

Oracle® FLEXCUBE Investor Servicing

Installation of Edition Based Redefinition Fix



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ORACLE®

Oracle FLEXCUBE Investor Servicing Installation of Edition Based Redefinition Fix, Release 14.7.7.0.0

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Preface

Oracle FLEXCUBE Investor Servicing is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
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- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

Purpose

This manual is designed to help acquaint you with the installation of **Oracle FLEXCUBE Investor Servicing** application.

Audience

This manual is intended for the following User/User Roles:

Table 1 Users and Roles

Users	Roles
Implementation team	Implementation of Oracle FLEXCUBE Investor Servicing
Presales team	Install Oracle FLEXCUBE Investor Servicing for demo purpose
Bank personnel	Who installs Oracle FLEXCUBE Investor Servicing

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 advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

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

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used are as follows:

Table 2 Acronyms and Abbreviations

Abbreviation	Description
FCIS	Oracle FLEXCUBE Investor Servicing
OEM	Oracle Enterprise Manager

Table 2 (Cont.) Acronyms and Abbreviations

Abbreviation	Description
EMS	Electronic Messaging Service
EJB	Enterprise Java Bean
MDB	Message Driven Beans

1

Installation of EBR Fixes

This topic provides information on installation of EBR fixes.

This topic consists the following sub-topics:

- [EBR fix](#)
This topic provides information on EBR fixes.

1.1 EBR fix

This topic provides information on EBR fixes.

Individual fix Installation with Edition Based Redefinition (EBR) requires Installer to use Editions in a Database Schema.

Installer is enhanced to use Database Schema Editions and apply the individual fix DB compilation in patch set edition and then Base edition.

2

Pre-requisite for EBR

This topic provides information on pre-requisite for EBR.

Below Privilege must be provided to the Database Schema from SYS Database User.

- ALTER USER <SCHEMA NAME> ENABLE EDITIONS [FORCE];
- GRANT CREATE ANY EDITION TO <SCHEMA NAME>;
- GRANT DROP ANY EDITION TO <SCHEMA NAME>;
- GRANT ALTER SESSION TO <SCHEMA NAME>;
- GRANT EXECUTE on DBMS_SESSION TO <SCHEMA NAME>;

- [Pre-Installation Configuration](#)

This topic provides information on pre-installation configuration.

2.1 Pre-Installation Configuration

This topic provides information on pre-installation configuration.

These are the following EBR fix deployment stages:

- EBR_FLAG is a property in the file **env.properties**. Set this property to 'Y' if EBR fix deployment is required.
- EBR_STAGE is a property in the file **env.properties**. This property is used to indicate the different stages in EBR fix deployment. The different stages are as follows.
 - PATCHSET_COMPILE
 - SWITCH_LOGON
 - BASE_COMPILE
 - EBR_EXIT
- SINGLE_FIX_SOURCE is an existing property in the file **env.properties**. It will have value 'Y' for individual fix installation.

Sample Entries in **env.properties** as given below:

Figure 2-1 Sample Entries

```
1 #Wed Mar 08 10:23:03 IST 2023
2 EXTERNAL_JSUIXML_REQUIRED=Y
3 JAVA_HOME=C:/Program Files/Java/jdk1.8.0_291
4 WEBLOGIC_HOME=C:/Oracle_infra/Middleware/Oracle_Home/wlserver
5 BUG_NUMBER=35077636
6 BUG_TABLE_NAME=CSTB_APPLIED_POINT_FIXES
7 SOURCE_PATH=C:/Work/SVN/POINTFIX/Dest/35077636
8 FCHome=C:/Work/SVN/FCIS_14.6.0.0.0
9 APPSERVER_HOME=C:/Oracle_infra/Middleware/Oracle_Home/wlserver
10 EBR_STAGE=PATCHSET_COMPILE
11 EBR_FLAG=Y
12 ORACLE_HOME=C:/app/ShilpaL/WINDOWS.X64_193000_client_home
13 SINGLE_FIX_SOURCE=Y
```

Users need existing working individual fix installer setup. Place the file **env.properties** under logs folder. Also, keep the file **silentConfigBuildSMS.properties** in the location as mentioned in the **env.properties**.

3

EBR Database setup

This topic provides information on EBR database setup.

This topic details about the Installer commands and Operational steps required to be done in the same order as specified to achieve EBR Database Compilation.

This topic consists the following sub-topics:

- [Stage 1: Patch Set Compile](#)
This topic provides information on patch set compile.
- [Stage 2: Edition Switch](#)
This topic provides information on edition of switch.
- [Stage 3: Base Compile](#)
This topic provides information on base compile.
- [Stage 4: Drop Patch Set Edition](#)
This topic provides information on drop patch set edition.

3.1 Stage 1: Patch Set Compile

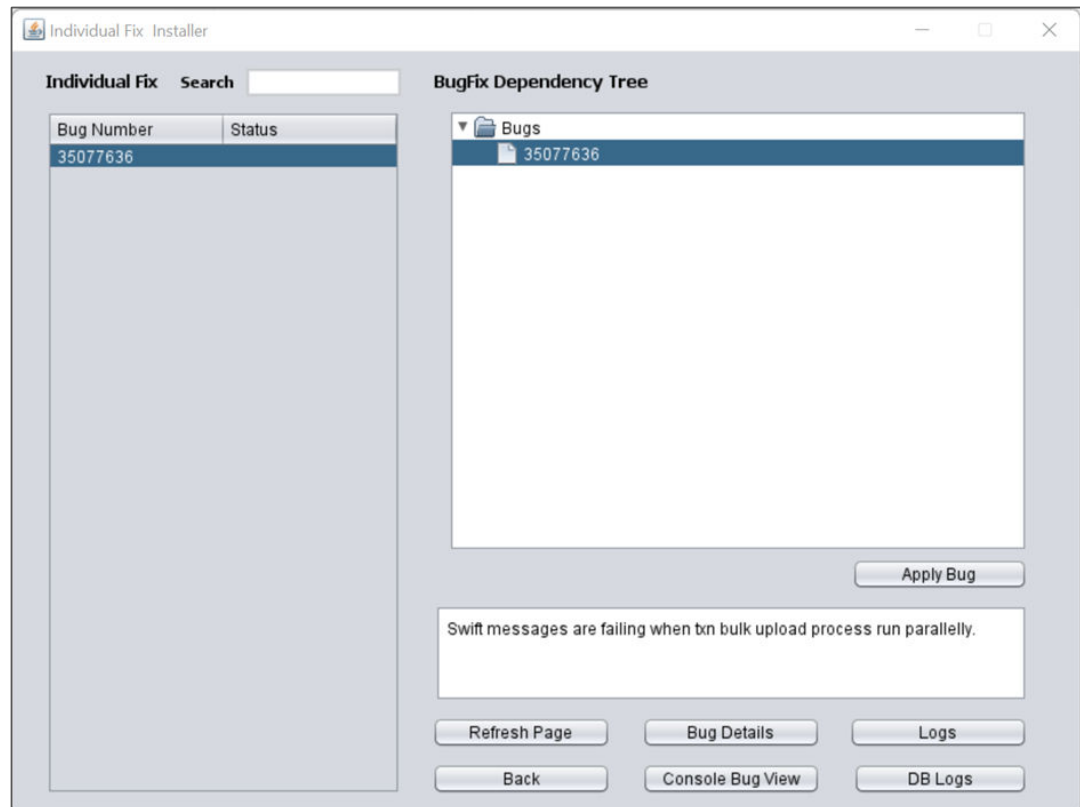
This topic provides information on patch set compile.

Patch set compile is done using Individual fix Installer. Refer the installation document [Installation_of_Individual_Fixes.pdf](#)

1. Set the property EBR_STAGE as PATCHSET_COMPILE in **env.properties**.
2. On click of **Apply Bug** in the below screen, the individual fix will be deployed in the new Edition PS1.

The following screen will be displayed.

Figure 3-1 Bug Fix Dependency Tree



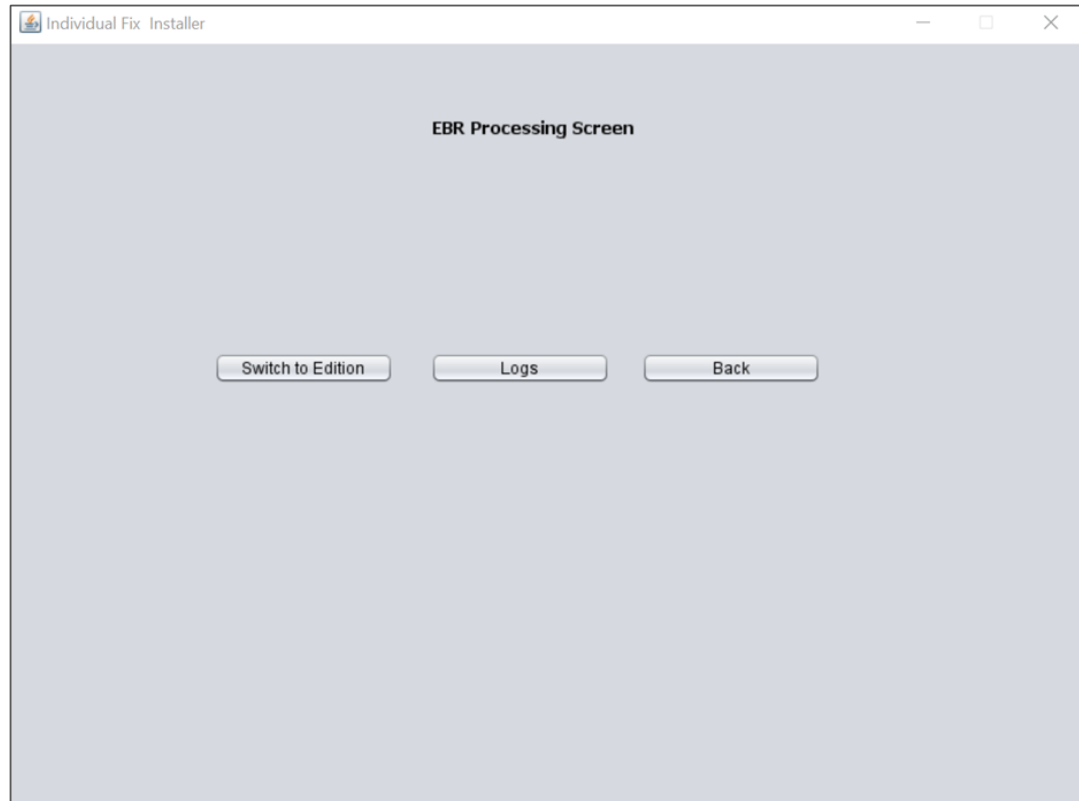
3.2 Stage 2: Edition Switch

This topic provides information on edition of switch.

Edition switch is done using Individual fix Installer. Refer the installation document [Installation_of_Individual_Fixes.pdf](#)

1. Set the property EBR_STAGE as SWITCH_LOGON in **env.properties**.
2. On click of **Switch to Edition** in the below screen, the DB will be ready for edition switch.
The following screen will be displayed.

Figure 3-2 EBR Processing Screen



3. On logging on to the DB connection, the session will switch to the new Edition PS1.

3.3 Stage 3: Base Compile

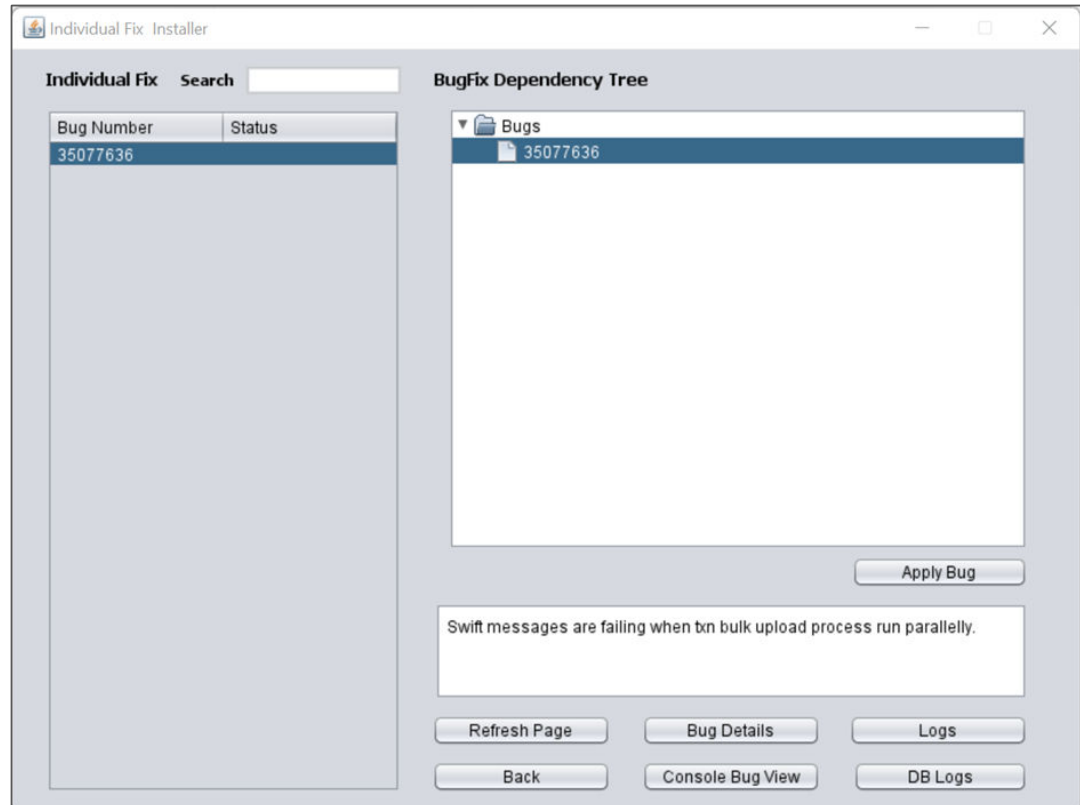
This topic provides information on base compile.

Base compile is done using Individual fix Installer. Refer the installation document [Installation_of_Individual_Fixes.pdf](#)

1. Set the property EBR_STAGE as BASE_COMPILE in **env.properties**.
2. On click of **Apply Bug** in the below screen, the individual fix will be deployed in the base edition **ORA\$BASE**.

The following screen will be displayed.

Figure 3-3 Bug Fix Dependency Tree



3.4 Stage 4: Drop Patch Set Edition

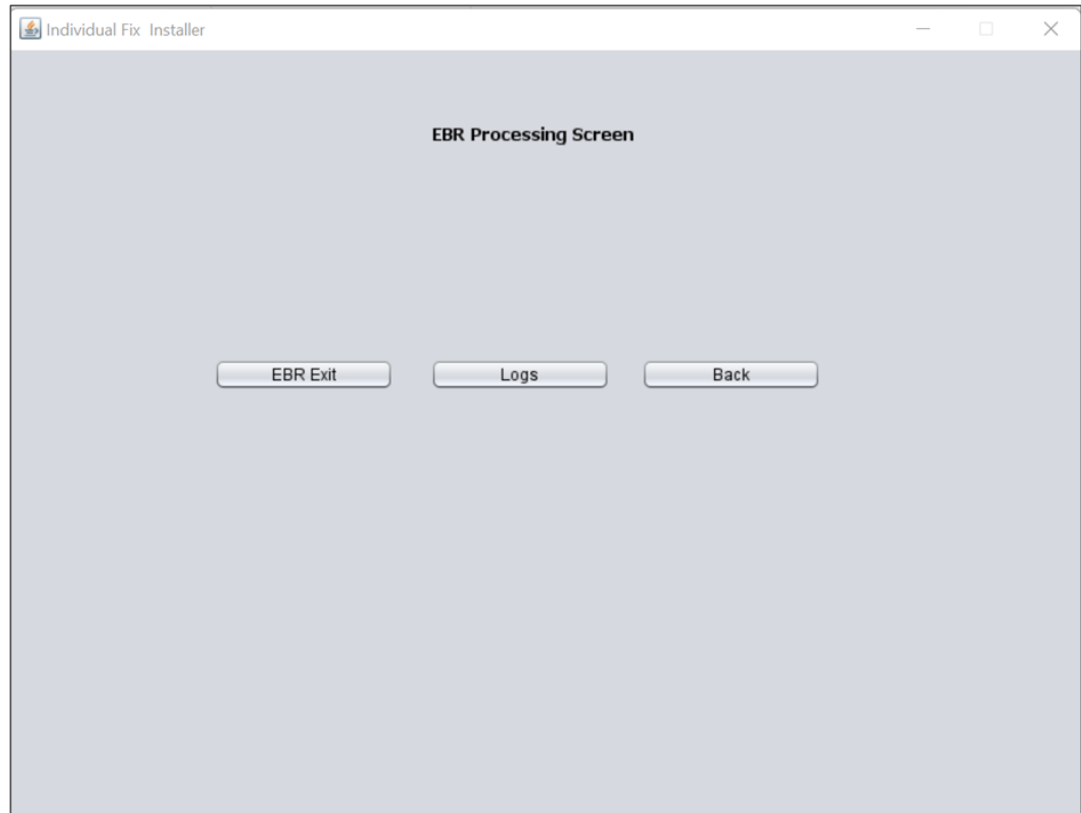
This topic provides information on drop patch set edition.

Drop patch set edition is done using Individual fix Installer. Refer the installation document [Installation_of_Individual_Fixes.pdf](#)

1. Set the property `EBR_STAGE` as `EBR_EXIT` in **env.properties**.
2. On click of **EBR exit** in the below screen, will ensure that the Patch Set Edition PS1 is dropped. On completion of this stage, DB will be connecting to base edition.

The following screen will be displayed.

Figure 3-4 EBR Processing Screen



 Note:

- For all the above stages, set the property SINGLE_FIX_SOURCE as 'Y'.
- Stage-wise progress can be tracked using the table STTB_EBR_TBL.

4

Operational Issues and Troubleshoot

This topic provides information on operational issues and troubleshooting.

Patch set edition will not be dropped, if there are active connections to the schema pointing to Patch set Edition.

Exception in dropping edition java.sql.SQLException: ORA-38805: edition is in use

Clear such sessions and process Stage 4 again to get the Patch set Edition dropped.

Below query would help to list all editions in the Schema. At the end of process, only Base Edition should be present.

*Select * FROM all_editions*