed and configured on the machine identified as the Web Server/ Web Application Server.

**NOTE:** If you intend to use the same Web Application Server, ensure you create a separate profile (Websphere) or domain (Weblogic).

7. Details of Websphere profile/ Weblogic Domain/ Tomcat context to be available.

## 1.2 Cloning Steps

Before initiating DIH Cloning activity, ensure OFSAAI Cloning is completed. For OFSAAI Cloning, refer [OFSAA Cloning reference Guide release 8.0](#). Perform the following steps for DIH Cloning Activity:

1. Login to the cloned setup atomic schema and update the following table FSI\_DS\_B  
Update the column DB\_CONN for row where ds\_code = '<INFODOM\_NAME>' and IND\_CHANGE=' T' with new database server IP/hostname.

DS_ID	DS_CODE	DSTYP_ID	DB_CONN
1	207678	Load_Result_EDS	7 jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2
2	208606	2ndfebEDS_2	1
3	208420	DRMSRCFILE_TETSING	1
4	203160	DIHINFO	4 jdbc:oracle:thin:@//10.184.153.230:1521/OFSDI
5	206860	TESTSYN	4 jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2
6	207459	Test1_EDS	4 jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2
7	208602	2ndFEB_EDS	1
8	200042	DRM_SRC_FILES	1
9	200043	OBP_STAGE_SRC	4 jdbc:oracle:thin:@SOURCEIP:PORT:SID
10	200044	FAH_STAGE_SRC	4 jdbc:oracle:thin:@OFSAADBIP:PORT:SID
11	200045	FCUBS_STAGE_SRC	4 jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2
12	207062	TEST_EDS	4 jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2
13	207080	TESTEXT	4 jdbc:oracle:thin:@//whf00alg.in.oracle.com:1521/OFSDI
14	207683	Test2_EDS	4 jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2
15	208480	TESTEXT1	4 jdbc:oracle:thin:@//whf00alg.in.oracle.com:1521/GLDCPY80
16	208500	EDS_QA_DIHATM81	4 jdbc:oracle:thin:@//whf00alg.in.oracle.com:1521/OFSDI

Figure 1

2. Update the DB\_USER column in FSI\_DS\_B table where ds\_code = '<INFODOM\_NAME>' and IND\_CHANGE=' T' with new atomic schema name.
3. Update DB\_PWD column in FSI\_DS\_B table where ds\_code = '<INFODOM\_NAME>' and IND\_CHANGE=' T' with new atomic schema password in encrypted format with newly generated key.

4. Update DB\_PWD column in FSI\_DS\_B table for all other rows to null (excluding the previous row).

DS_ID	DS_CODE	DSTYP_ID	DB_CON	DB_USR	DB_PWD			
1	207678	Load_Result_EDS	...	7	jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2	DFSA1203READ	...	null
2	208606	2ndfebEDS_2	...	1	...	...	...	null
3	208420	DRMSRCFILE_TETSING	...	1	...	...	...	null
4	203160	DIHINFO	...	4	jdbc:oracle:thin:@//10.184.153.230:1521/OFSDI	ALG_DIHATM	...	9m+NRwYmsnmmdGE+dFQvjQ==
5	206860	TESTSYN	...	4	jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2	DFSA1203READ	...	null
6	207459	Test1_EDS	...	4	jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2	DFSA1203READ	...	null
7	208602	2ndFEB_EDS	...	1	...	...	...	null
8	200042	DRM_SRC_FILES	...	1	...	...	...	null
9	200043	DBP_STAGE_SRC	...	4	jdbc:oracle:thin:@SOURCEIP:PORT:SID	USER	...	null
10	200044	FAH_STAGE_SRC	...	4	jdbc:oracle:thin:@OFSAADBIP:PORT:SID	DFSA1203READ	...	null
11	200045	FCUBS_STAGE_SRC	...	4	jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2	DFSA1203READ	...	null
12	207062	TEST_EDS	...	4	jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2	DFSA1203READ	...	null
13	207080	TESTXT	...	4	jdbc:oracle:thin:@//whf00alg.in.oracle.com:1521/OFSDI	DIHATM8	...	null
14	207683	Test2_EDS	...	4	jdbc:oracle:thin:@//whf00alo.in.oracle.com:1521/FC122DB2	DFSA1203READ	...	null
15	208480	TESTXT1	...	4	jdbc:oracle:thin:@//whf00alg.in.oracle.com:1521/GLDCPY80	TOMATM	...	null
16	208500	EDS_QA_DIHATM81	...	4	jdbc:oracle:thin:@//whf00alg.in.oracle.com:1521/OFSDI	QA_DIHATM81	...	null

Figure 2

5. Update ODI\_PASSWORD and SCHM\_PASSWORD in FSI\_ODI\_SETTING table to null.
6. Navigate to `ficweb/webroot/WEB-INF/props` in the cloned setup and update the `DIHWSDetails.conf` file. Update the PORT property to new port number as per availability.
7. Create the war and redeploy the same into the webserver. For more information on generating and deploying EAR / WAR file, refer to the Post Installation Configuration section in [Oracle Financial Services Data Integration Installation Manual Release 8.0.1](#)
8. Login to the application and navigate to **Data Integration Hub -> Administration -> Settings**.
9. Launch the ODI details screen and update the details (jdbc url and agent url) with new IP address and click **Save**.

**NOTE:** The ODI Project Name and Folder Name, to which the Cloned Environment would be pointed, should be same as the Source.

10. Import the following Knowledge modules and procedure to ODI:
  - a. Obtain the following XMLs from `$FIC_HOME/KM_Files`:
    - KM\_IKM\_MultiFiles\_to\_Oracle SQLLDR Direct\_Target.xml
    - KM\_IKM\_MultiFiles\_to\_Oracle SQLLDR\_with\_EBCDIC Direct\_Target.xml
    - KM\_IKM\_Oracle\_Insert\_Only.xml
    - KM\_IKM\_Oracle\_Insert\_Only Ext\_Tab\_and\_DB\_.xml
    - KM\_IKM\_Oracle\_Multi\_Table\_Insert\_\_SQLLDR Direct\_Target.xml

- KM\_IKM\_Oracle\_Multi\_Table\_Insert\_\_SQLLDR\_with\_EBCDIC\_Direct\_Target.xml
  - KM\_IKM\_Oracle\_Multi\_Table\_Insert\_NonDirect.xml
  - KM\_IKM\_Oracle\_Multi\_Table\_Insert\_NonDirect\_Ext\_Tab\_and\_DB\_.xml
  - KM\_LKM\_MultiFiles\_to\_Oracle\_EXTERNAL\_TABLE\_.xml
  - KM\_LKM\_MultiFiles\_to\_Oracle\_SQLLDR.xml
  - KM\_LKM\_MultiFiles\_to\_Oracle\_SQLLDR\_with\_EBCDIC\_.xml
  - KM\_LKM\_MultiFiles\_to\_Oracle\_Multi\_Insert\_\_EXTERNAL\_TABLE\_.xml
  - KM\_LKM\_MultiFiles\_to\_Oracle\_Multi\_Insert\_\_SQLLDR.xml
  - KM\_LKM\_MultiFiles\_to\_Oracle\_Multi\_Insert\_\_SQLLDR\_with\_EBCDIC\_.xml
  - KM\_LKM\_Oracle\_to\_Oracle\_\_DBLINK\_No\_Source\_View\_.xml
  - KM\_LKM\_Oracle\_to\_Oracle\_Multi\_Insert\_\_DBLINK\_No\_Source\_View\_.xml
  - KM\_LKM\_XML\_to\_Oracle.xml
  - KM\_LKM\_XML\_to\_Oracle\_Multi\_Table\_Insert.xml
  - KM\_IKM\_Oracle\_Extract.xml
  - KM\_LKM\_Oracle\_to\_Oracle\_Datapump\_DBLINK\_.xml
- b. **Procedure:** Edit the TRT\_Recon.xml and replace the value `DIH_OFSAATOMIC` with `INFODOM` name and import into ODI.
- c. Obtain the following XMLs from standard ODI installation directory.
- KM\_LKM\_File\_to\_SQL.xml
  - KM\_IKM SQL to File Append.xml
  - KM\_LKM SQL to Oracle.xml
  - KM\_CKM\_Oracle.xml

11. Resave all the EDS with new IP/hostname (if applicable).

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**NOTE:** For all the EDS, where passwords are there, enter the password and resave even if there is no change in the EDS details. For file type EDS, data files path should be correct as per the ODI that is mapped to the cloned environment. Ensure data files are copied to the mentioned path.

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12. Perform Target Datastore Refresh.

13. Publish the Connectors and execute them.



Oracle Financial Services Data Integration Application Pack  
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