

Oracle® FLEXCUBE Investor Servicing

Installation of Individual Fixes



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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](#)
- [Conventions](#)
- [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

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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 Individual Fixes

This topic gives information on Installation of Individual Fixes.

The individual fix consists of a fix for only one bug. The customer has to download the fix from ARU area and input it to an Individual fix installer. During installation, the user may be asked to install dependent bug fixes as well.

This topic contains the following sub-topics:

- [Prerequisites for Individual fix installation](#)
This topic gives the lists of prerequisites for Individual Fix Installation.
- [Individual Fix Installer](#)
This topic gives instructions to install Individual Fix Installer.

1.1 Prerequisites for Individual fix installation

This topic gives the lists of prerequisites for Individual Fix Installation.

1. Users need existing working installer setup.
2. Place the file env.properties under logs folder. Also, keep the file fcubs.properties in the location as mentioned in the env.properties. Similarly, for each deployable ear/war/jar, there must be corresponding properties existing. For Example: Gateway, EAR, etc.,)
3. It is assumed that the existing FCIS setup is done by the selected installer and properties file.
4. Customization needs to be applied manually after extraction of kernel sources and before applying the Fix. It includes some of the following:
 - RAD Refresh
 - Customization in infra level like theme changes.
 - **Artifacts from Customization:** Customization team has to modify the ARU zip files with artifacts from customized units.

1.2 Individual Fix Installer

This topic gives instructions to install Individual Fix Installer.

This topic contains the following sub-topics:

- [Running Individual Fix Installer](#)
This topic provides information on running Individual Fix Installer.
- [Home Screen of Individual Fix Installer](#)
This topic explains the home screen of Individual Fix Installer.
- [Bug View Screen](#)
This topic provides instructions to view all the available bug fixes for the current RolledUp patchset.

- [Status Flags](#)
This topic provides information on Status Flags.
- [App Fixes](#)
This topic provides information on App Fixes.
- [Warnings](#)
This topics explains the different warnings that can be encountered.
- [Limitations](#)
This topic explains the limitations of Individual Fix Installer.
- [Property File Creation](#)
This topic provides information on Property File creation.

1.2.1 Running Individual Fix Installer

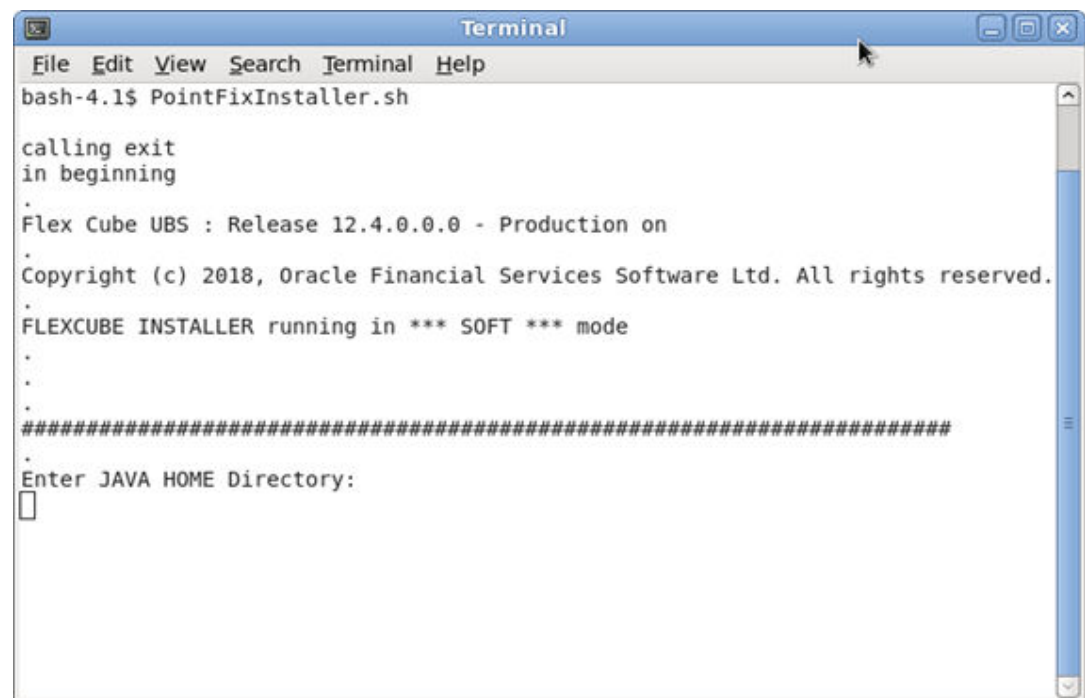
This topic provides information on running Individual Fix Installer.

Source folder in the local system appears as <<EXEC_PATH>>/INSTALLER/POINTFIX.

1. Start the **Individual Fix Installer** using files from the installer source folder.
IndividualFixInstaller.sh on linux OS (or) **IndividualFixInstaller.bat** on windows OS.
2. Enter the Java Home Path and press **Enter** key.

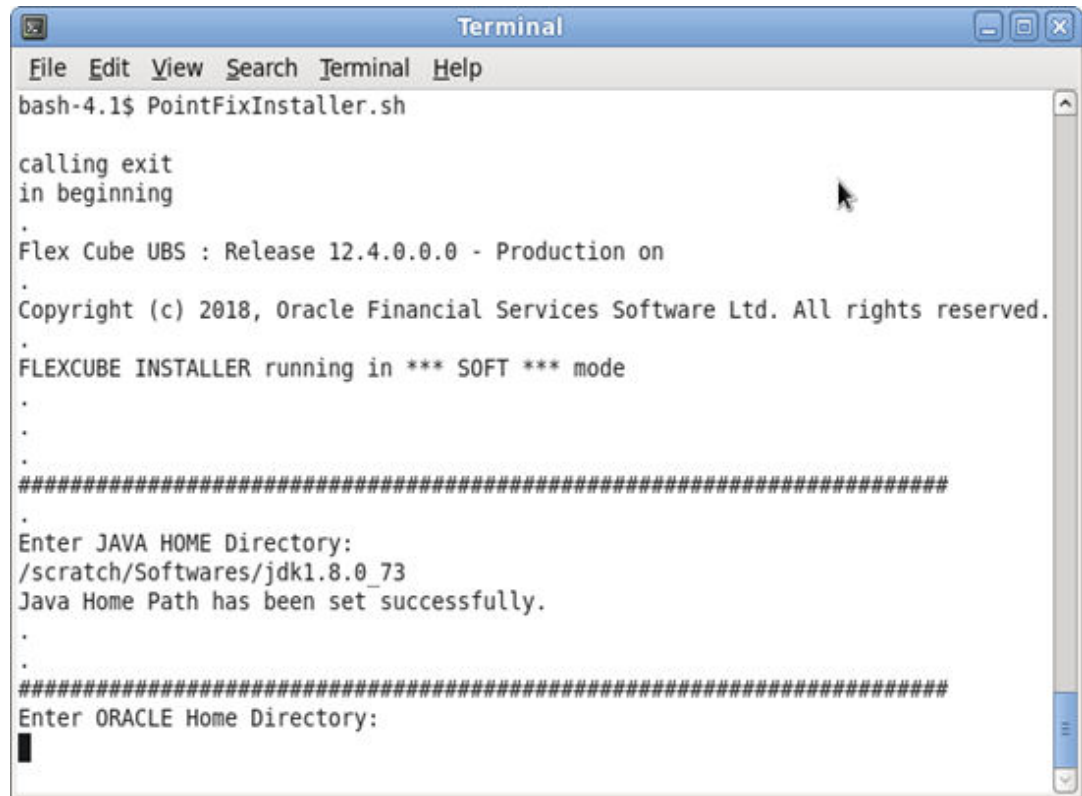
It is prompted to enter the Java Home Path. This is a mandatory input and the value entered is validated.

Figure 1-1 Java Home Path



3. Enter the ORACLE DB Client Path and press **Enter** key.

Figure 1-2 ORACLE Home Path

A terminal window titled "Terminal" with a menu bar (File, Edit, View, Search, Terminal, Help). The command prompt shows "bash-4.1\$ PointFixInstaller.sh". The script output includes: "calling exit", "in beginning", "Flex Cube UBS : Release 12.4.0.0.0 - Production on", "Copyright (c) 2018, Oracle Financial Services Software Ltd. All rights reserved.", "FLEXCUBE INSTALLER running in *** SOFT *** mode", a separator line of asterisks, "Enter JAVA HOME Directory:", the input "/scratch/Softwares/jdk1.8.0_73", "Java Home Path has been set successfully.", another separator line of asterisks, and "Enter ORACLE Home Directory:" followed by a cursor.

```
bash-4.1$ PointFixInstaller.sh

calling exit
in beginning
Flex Cube UBS : Release 12.4.0.0.0 - Production on
Copyright (c) 2018, Oracle Financial Services Software Ltd. All rights reserved.
FLEXCUBE INSTALLER running in *** SOFT *** mode
*****
Enter JAVA HOME Directory:
/scratch/Softwares/jdk1.8.0_73
Java Home Path has been set successfully.
*****
Enter ORACLE Home Directory:
█
```

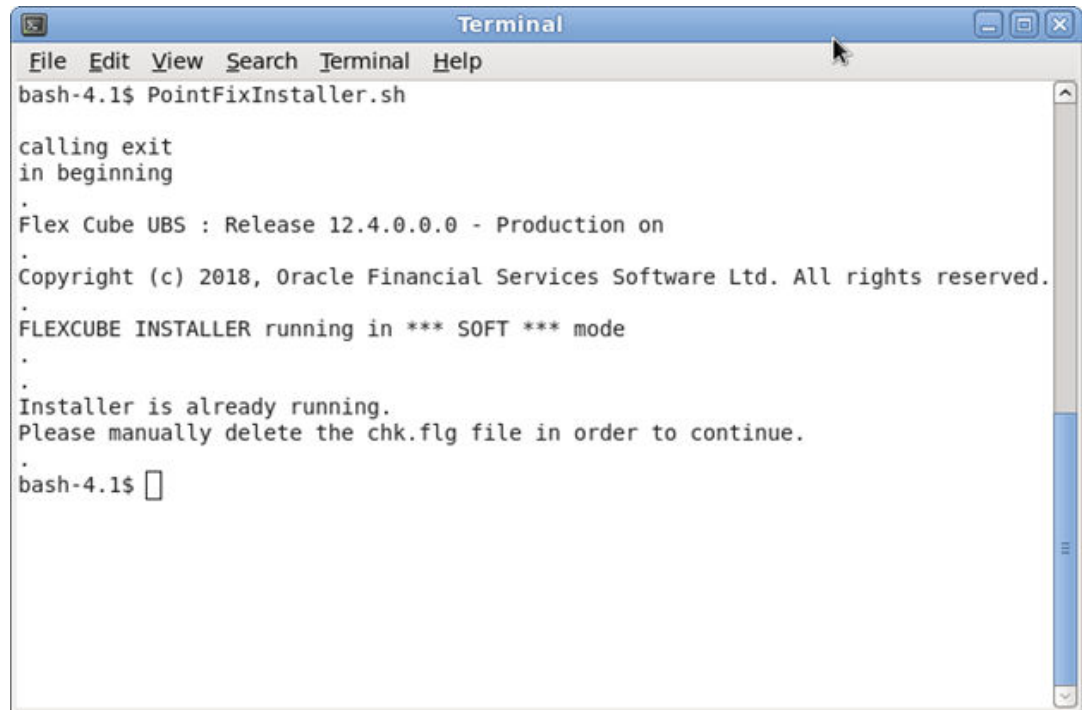
4. Proceed with the installation process.

On the first launch of the installer, all the fields in the installer will be displayed according to the values entered by the user and the same data is saved in **PointFix.properties**.

On subsequent launches of installer on the same machine, the installer will read the inputs from **PointFix.properties**.

5. Relaunch the installer, which was closed abruptly.

The following screen is displayed.

Figure 1-3 Delete chk.flg

```
Terminal
File Edit View Search Terminal Help
bash-4.1$ PointFixInstaller.sh

calling exit
in beginning
.
Flex Cube UBS : Release 12.4.0.0.0 - Production on
.
Copyright (c) 2018, Oracle Financial Services Software Ltd. All rights reserved.
.
FLEXCUBE INSTALLER running in *** SOFT *** mode
.
.
Installer is already running.
Please manually delete the chk.flg file in order to continue.
.
bash-4.1$
```

6. You have to delete the file **chk.flg** that has been created in the installer sources, which was closed abruptly.

1.2.2 Home Screen of Individual Fix Installer

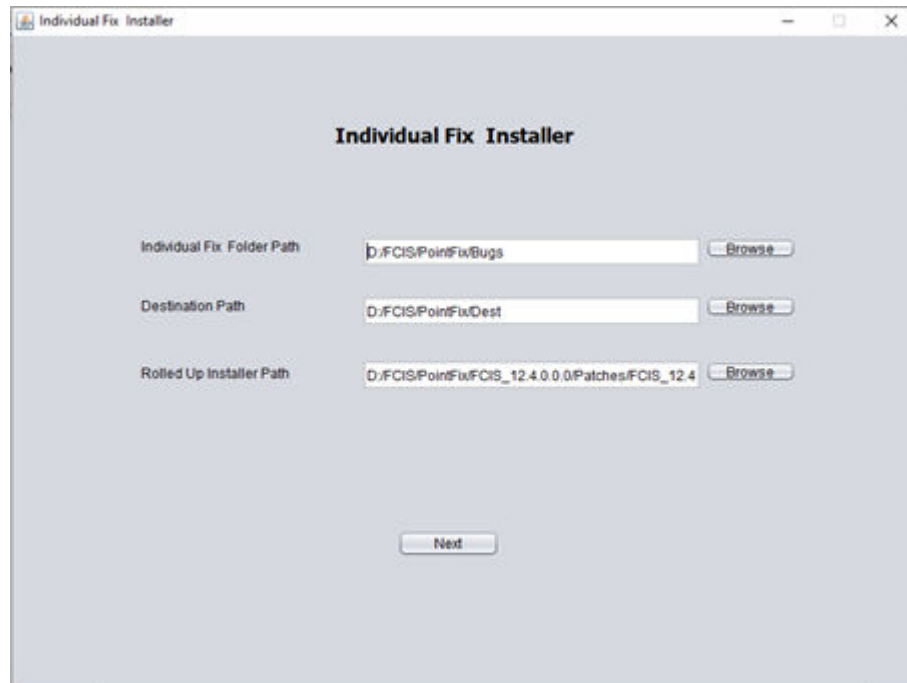
This topic explains the home screen of Individual Fix Installer.

1. Start the Individual Fix Installer.

The first screen shows empty fields on the first launch of the installer and subsequently they will be loaded from IndividualFix.properties.

The following screen is displayed.

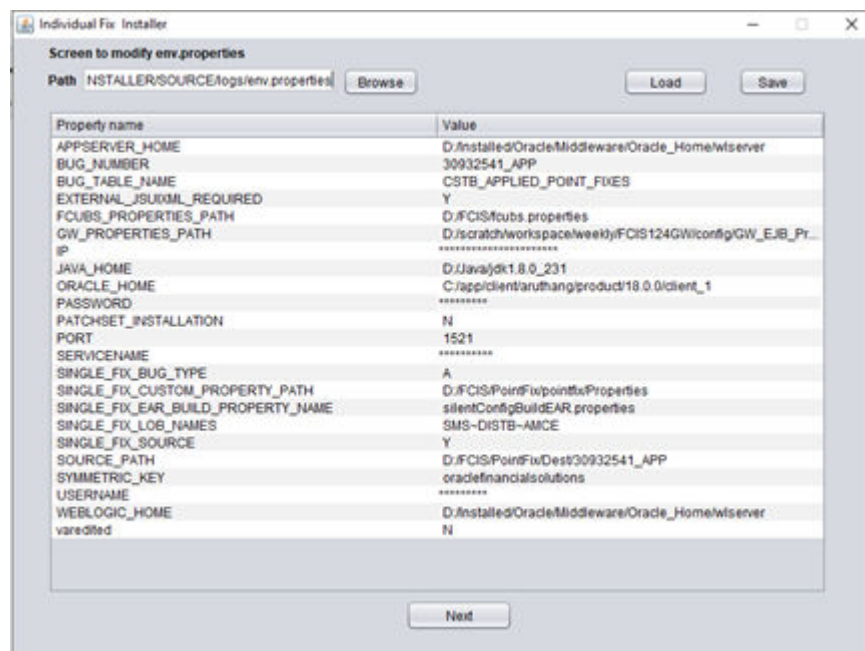
Figure 1-4 Individual Fix Installer



2. Specify the **IndividualFix Folder Path** where all the zip files of Bugs are present.
3. Specify the **Destination Path** where the files will be unzipped for processing.
4. Click **Next** to modify **env.properties**.

The screen displays **env.properties** where it will be loaded from rolled up installer and user can edit the property file.

Figure 1-5 Screen to modify env.properties



5. Click **Save** to save the changes.

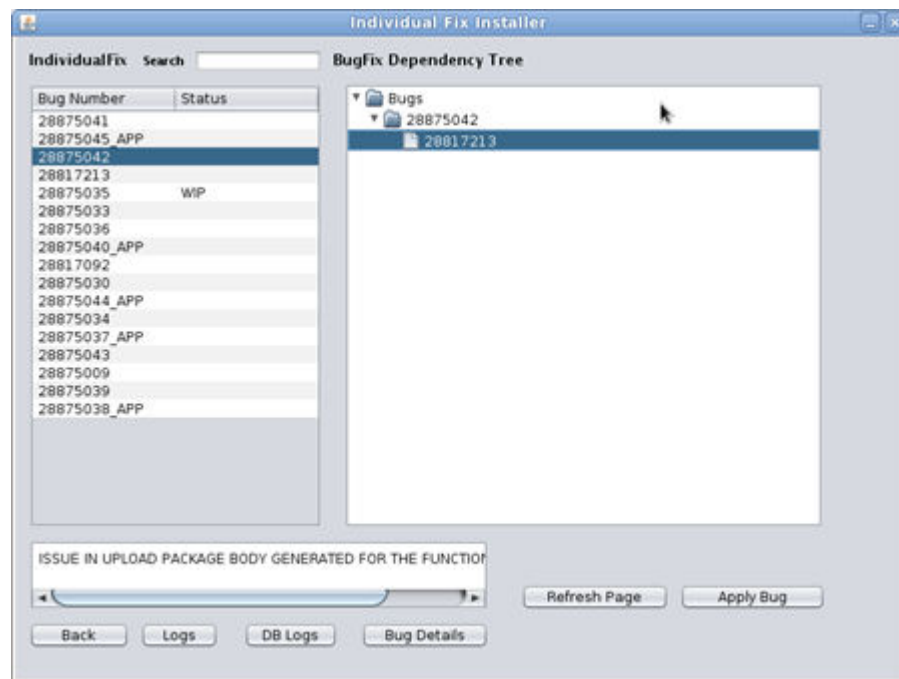
Unless **Save** button is clicked, changes will not be reflected.

1.2.3 Bug View Screen

This topic provides instructions to view all the available bug fixes for the current RolledUp patchset.

User needs to select the bug on the **Bug Number** column to get the details about the bug.

Figure 1-6 Bug View Screen

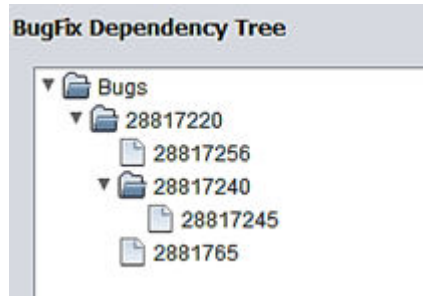


- [BugFix Dependency Tree](#)
This topic provides information on BugFix Dependency Tree.
- [Search Feature](#)
This topic provides information on Search Feature.
- [Refresh Page Button](#)
This topic provides information on Refresh Button.
- [Bug Details Button](#)
This topic provides information on Bug Details Button.
- [Logs Button](#)
This topic provides information on Logs Button.

1.2.3.1 BugFix Dependency Tree

This topic provides information on BugFix Dependency Tree.

On expanding the **Bugs** in the **BugFix Dependency Tree**, bug dependency tree is seen as shown below (if any).

Figure 1-7 BugFix Dependency Tree

In this example, Bug **28817220** has three dependent bugs:

- 28817256
- 28817240
- 2881765

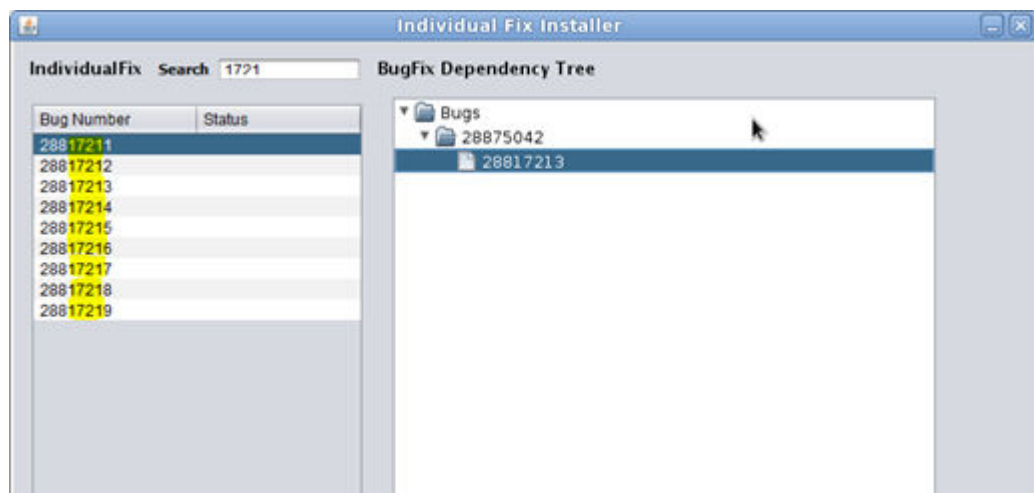
Also, bug 28817240 has one more dependent bug 28817245.

To apply bug 28817240, bug 28817245 has to be applied and for bug 28817220, bugs 28817256, 28817240 and 2881765 have to be applied.

1.2.3.2 Search Feature

This topic provides information on Search Feature.

You can use the **Search** option to search for bugs using **Bug Number**.

Figure 1-8 Individual Fix Installer_Search

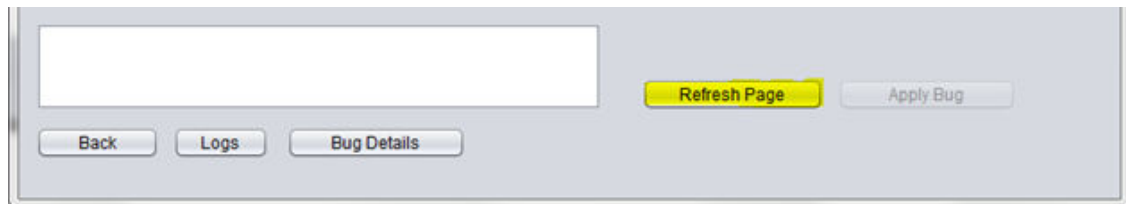
For Example, if you want to search some bugs which contains '1721' as part of bug numbers in it, then type 1721 in the **Search** field. All the bugs with specified criteria will be listed in the Individual fixes table available.

1.2.3.3 Refresh Page Button

This topic provides information on Refresh Button.

When a new zip file is added in the **Individual Fix Folder Path** and it needs to be listed without relaunching installer, then **Refresh Page** button should be clicked.

Figure 1-9 Individual Fix Installer_Refresh Page



1.2.3.4 Bug Details Button

This topic provides information on Bug Details Button.

This will show bug details from IR file.

1.2.3.5 Logs Button

This topic provides information on Logs Button.

The **Logs** button allows the user to view the log file during the installation process.

Note: If the log file is not opened, please set the default program associated to **.log extension**.

1.2.4 Status Flags

This topic provides information on Status Flags.

The status of each bug is shown in the second column of bug table. The below table describes the possible status of individual fixes.

Table 1-1 Status Flags

Status	Remarks
SUCCESS	Fix has been applied successfully.
WIP	Work in progress, i.e., Fix is being installed.
FAILURE	Failed while applying fix. User can reapply, if they are still in same.
<<NO STATUS>>	Bug is never applied in this environment. User may apply.

1.2.5 App Fixes

This topic provides information on App Fixes.

If same bug contains back end units and ear sources, then it will be shown separately. For example, the bug '1234' has fixes in both backend units and ear sources then this will be shown as below,

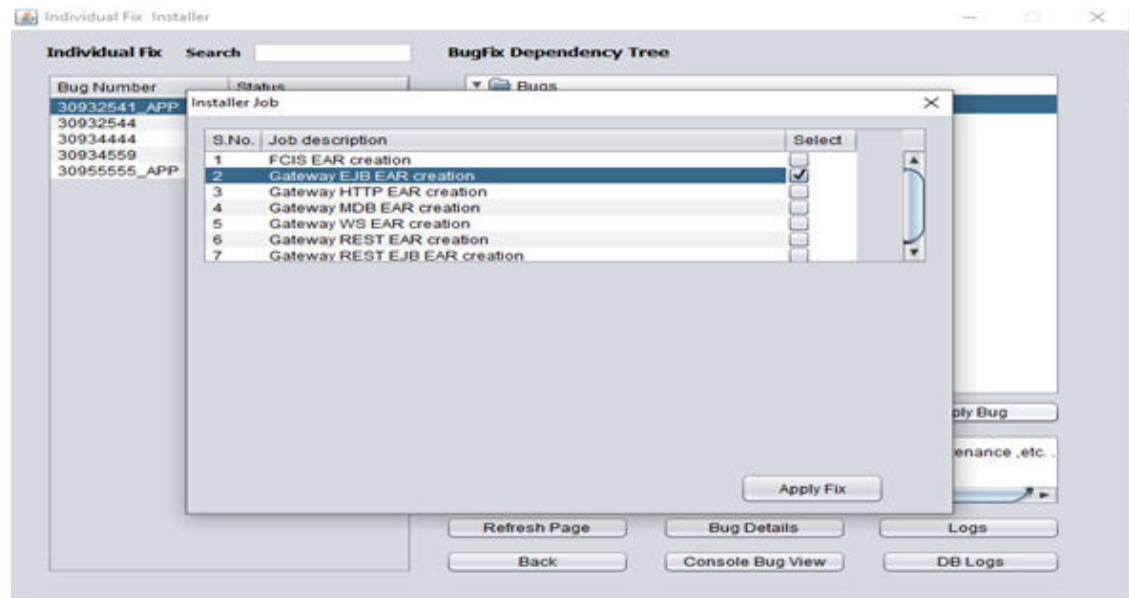
- 1234
- 1234_APP

Above fixes must be applied individually. The fix 1234 can be applied once whereas 1234_APP can be applied many times.

Job Description Screen

User needs to select any one of the operations from the available list and click **Apply Fix**.

Figure 1-10 Job Description Screen



Say, user selected **Gateway EJB EAR creation** and has to click **Apply Fix** button to get the fixes applied.

The EAR file will be created and placed under the location mentioned in the **<EARBUILD>.properties** file.

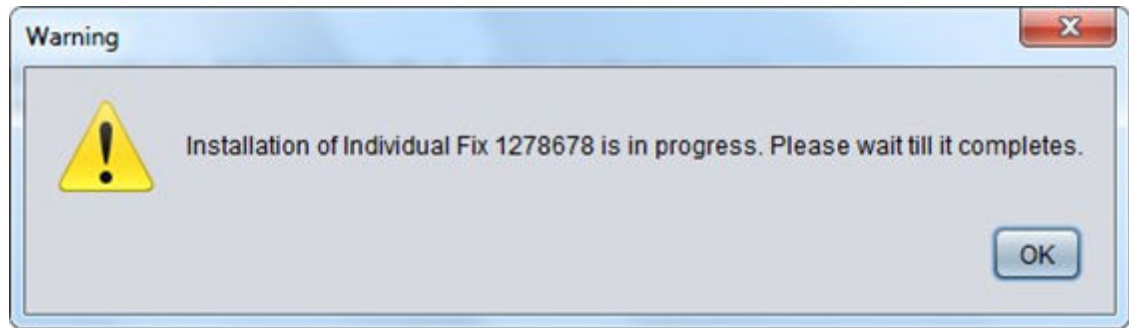
1.2.6 Warnings

This topics explains the different warnings that can be encountered.

In Progress Warning

Multiple bugs cannot be applied in parallel per environment, failing which results in the error message.

Figure 1-11 In Progress Warning

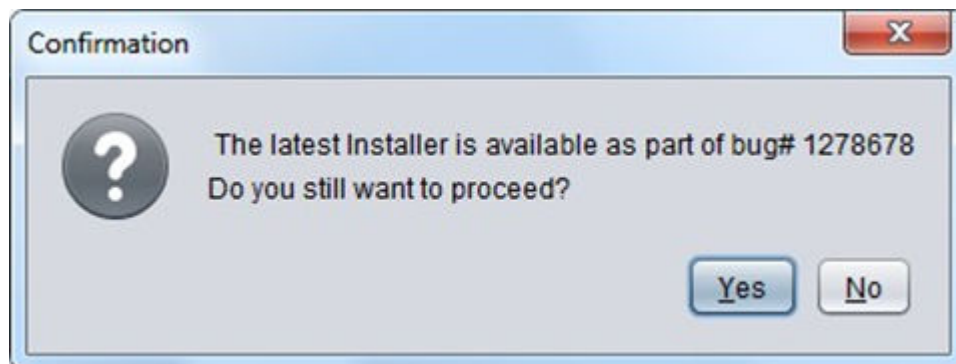


In case of multi entity environment, one user can apply into one entity whereas the other user can apply into another entity at the same time.

Installer DependencyWarning

This warning occurs while using latest installer.

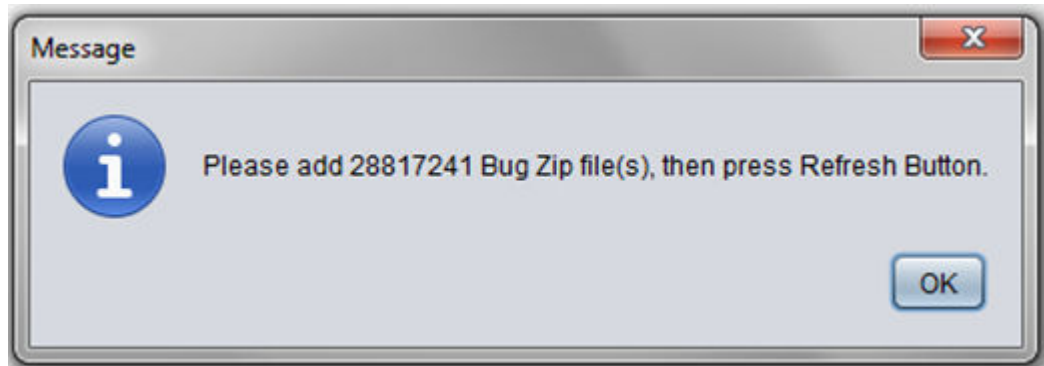
Figure 1-12 Installer DependencyWarning



Some fixes may not necessarily to be installed with latest installer. It is recommended to check the bug details for more information.

Zip for the corresponding bug not available

This warning is shown because the dependent of bug which you are trying to apply is not present in the **IndividualFix Folder Path**.

Figure 1-13 Zip Not Available

To resolve this, user needs to copy the corresponding bug in the mentioned folder and press refresh button to view it in the bug list.

1.2.7 Limitations

This topic explains the limitations of Individual Fix Installer.

This is the start of your topic.

- Every Individual Fix is qualified with some rolled up version. Site should be in the same (neither previous nor later) rolledup version. Sites should not be in any intermediate patchsets.
- If a given Individual Fix is not matching with the connected FCIS environment's rolledupversion then that Individual fix will not be listed in installer for installation.
- Once the Individual Fix is applied successfully then this will not be listed out from the nextsession of Individual fix installer.
- All Java sources are always consolidated, for example INFRA, TOOLS, ADAPTER, Gateway, etc., This means that the site cannot apply fix selectively instead all Individual fixes till date from the rolled up will be included.
- If there are any dependent bugs for selected bug then all dependent bugs should be applied before applying the selected bug.
- Fix can be applied only once for back end related bugs whereas ear build (APP) can be built as many times as needed.
- Multiple sessions of Individual fix installer is not supported for single FCIS environment.
- **JS/UIXML/Help** files will be copied into destination path, user has to copy the files manually to the deployment area or External Path.
- For APP bug, Individual fix installer will consolidate the source and Build the Ear in specified location. This will not get deployed in the server.
- The applied fixes will not be rolled back automatically by the installer in case of failures.
- Individual Fix Installer will only rebuild the EAR for APP bugs, user needs to take care of the deployment.

1.2.8 Property File Creation

This topic provides information on Property File creation.

For property file maintenance, refer to the topic *FCIS_Property_File_Creation*.