

Installation of Edition Based Redefinition Fix

Oracle FLEXCUBE Investor Servicing

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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

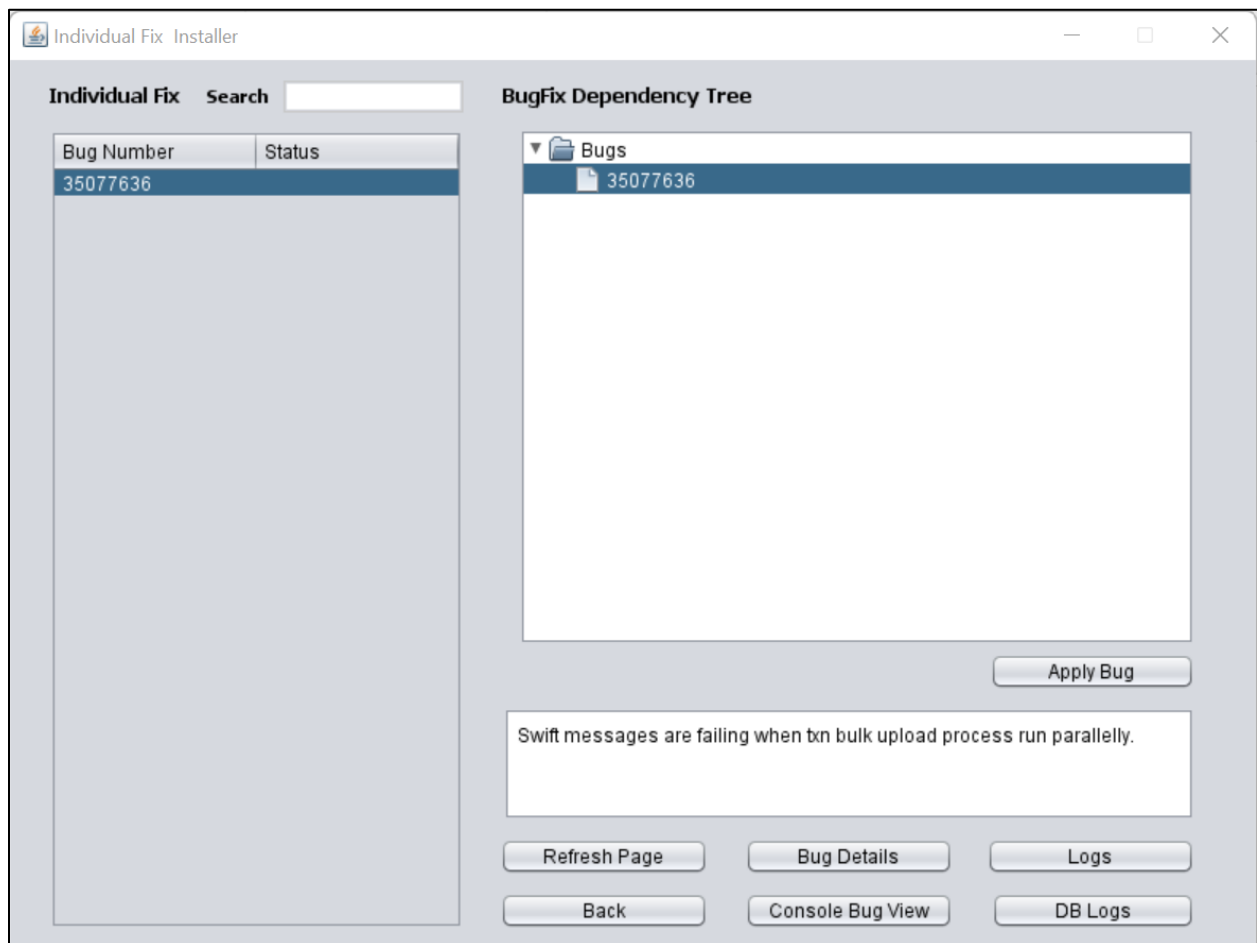
This section details about the Installer commands and Operational steps required to be done in the same order as specified to achieve EBR Database Compilation.

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'.

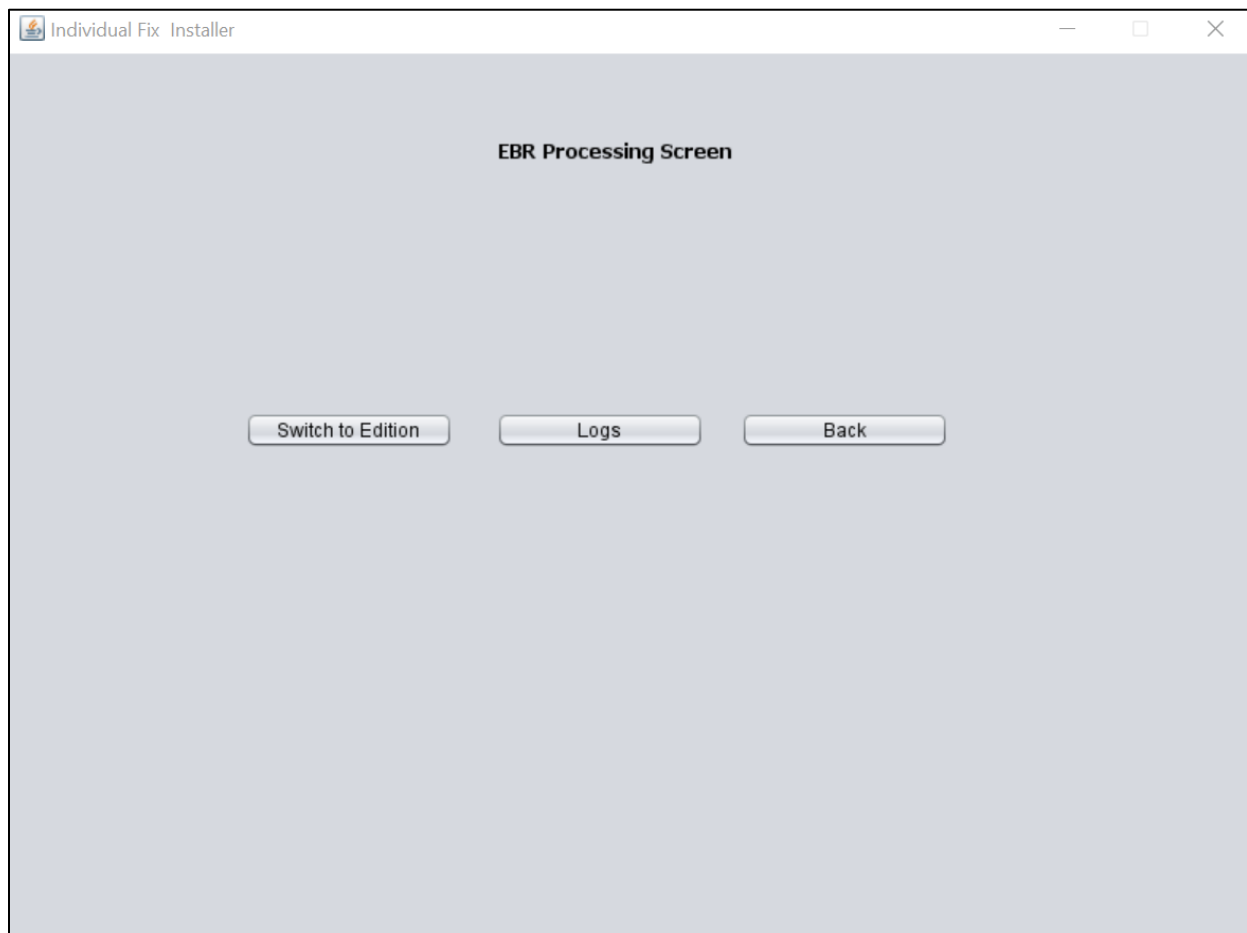


3.2 Stage 2: Edition Switch

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.



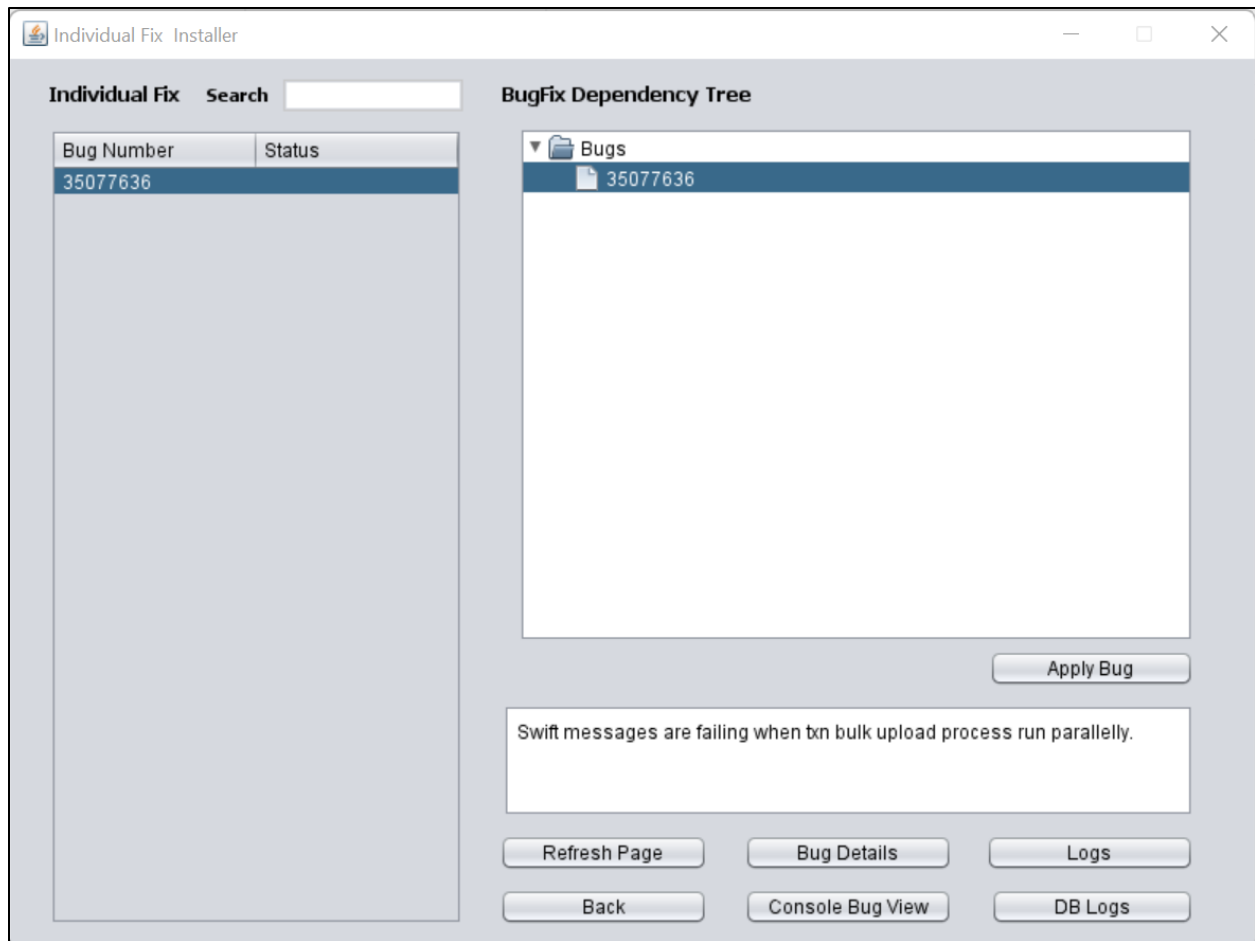
On logging on to the DB connection, the session will switch to the new Edition 'PS1'.

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'.

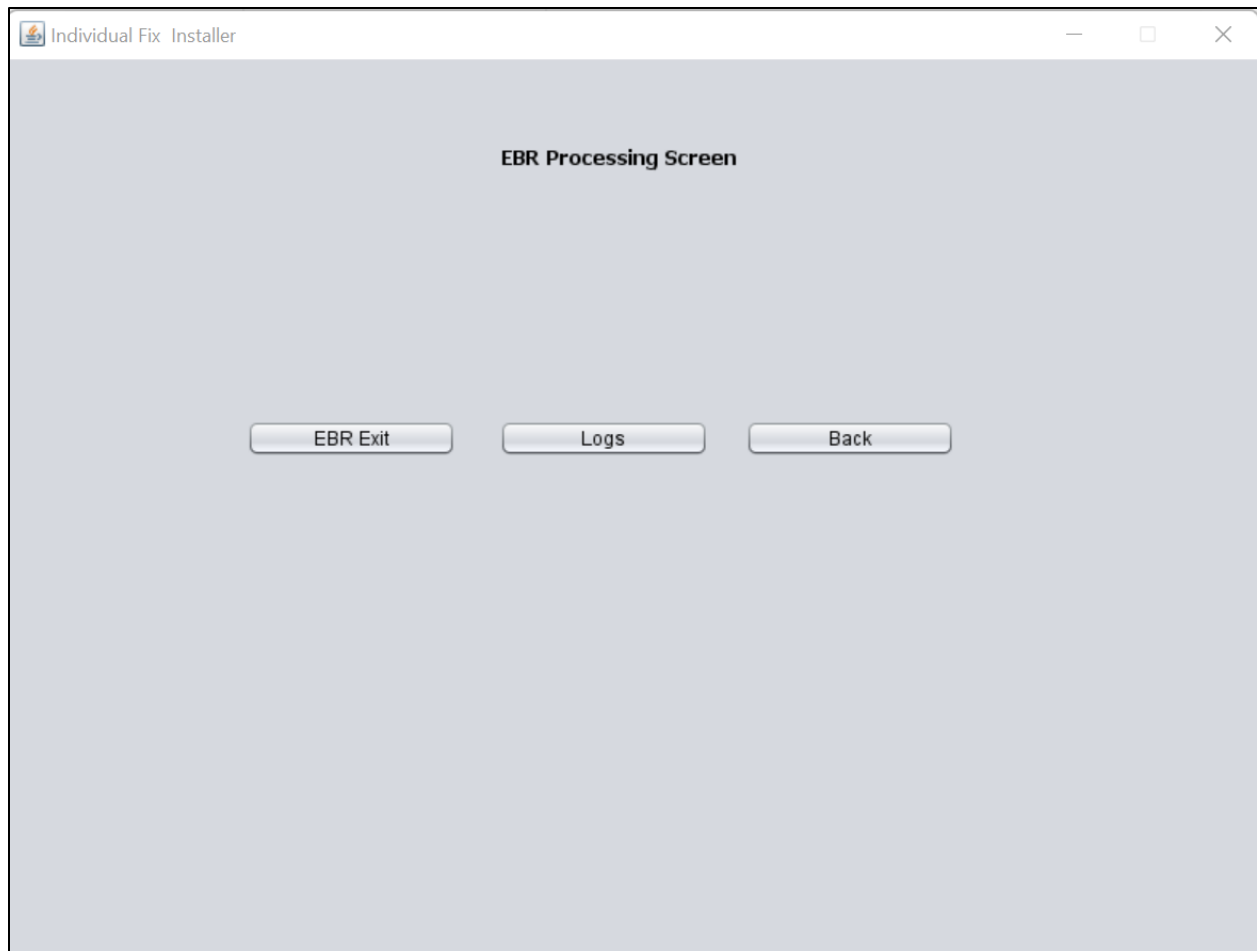


3.4 Stage 4: Drop Patch Set Edition

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*



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