Oracle Financial Services CRR

Cloning Guide

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OFS Compliance Regulatory Reporting Cloning Guide

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Document Control

Version Number	Revision Date	Change Log
1.0	December 2024	The first release of CRR Cloning Guide.

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1 Preface

The purpose of this document is to serve as a reference material to CRR administrators with detailed steps to setup a CRR instance "Clone" for the 8.1.1.x release.

1.1 Background

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

1.2 Prerequisites

- Refer Oracle Financial Services Compliance Regulatory Reporting Application Pack Installation Guide for the pre-requisite and software configuration details.
- Before starting the Cloning process, the software version, including the OS, should match with the existing software.
- Supporting files are attached in this pdf. To download the supporting files, open the document in Adobe Acrobat DC and click Attachment icon at the extreme left side of the pdf screen.

1.3 Assumptions

This document assumes a working CRR instance is in place. It also assumes an appropriate target system exists for the new CRR setup that is being created. There is an ecosystem that is already build and exists in the target environment.

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

1.4 Audience

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

1.5 Conventions and Acronyms

Table 1: Conventions and Acronyms

Conventions	Description
Source	**A Source CRR system**
Target	A target CRR system
8.1.1.x	The CRR 8x 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.

2 Cloning Steps

Follow below instructions to clone a Compliance Regulatory Reporting (CRR) environment.

2.1 CRR database Backup and Restore (DBA TASK)

1. Take schema backup of the target environment to be cloned.
2. Export Config schema followed by Atomic schema from the source database.
3. Ensure all the Source objects along with necessary grants imported into the target database
4. Import the schema dump of the source database to the Target database. Ensure importing the Config schema first followed by Atomic schema
5. Request you to maintain both source and target infrastructure with same configuration, that is, CRR server configuration, Database configuration and WebSphere. See Install guide for pre-requisite.
6. Execute the below Schema_level_Grants.sql script by login as SYSDBA user and provide necessary Config & atomic schema name.

> **NOTE** Click Attachment icon at the extreme left side of the pdf screen to download the Schema_level_Grants.sql.

7. Validate the imported objects and ensure objects are valid using the custom Script created by DBA.

2.2 CRR File system Export on Source Server (SYSADMIN TASK)

Place the File_system_export.zip outside OFSCRR in the Source Environment. Unzip the same and configure Environment_Configuration.cfg text file (instructions for filling the same given in the Environment_Configuration_ReadMe.txt).

```
SRC_ENV=<SIT1>
EXTRACT_DT=<20181025>
TGT_PWD=<scb@123>
TGT_USR_ID=<ecmhcb2>
TGT_IP=<10.20.174.74>
TGT_DEST_PATH=</aml/ecm2/>
```

NOTE Click Attachment icon at the extreme left side of the pdf screen to download the Environment_Configuration_cfg_ReadMe text file.

1. Navigate to the unzipped folder and execute below command

   chmod 755 *

   dos2unix *

2. Execute the script ofsaa_filesystem_util.sh (in Source environment) in background to export the Source file system.

   This script File System Export (Environment_Configuration.cfg Environment_Configuration_ReadMe.txt, ofsaa_filesystem_util.sh) - will extract the Source objects and transfer to the remote server target path.

NOTE

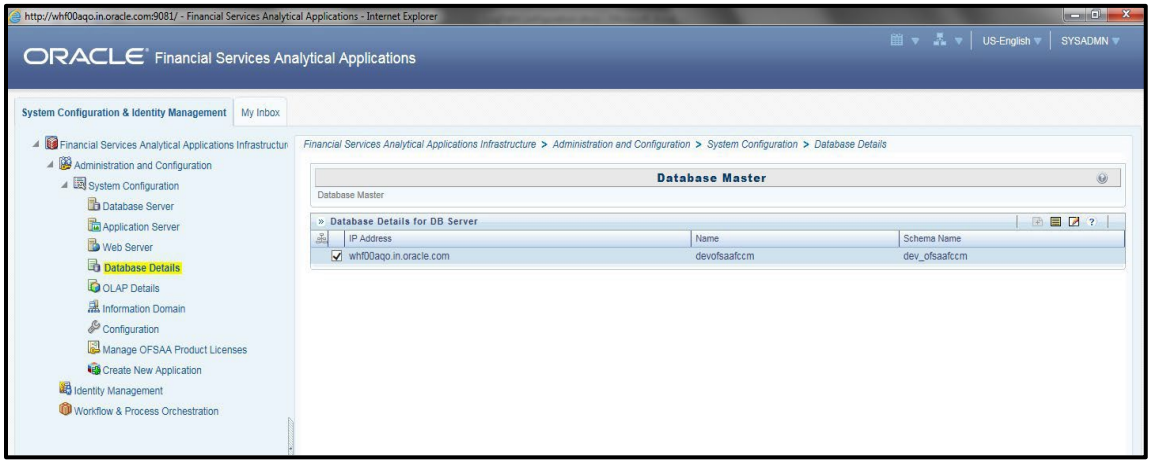
- Click Attachment icon at the extreme left side of the pdf screen to download the File System Export (Environment_Configuration.cfg, Environment_Configuration_ReadMe.txt, ofsaa_filesystem_util.sh)
- Environment_Configuration.cfg file is attached in the PDF as Environment_Configuration.cfg.txt. Download the attachment and rename the file as Environment_Configuration.cfg.

2.3 CRR Cloning

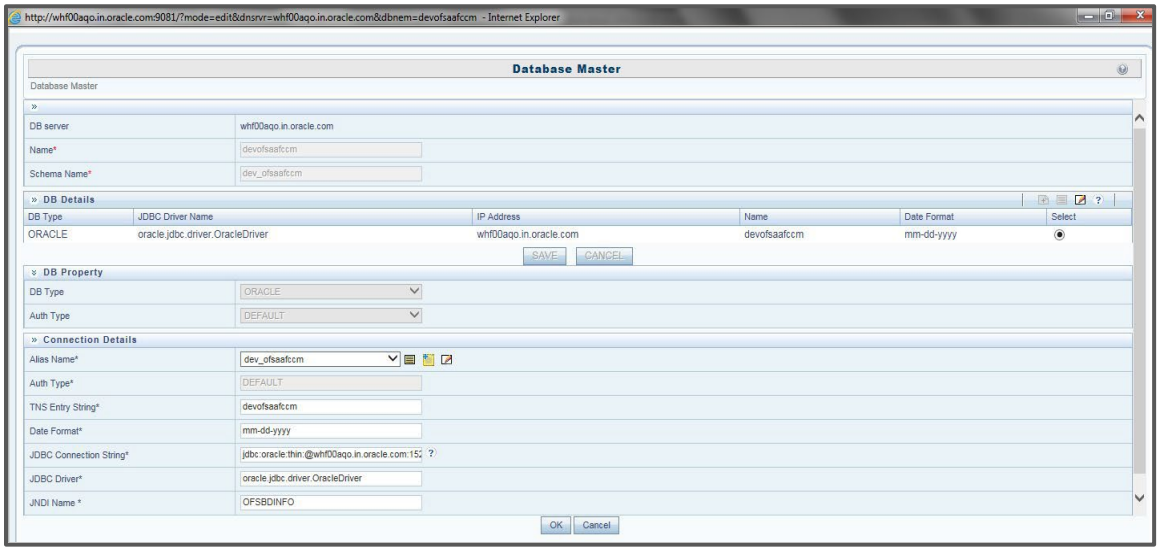
1. Navigate to $FIC_HOME folder on Target.
2. Execute java -jar PortC.jar DMP.
3. A file with the name DefaultPorts.properties will be created under $FIC_HOME directory which will contain the ports, IPs and paths currently being used.
4. Make the necessary changes to those ports, IPs, and paths in the DefaultPorts.properties file as per the Target environment.
5. Now run the PortC.jar utility using the java -jar PortC.jar UPD.
6. This will change the ports, IPs and paths in .profile (under home directory), all files under $FIC_HOME directory and tables in the database according to the values mentioned in DefaultPorts.properties file.

2.4 CRR Infrastructure Atomic Schema Password Modification

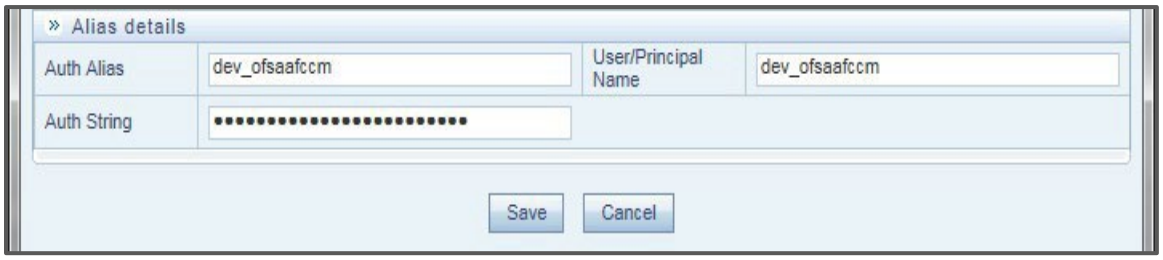
1. Change the RootPass value from the UI through LDAP password.
2. Login to the application from the browser using SYSADMN account or any user id, which has System Administrator role mapped.
3. Navigate to System Configuration > Database Details window.
4. Select the appropriate connection and click on edit button.



5. Click on edit button in Connection Details -> Alias Name.



6. Edit the password in Auth String.



7. Click **Save**.

2.5 Updating JDBC Driver URL

The JDBC Driver must be updated in the following locations:

- $FIC_HOME > Ingestion manager > config > dataIngest.properites
- $FIC_HOME > CRRF > config > install > CRRf.xml
- $FIC_HOME > database > db_tools > manats_cfg > install.cfg

2.6 Updating Database Details

Update the database details in the install.cfg file.

2.7 Manual Updation of Application files after Cloning

The Application files will not be updated with the latest Source Sever host Name/DB details. These files have to be updated manually after executing the PortC command during the cloning process.

File Locations:

- $FIC_HOME/ficdb/bin/
- $FIC_HOME/ficweb/webroot/
- $FIC_HOME/ficweb/SCENARIO_WIZARD/

2.8 Support Contact Details

Contact Infrastructure support at https://flexsupp.oracle.com.

OFSAA Support

Raise a Service Request (SR) in My Oracle Support (MOS) for queries related to the OFSAA applications.

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