

Installation of Edition Based Redefinition Fix

Oracle FLEXCUBE Investor Servicing

Release 14.7.6.0.0

[October] [2024]



Table of Contents

1	INSTALLATION OF EBR FIXES	1
1.1	EBR FIX	1
2	PRE REQUISITE FOR EBR.....	2
3	EBR DATABASE SETUP	3
3.1	STAGE 1: PATCH SET COMPILE	3
3.2	STAGE 2: EDITION SWITCH	4
3.3	STAGE 3: BASE COMPILE	4
3.4	STAGE 4: DROP PATCH SET EDITION	5
4	OPERATIONAL ISSUES AND TROUBLESHOOTING	7

Glossary

Abbreviation	Detailed Description
FCIS	Oracle FLEXCUBE Investor Servicing
EBR	Edition Based Redefinition

1 Installation of EBR Fixes

1.1 EBR fix

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.

The approach is discussed in detail under the following heads.

2 Pre requisite for EBR

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

1. ALTER USER <SCHEMA NAME> ENABLE EDITIONS [FORCE];
2. GRANT CREATE ANY EDITION TO <SCHEMA NAME>;
3. GRANT DROP ANY EDITION TO <SCHEMA NAME>;
4. GRANT ALTER SESSION TO <SCHEMA NAME>;
5. GRANT EXECUTE on DBMS_SESSION TO <SCHEMA NAME>;

Pre-Installation Configuration:

- 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.

```
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
```

1. Users need existing working individual fix installer setup.
2. 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

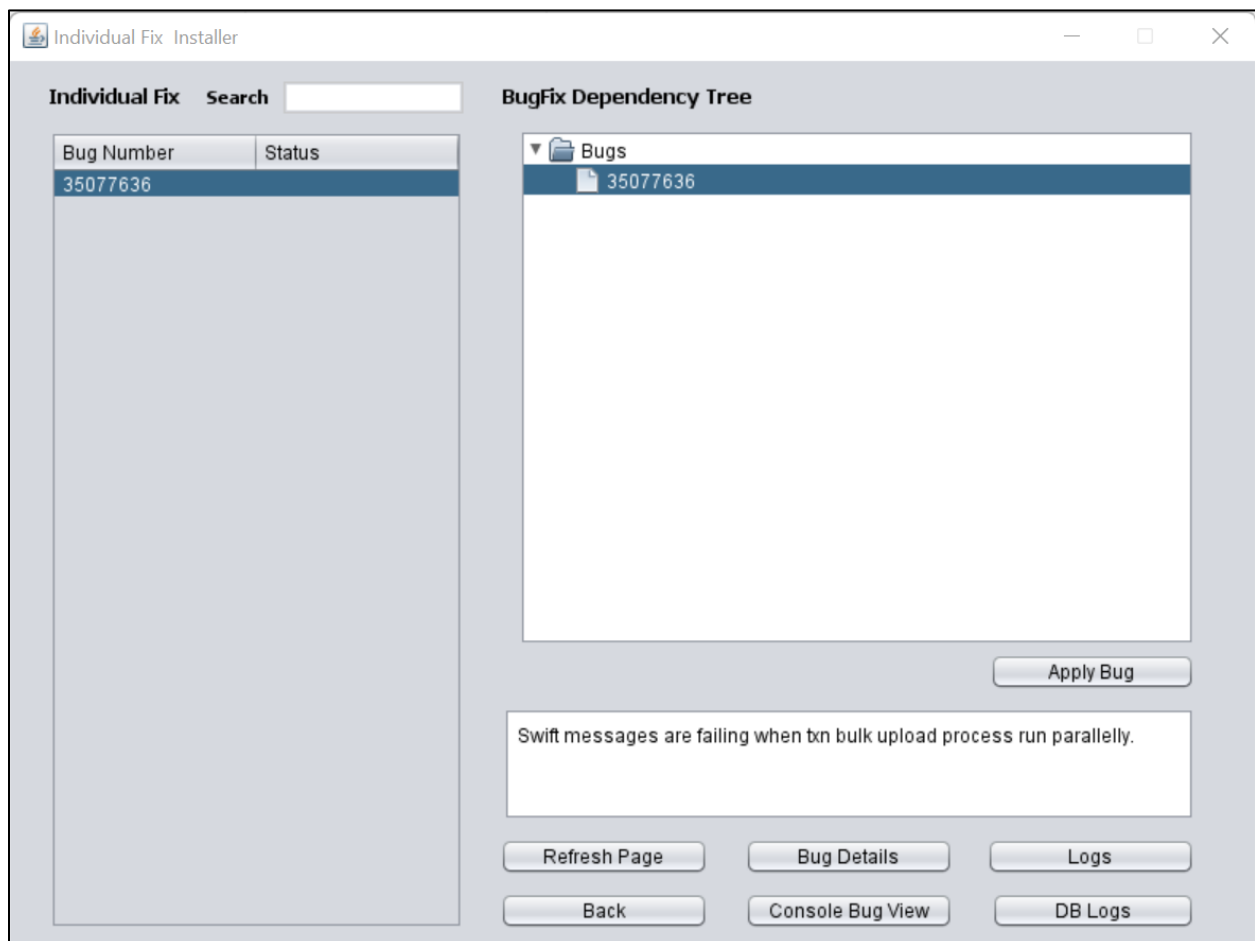
This section details about the Installer commands and Operational steps required to be done in the same order as specified to achieve EBR Database Compilation.

3.1 Stage 1: Patch Set Compile

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

Set the property EBR_STAGE as 'PATCHSET_COMPILE' in **env.properties**.

On click of "Apply Bug" in the below screen, the individual fix will be deployed in the new Edition 'PS1'.

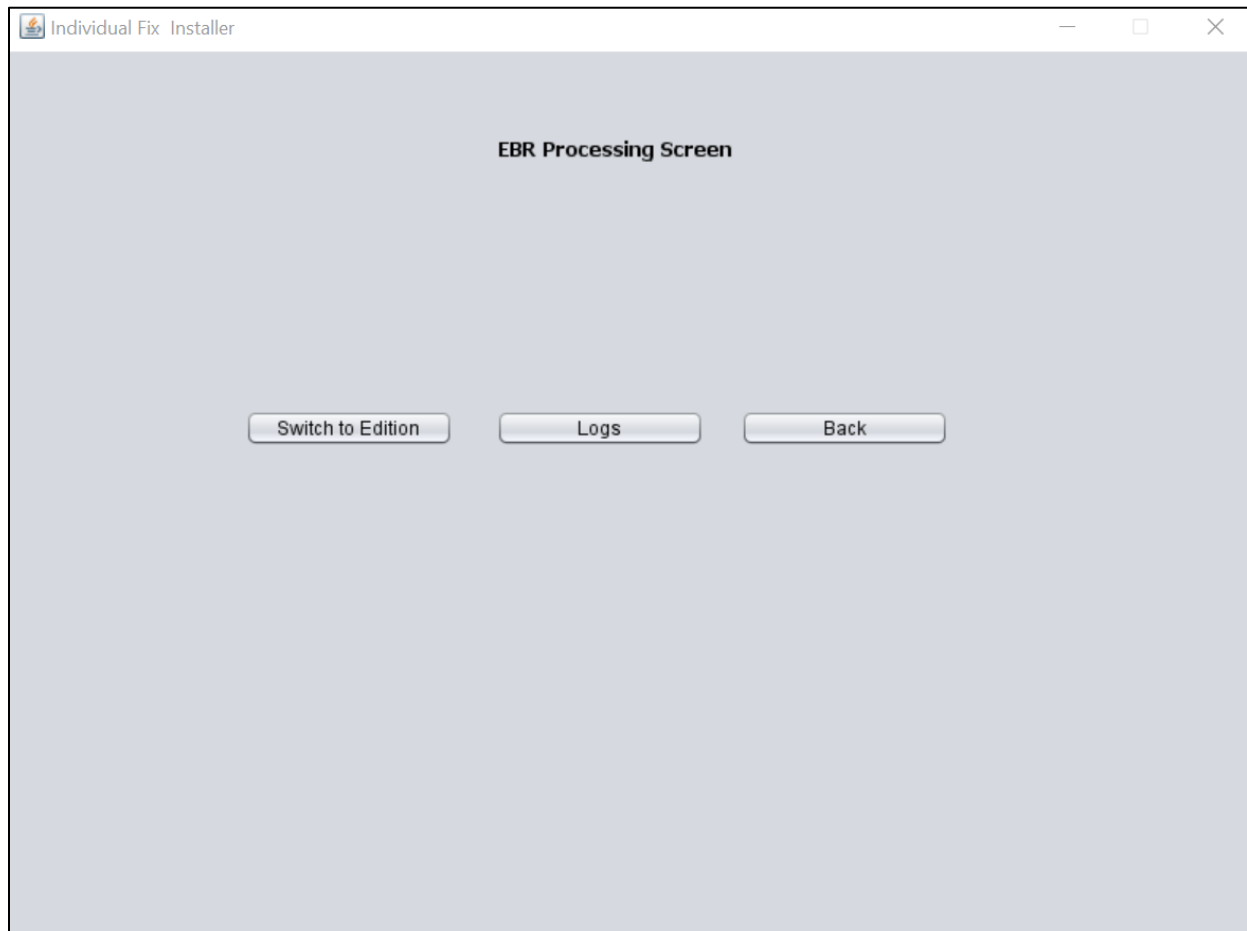


3.2 Stage 2: Edition Switch

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

Set the property EBR_STAGE as 'SWITCH_LOGON' in **env.properties**.

On click of “Switch to Edition” in the below screen, the DB will be ready for edition switch.



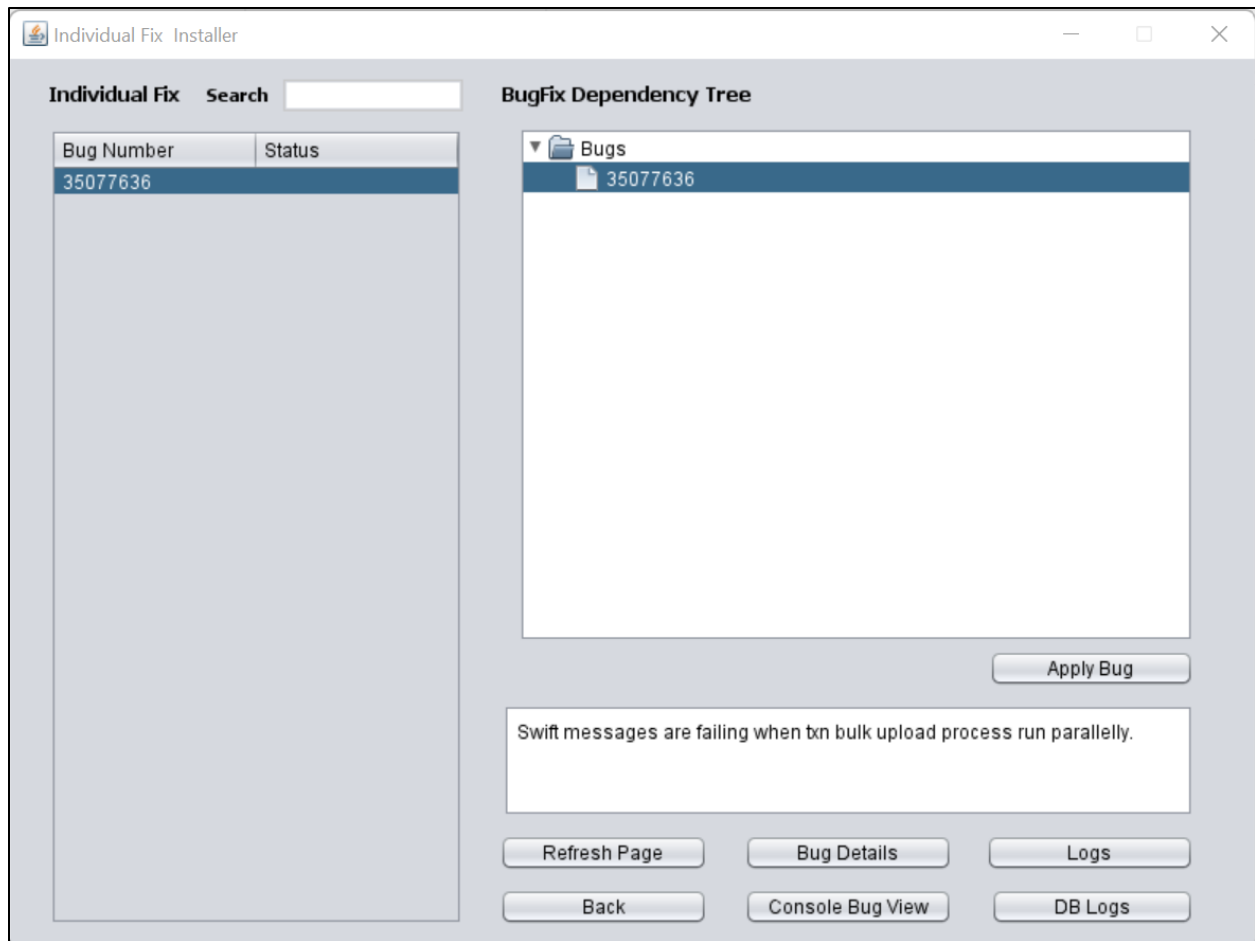
On logging on to the DB connection, the session will switch to the new Edition 'PS1'.

3.3 Stage 3: Base Compile

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

Set the property EBR_STAGE as 'BASE_COMPILE' in **env.properties**.

On click of “Apply Bug” in the below screen, the individual fix will be deployed in the base edition 'ORA\$BASE'.

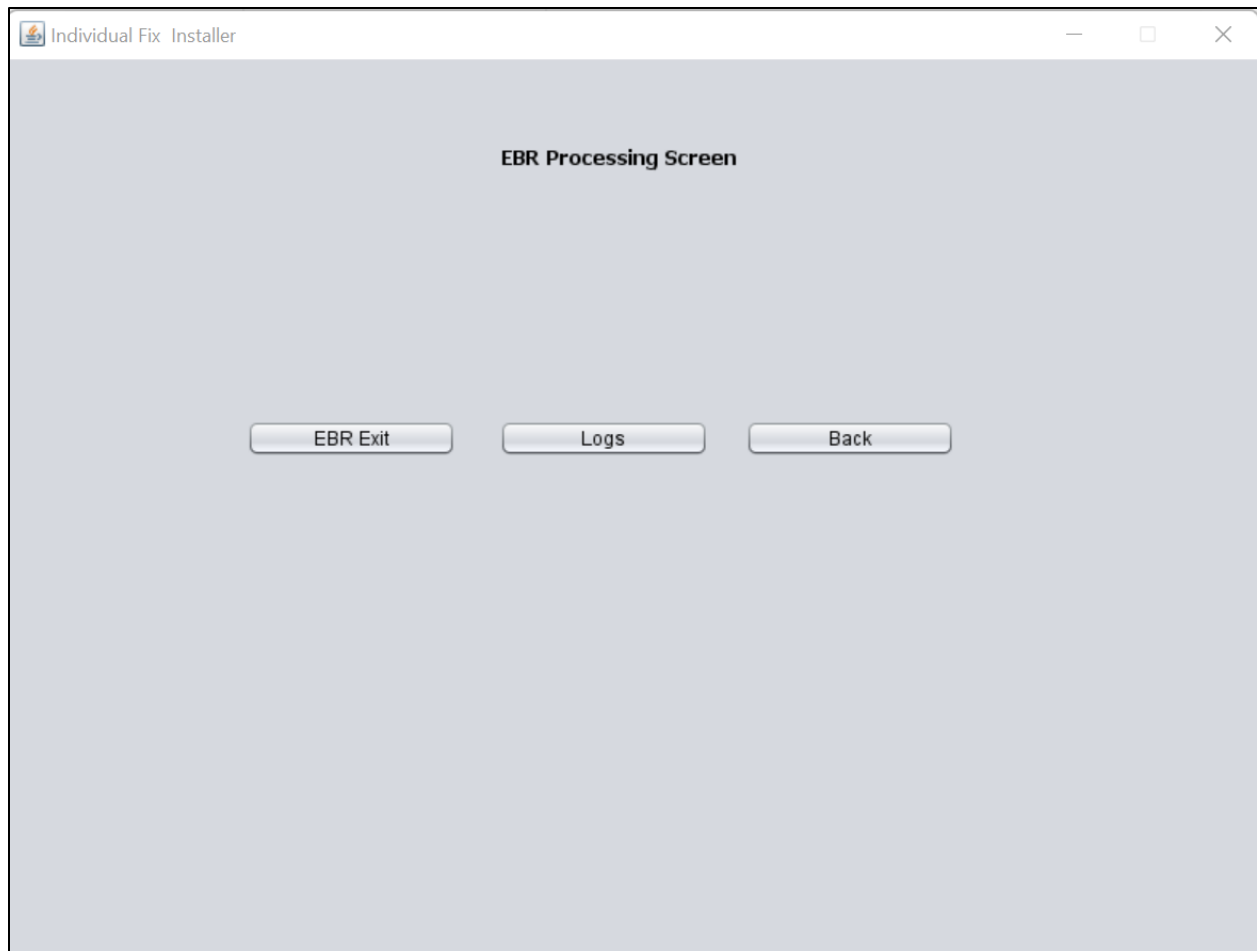


3.4 Stage 4: Drop Patch Set Edition

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

Set the property EBR_STAGE as 'EBR_EXIT' in **env.properties**.

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.



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 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*



Installation of Edition Based Redefinition Fix
[October] [2024]
Version 14.7.6.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © [2007], [2024], Oracle and/or its affiliates.

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

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.

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.

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.