Liquidity Management Extensibility
Oracle Banking Liquidity Management

Release 14.0.0.0.0
[November] [2017]

Table of Contents

1. Making an Application Customizable

1.1 Introduction

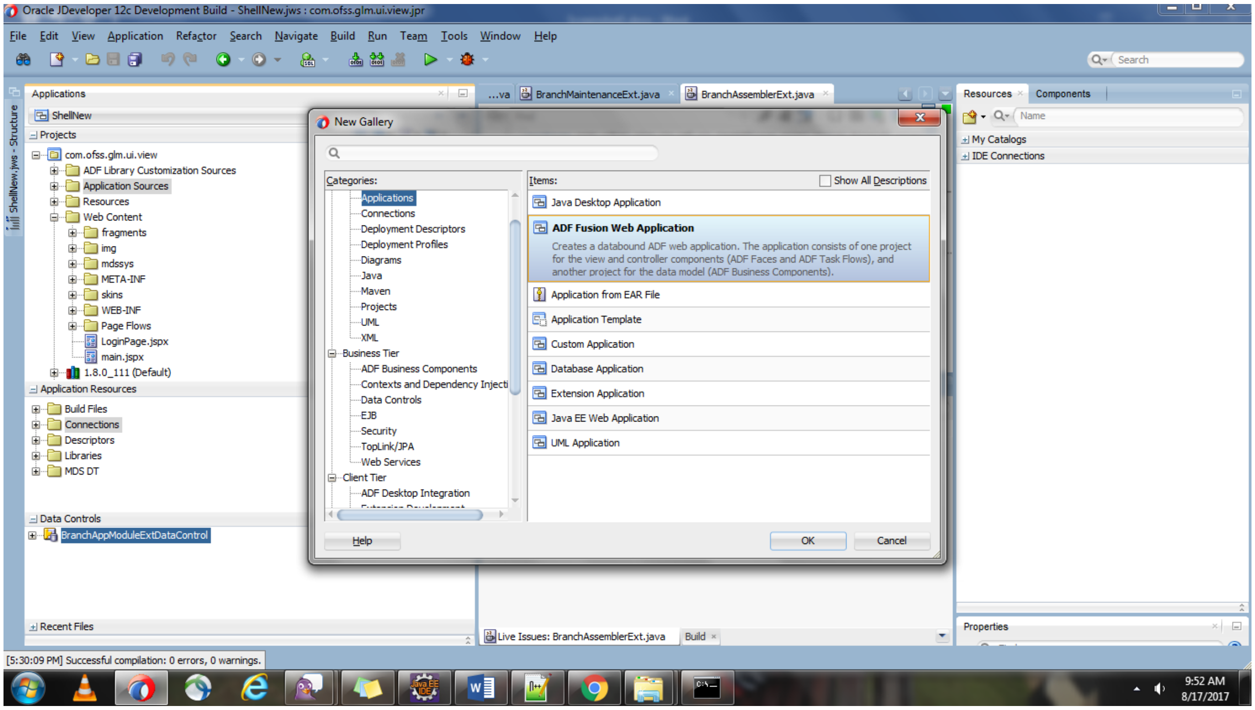
This customization functionality can be useful for companies, if you have two screens that work with the same data, but one of the screens must show more fields than the other, you can create one screen with all the fields and use customization to create another version of the same screen with fewer fields for other users.

ADF has customization features built-in, it's easy to perform the customization with minimal changes.

1.2 Developing the Customization Classes

For each layer of customization, you need to develop a customization class with a specific format technically, by extending the built-in abstract class `oracle.mds.cust.CustomizationClass`.

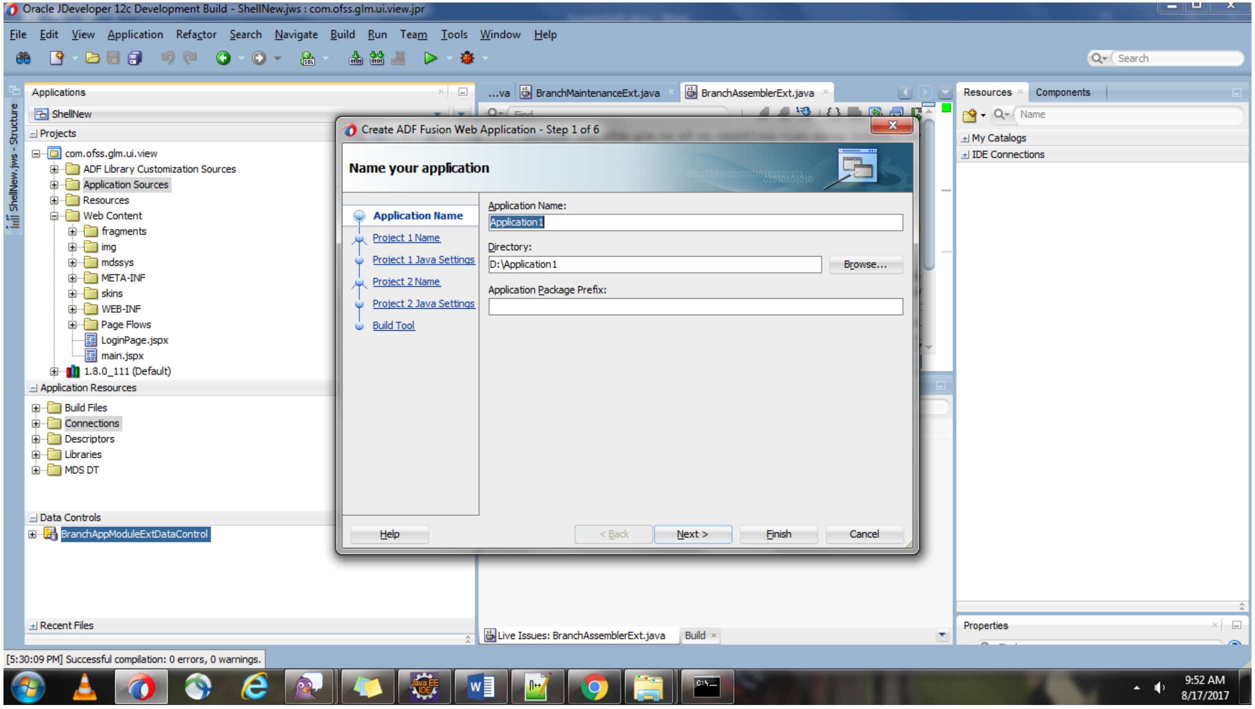
1.Create a new ADF application



Creates a databound ADF web application. The application consists of one project for the view and controller components (ADF Faces and ADF Task Flows), and another project for the data model (ADF Business Components).

[5:30:09 PM] Successful compilation: 0 errors, 0 warnings.

2. Provide proper naming conventions and finish the application creation



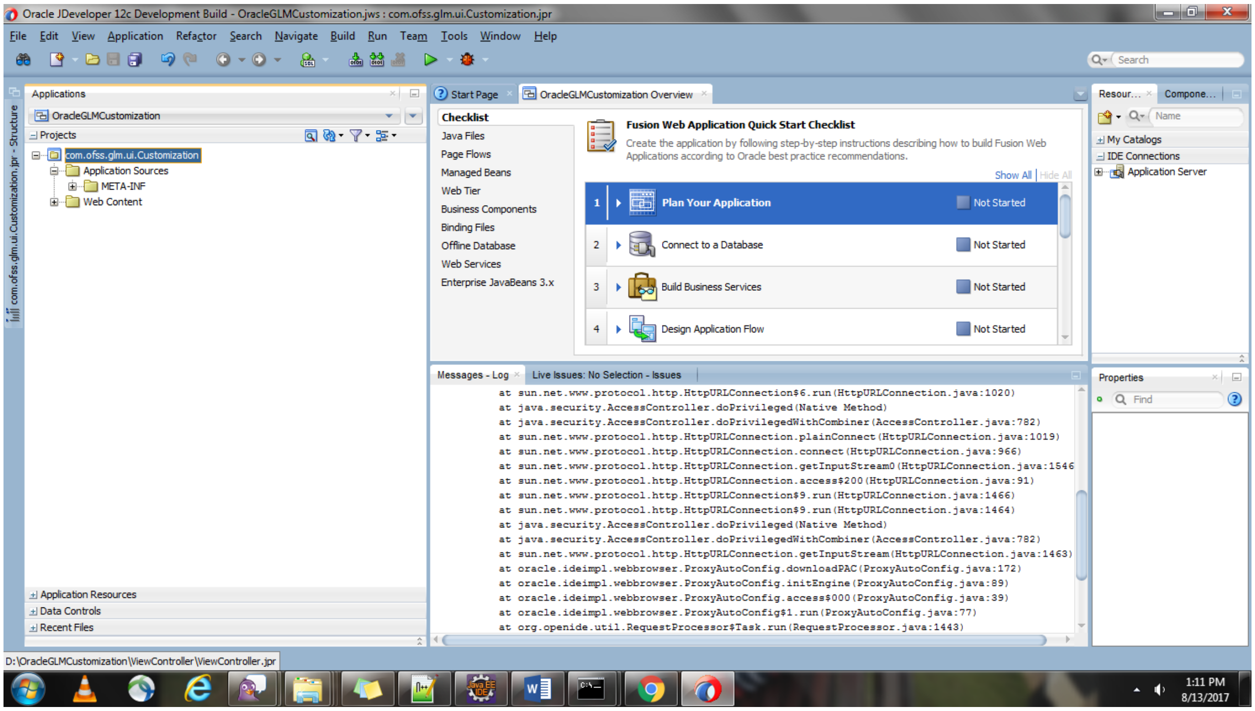
Application Name: Application1

Directory: D:\Application1

Application Package Prefix:

[5:30:09 PM] Successful compilation: 0 errors, 0 warnings.

3. Once application creation is done, delete the model as we don’t need to use that part. And view controller to be renamed (Ex: `com.ofss.glm.ui.customization`).

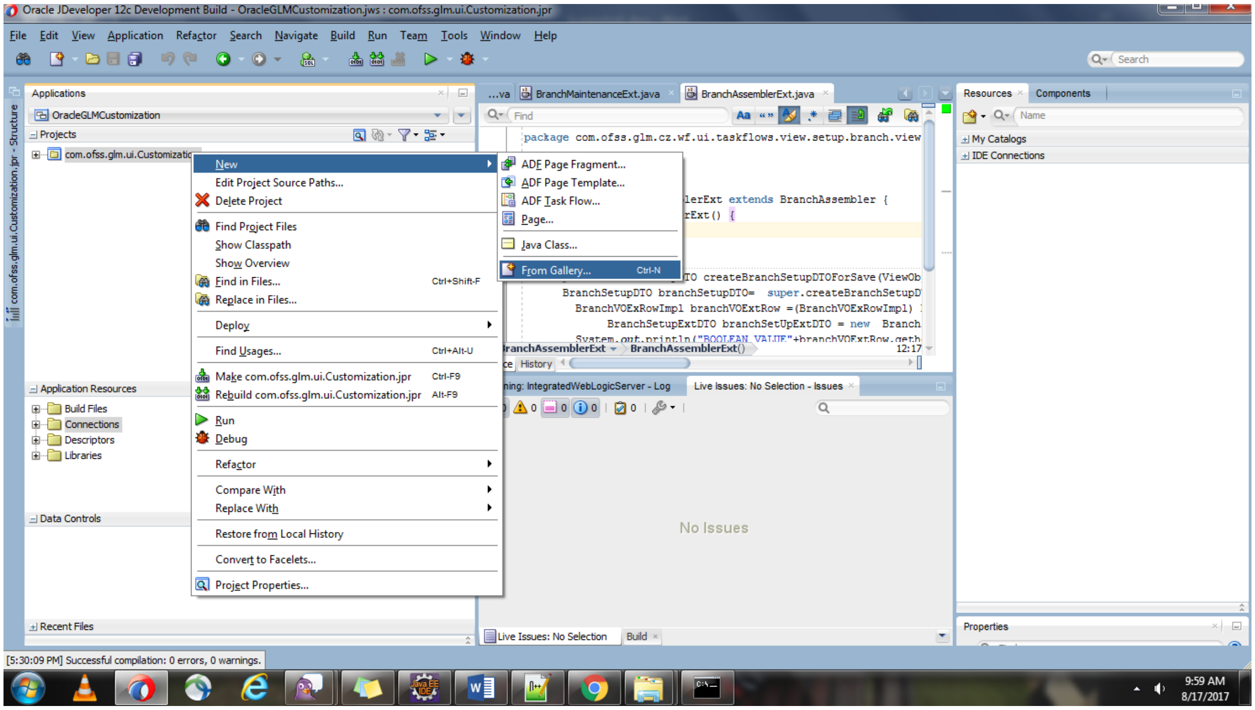

Oracle JDeveloper 12c Development Build - OracleGLMCustomization.jws : com.ofss.glm.ui.Customization.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
OracleGLMCustomization
Projects
com.ofss.glm.ui.Customization
Application Sources
META-INF
Web Content
Application Resources
Data Controls
Recent Files
Start Page
OracleGLMCustomization Overview
Checklist
Java Files
Page Flows
Managed Beans
Web Tier
Business Components
Binding Files
Offline Database
Web Services
Enterprise JavaBeans 3.x
Fusion Web Application Quick Start Checklist
Show All
Hide All
1 Plan Your Application Not Started
2 Connect to a Database Not Started
3 Build Business Services Not Started
4 Design Application Flow Not Started
Resour...
Compone...
My Catalogs
IDE Connections
Application Server
Properties
Messages - Log
Live Issues: No Selection - Issues
1:11 PM
8/13/2017

Create the application by following step-by-step instructions describing how to build Fusion Web Applications according to Oracle best practice recommendations.

```
        at sun.net.www.protocol.http.HttpURLConnection$6.run(HttpURLConnection.java:1020)
        at java.security.AccessController.doPrivileged(Native Method)
        at java.security.AccessController.doPrivilegedWithCombiner(AccessController.java:782)
        at sun.net.www.protocol.http.HttpURLConnection.plainConnect(HttpURLConnection.java:1019)
        at sun.net.www.protocol.http.HttpURLConnection.connect(HttpURLConnection.java:966)
        at sun.net.www.protocol.http.HttpURLConnection.getInputStream0(HttpURLConnection.java:1546
        at sun.net.www.protocol.http.HttpURLConnection.access$200(HttpURLConnection.java:91)
        at sun.net.www.protocol.http.HttpURLConnection$9.run(HttpURLConnection.java:1466)
        at sun.net.www.protocol.http.HttpURLConnection$9.run(HttpURLConnection.java:1464)
        at java.security.AccessController.doPrivileged(Native Method)
        at java.security.AccessController.doPrivilegedWithCombiner(AccessController.java:782)
        at sun.net.www.protocol.http.HttpURLConnection.getInputStream(HttpURLConnection.java:1463)
        at oracle.ideimpl.webbrowser.ProxyAutoConfig.downloadPAC(ProxyAutoConfig.java:172)
        at oracle.ideimpl.webbrowser.ProxyAutoConfig.initEngine(ProxyAutoConfig.java:89)
        at oracle.ideimpl.webbrowser.ProxyAutoConfig.access$000(ProxyAutoConfig.java:39)
        at oracle.ideimpl.webbrowser.ProxyAutoConfig$1.run(ProxyAutoConfig.java:77)
        at org.openide.util.RequestProcessor$Task.run(RequestProcessor.java:1443)
```

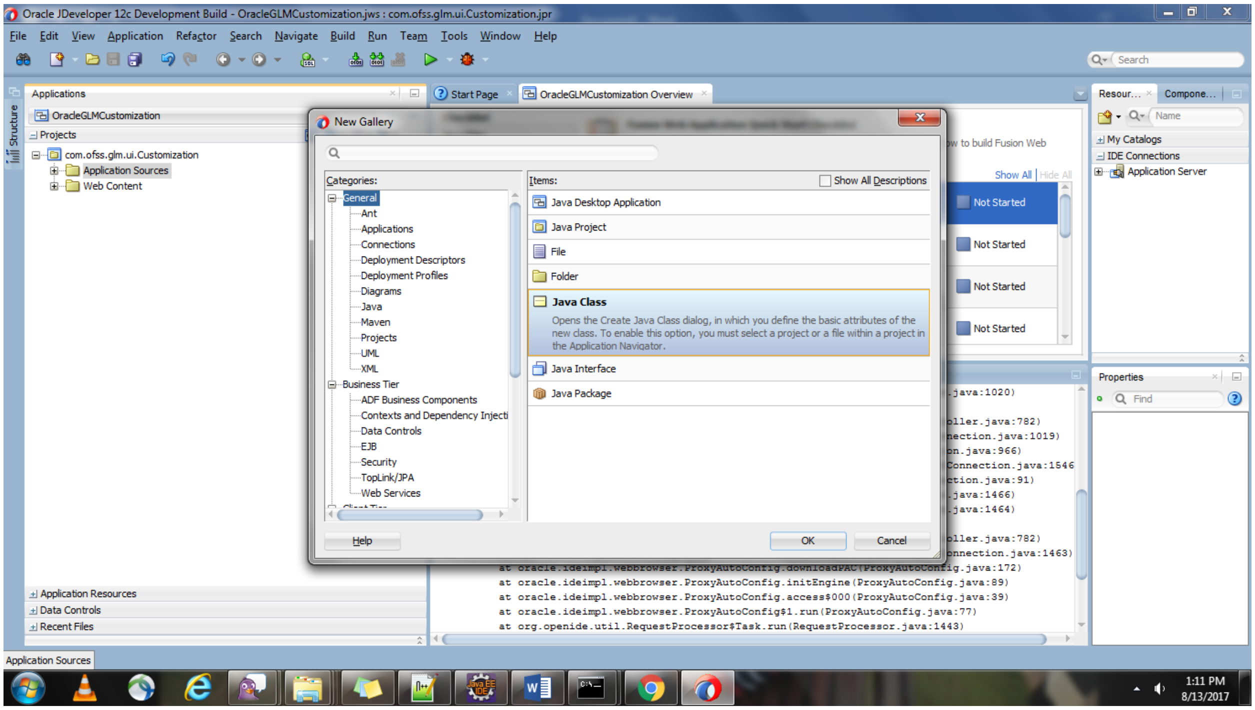
D:\OracleGLMCustomization\ViewController\ViewController.jpr

4. Create the Customization classes that can be used.



```
package com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view
lerExt extends BranchAssembler {
rExt() {
TO createBranchSetupDTOForSave(ViewOb
    BranchSetupDTO branchSetupDTO= super.createBranchSetupD
    BranchVOExRowImpl branchVOExtRow =(BranchVOExRowImpl)
        BranchSetupExtDTO branchSetUpExtDTO = new Branch
    System.out.println("BOOLEAN VALUE"+branchVOExtRow.geth
```

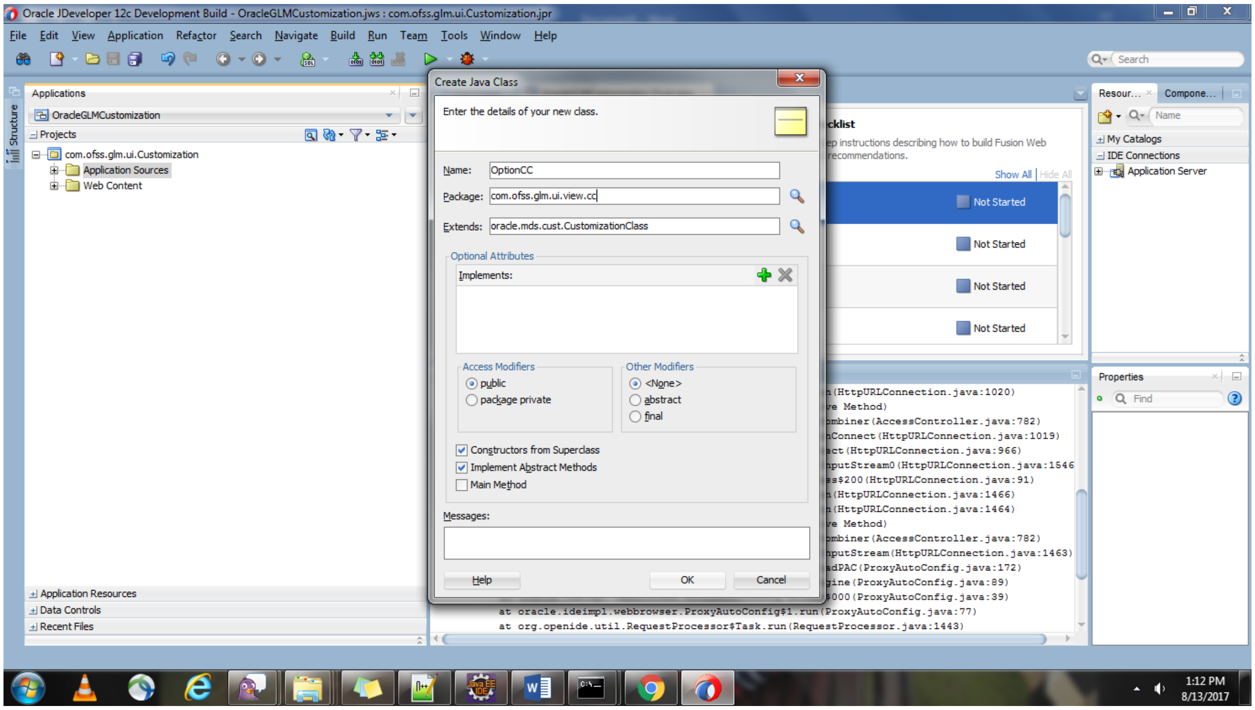
[5:30:09 PM] Successful compilation: 0 errors, 0 warnings.



Opens the Create Java Class dialog, in which you define the basic attributes of the new class. To enable this option, you must select a project or a file within a project in the Application Navigator.

```
.java:1020)
oller.java:782)
nection.java:1019)
on.java:966)
Connection.java:1546
ction.java:91)
.java:1466)
.java:1464)
oller.java:782)
nnection.java:1463)
at oracle.ideimpl.webbrowser.ProxyAutoConfig.downloadPAC(ProxyAutoConfig.java:172)
at oracle.ideimpl.webbrowser.ProxyAutoConfig.initEngine(ProxyAutoConfig.java:89)
at oracle.ideimpl.webbrowser.ProxyAutoConfig.access$000(ProxyAutoConfig.java:39)
at oracle.ideimpl.webbrowser.ProxyAutoConfig$1.run(ProxyAutoConfig.java:77)
at org.openide.util.RequestProcessor$Task.run(RequestProcessor.java:1443)
```

5. Name the Class as per naming conventions and package too.
   In Extends click on Search and Type Customization Class, and try to select as shown in the screenshot (`oracle.mds.cust.CustomizationClass`)



Oracle JDeveloper 12c Development Build - OracleGLMCustomization.jws : com.ofss.glm.ui.Customization.jpr

Create Java Class

Enter the details of your new class.

Name: OptionCC

Package: com.ofss.glm.ui.view.cc

Extends: oracle.mds.cust.CustomizationClass

Optional Attributes

Implements:

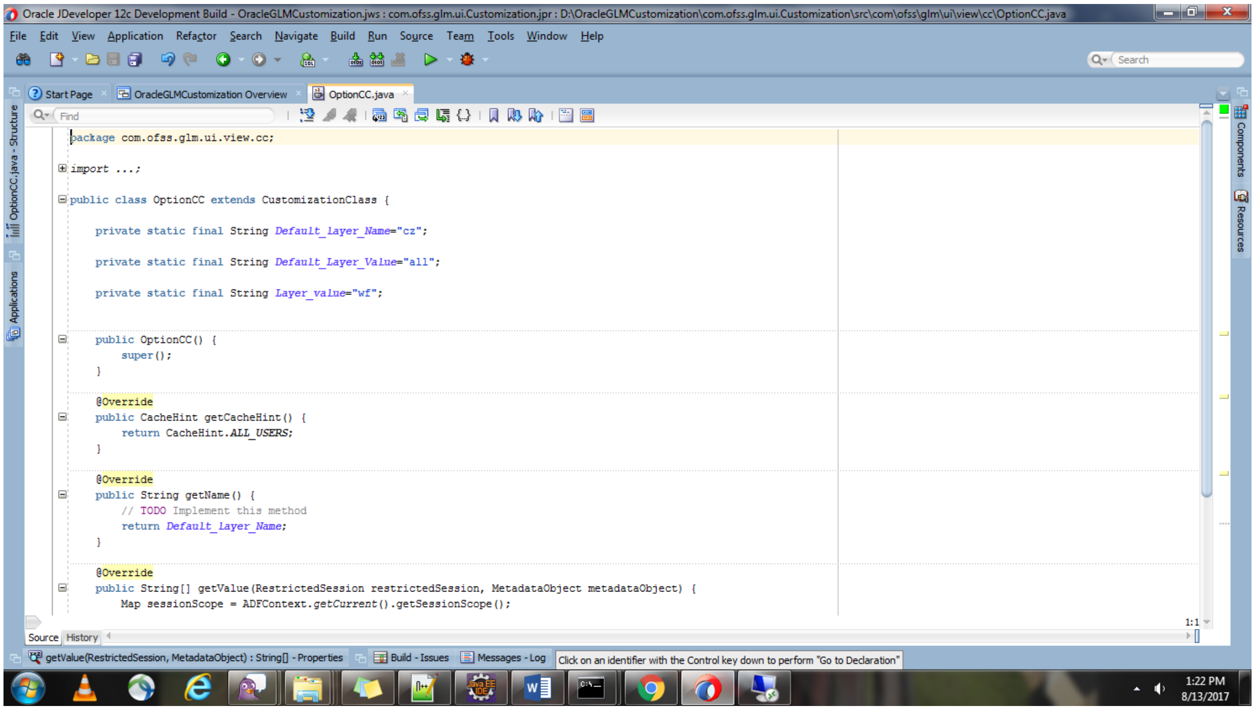
Access Modifiers
- ● public
- ○ package private

Other Modifiers
- ● <None>
- ○ abstract
- ○ final

- ☑ Constructors from Superclass
- ☑ Implement Abstract Methods
- □ Main Method

Messages:

```
n(HttpURLConnection.java:1020)
ve Method)
ombiner(AccessController.java:782)
nConnect(HttpURLConnection.java:1019)
ect(HttpURLConnection.java:966)
nputStream0(HttpURLConnection.java:1546
ss$200(HttpURLConnection.java:91)
n(HttpURLConnection.java:1466)
n(HttpURLConnection.java:1464)
ve Method)
ombiner(AccessController.java:782)
nputStream(HttpURLConnection.java:1463)
adPAC(ProxyAutoConfig.java:172)
gine(ProxyAutoConfig.java:89)
$000(ProxyAutoConfig.java:39)
at oracle.ideimpl.webbrowser.ProxyAutoConfig$1.run(ProxyAutoConfig.java:77)
at org.openide.util.RequestProcessor$Task.run(RequestProcessor.java:1443)
```



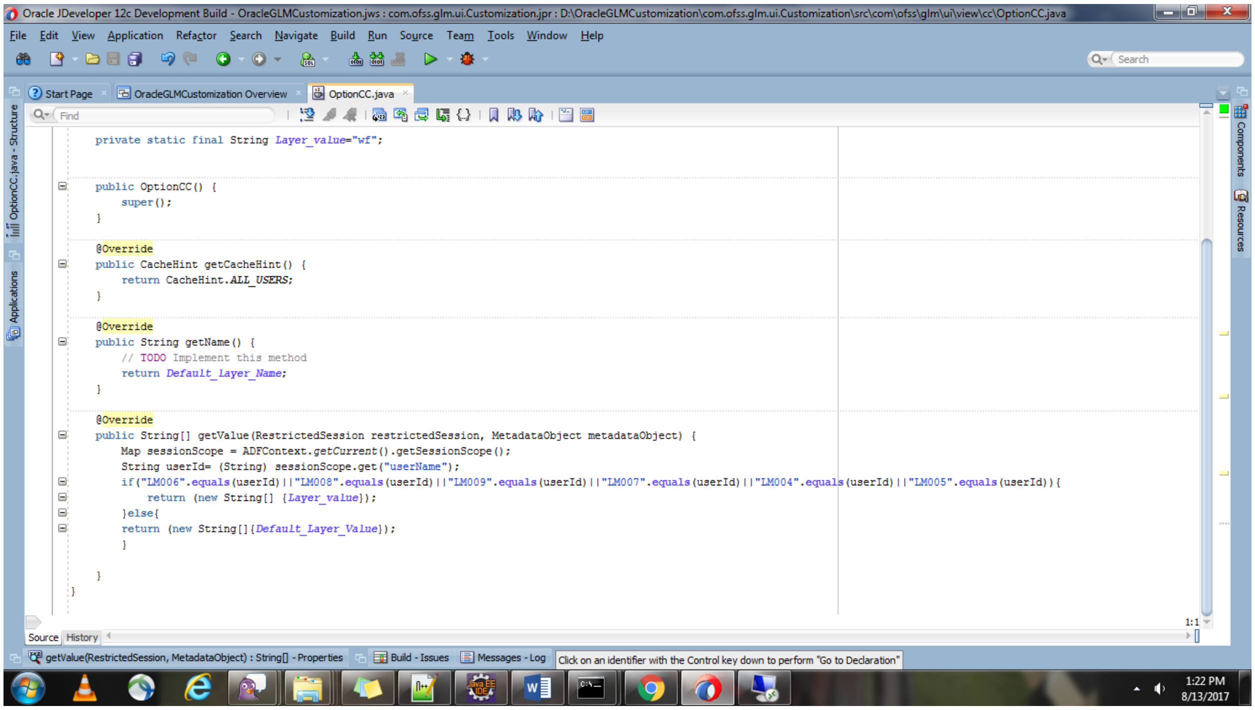
Oracle JDeveloper 12c Development Build - OracleGLMCustomization.jws : com.ofss.glm.ui.Customization.jpr : D:\OracleGLMCustomization\com.ofss.glm.ui.Customization\src\com\ofss\glm\ui\view\cc\OptionCC.java

```
package com.ofss.glm.ui.view.cc;

import ...;

public class OptionCC extends CustomizationClass {

    private static final String Default_layer_Name="cz";

    private static final String Default_Layer_Value="all";

    private static final String Layer_value="wf";


    public OptionCC() {
        super();
    }

    @Override
    public CacheHint getCacheHint() {
        return CacheHint.ALL_USERS;
    }

    @Override
    public String getName() {
        // TODO Implement this method
        return Default_layer_Name;
    }

    @Override
    public String[] getValue(RestrictedSession restrictedSession, MetadataObject metadataObject) {
        Map sessionScope = ADFContext.getCurrent().getSessionScope();
```

Click on an identifier with the Control key down to perform "Go to Declaration"

6. `getName()` method defines the name of the customization layer.

`getValue()` defines the logic when the customizations should be shown.


Oracle JDeveloper 12c Development Build - OracleGLMCustomization.jws : com.ofss.glm.ui.Customization.jpr : D:\OracleGLMCustomization\com.ofss.glm.ui.Customization\src\com\ofss\glm\ui\view\cc\OptionCC.java
File Edit View Application Refactor Search Navigate Build Run Source Team Tools Window Help
Start Page
OracleGLMCustomization Overview
OptionCC.java
Source History
getValue(RestrictedSession, MetadataObject) : String[] - Properties
Build - Issues
Messages - Log
Click on an identifier with the Control key down to perform "Go to Declaration"
1:22 PM
8/13/2017

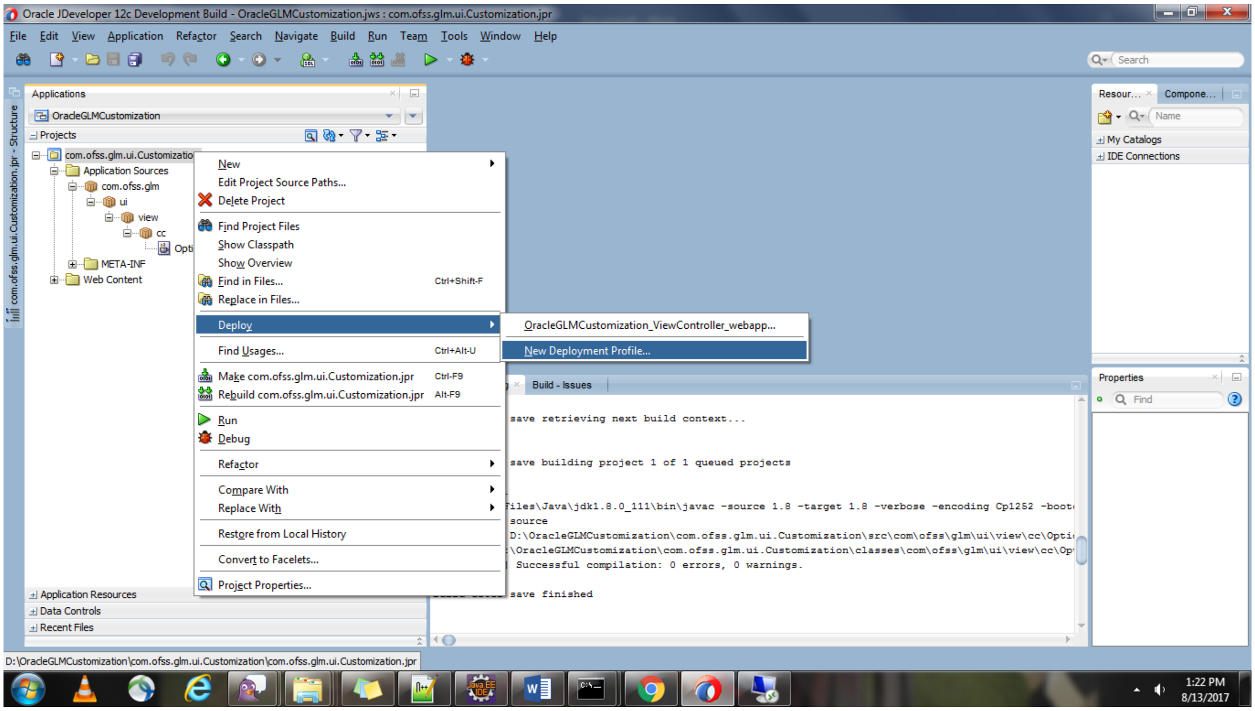
```
    private static final String Layer_value="wf";


    public OptionCC() {
        super();
    }

    @Override
    public CacheHint getCacheHint() {
        return CacheHint.ALL_USERS;
    }

    @Override
    public String getName() {
        // TODO Implement this method
        return Default_layer_Name;
    }

    @Override
    public String[] getValue(RestrictedSession restrictedSession, MetadataObject metadataObject) {
        Map sessionScope = ADFContext.getCurrent().getSessionScope();
        String userId= (String) sessionScope.get("userName");
        if("LM006".equals(userId)||"LM008".equals(userId)||"LM009".equals(userId)||"LM007".equals(userId)||"LM004".equals(userId)||"LM005".equals(userId)){
            return (new String[] {Layer_value});
        }else{
        return (new String[]{Default_Layer_Value});
        }

    }
}
```

7. Based on the requirement of different customization layers, we can create customization classes. As of now we have one layer "CZ" with values "wf" and "all"(default).

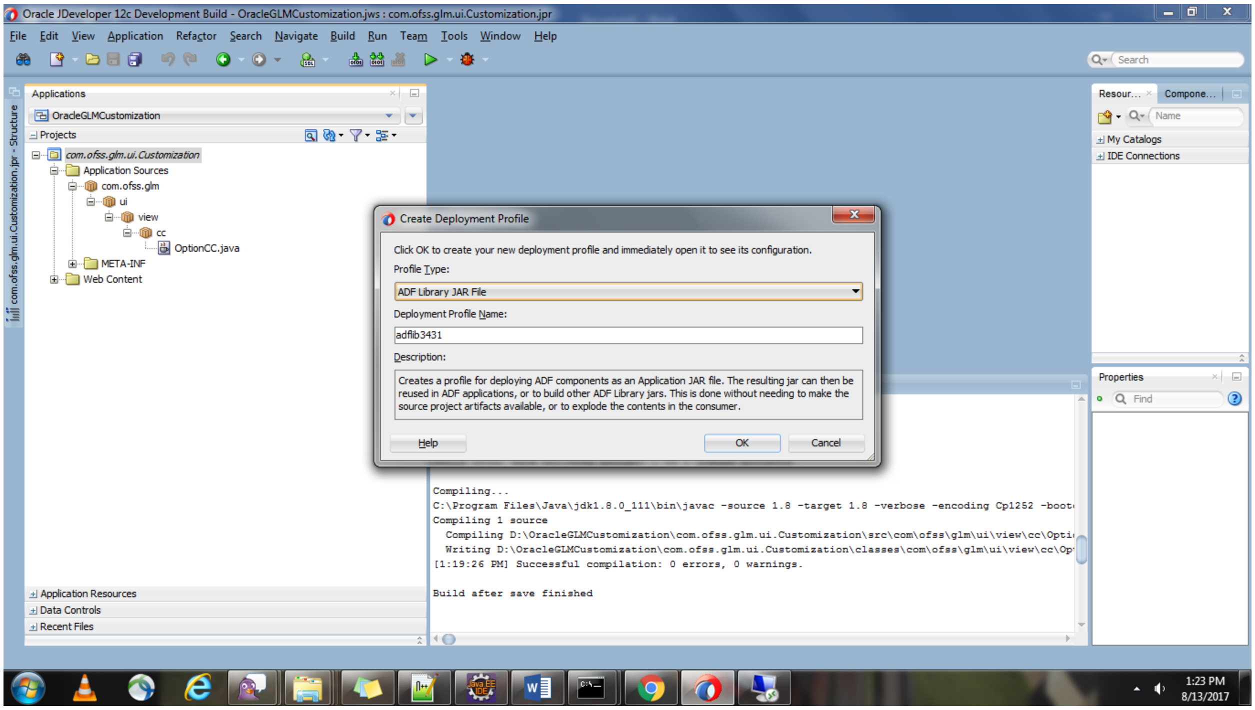
1.3 Deploying the customization classes

Because you place your customization class in the different project, you need to deploy the project to an ADF library to use it on customizable application.

Now deploy this project as a JAR File by creating a new deployment profile. (Follow the screenshots to do the same)


Oracle JDeveloper 12c Development Build - OracleGLMCustomization.jws : com.ofss.glm.ui.Customization.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
OracleGLMCustomization
Projects
com.ofss.glm.ui.Customizatio
Application Sources
com.ofss.glm
ui
view
cc
Opti
META-INF
Web Content
Application Resources
Data Controls
Recent Files
New
Edit Project Source Paths...
Delete Project
Find Project Files
Show Classpath
Show Overview
Find in Files... Ctrl+Shift-F
Replace in Files...
Deploy
Find Usages... Ctrl+Alt-U
Make com.ofss.glm.ui.Customization.jpr Ctrl-F9
Rebuild com.ofss.glm.ui.Customization.jpr Alt-F9
Run
Debug
Refactor
Compare With
Replace With
Restore from Local History
Convert to Facelets...
Project Properties...
OracleGLMCustomization_ViewController_webapp...
New Deployment Profile...
Build - Issues
Resour...
Compone...
Name
My Catalogs
IDE Connections
Properties
Find
D:\OracleGLMCustomization\com.ofss.glm.ui.Customization\com.ofss.glm.ui.Customization.jpr
1:22 PM
8/13/2017

```
save retrieving next build context...


save building project 1 of 1 queued projects


Files\Java\jdk1.8.0_111\bin\javac -source 1.8 -target 1.8 -verbose -encoding Cp1252 -boot
source
D:\OracleGLMCustomization\com.ofss.glm.ui.Customization\src\com\ofss\glm\ui\view\cc\Opti
\OracleGLMCustomization\com.ofss.glm.ui.Customization\classes\com\ofss\glm\ui\view\cc\Op
 Successful compilation: 0 errors, 0 warnings.

save finished
```



Create Deployment Profile

Click OK to create your new deployment profile and immediately open it to see its configuration.

Profile Type: ADF Library JAR File

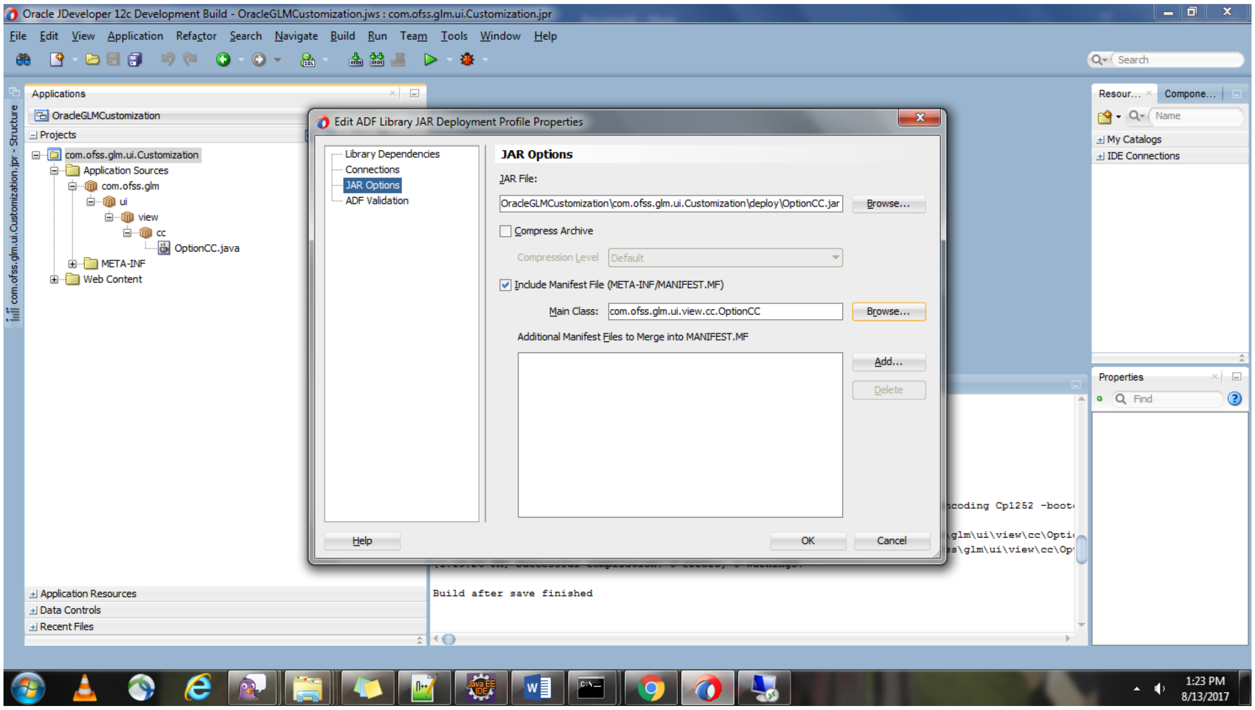
Deployment Profile Name: adflib3431

Description:

Creates a profile for deploying ADF components as an Application JAR file. The resulting jar can then be reused in ADF applications, or to build other ADF Library jars. This is done without needing to make the source project artifacts available, or to explode the contents in the consumer.

Help | OK | Cancel

```
Compiling...
C:\Program Files\Java\jdk1.8.0_111\bin\javac -source 1.8 -target 1.8 -verbose -encoding Cp1252 -boot
Compiling 1 source
  Compiling D:\OracleGLMCustomization\com.ofss.glm.ui.Customization\src\com\ofss\glm\ui\view\cc\Opti
  Writing D:\OracleGLMCustomization\com.ofss.glm.ui.Customization\classes\com\ofss\glm\ui\view\cc\Op
[1:19:26 PM] Successful compilation: 0 errors, 0 warnings.

Build after save finished
```



Edit ADF Library JAR Deployment Profile Properties

- Library Dependencies
- Connections
- JAR Options
- ADF Validation

JAR Options

JAR File: OracleGLMCustomization\com.ofss.glm.ui.Customization\deploy\OptionCC.jar Browse...

☐ Compress Archive

Compression Level: Default

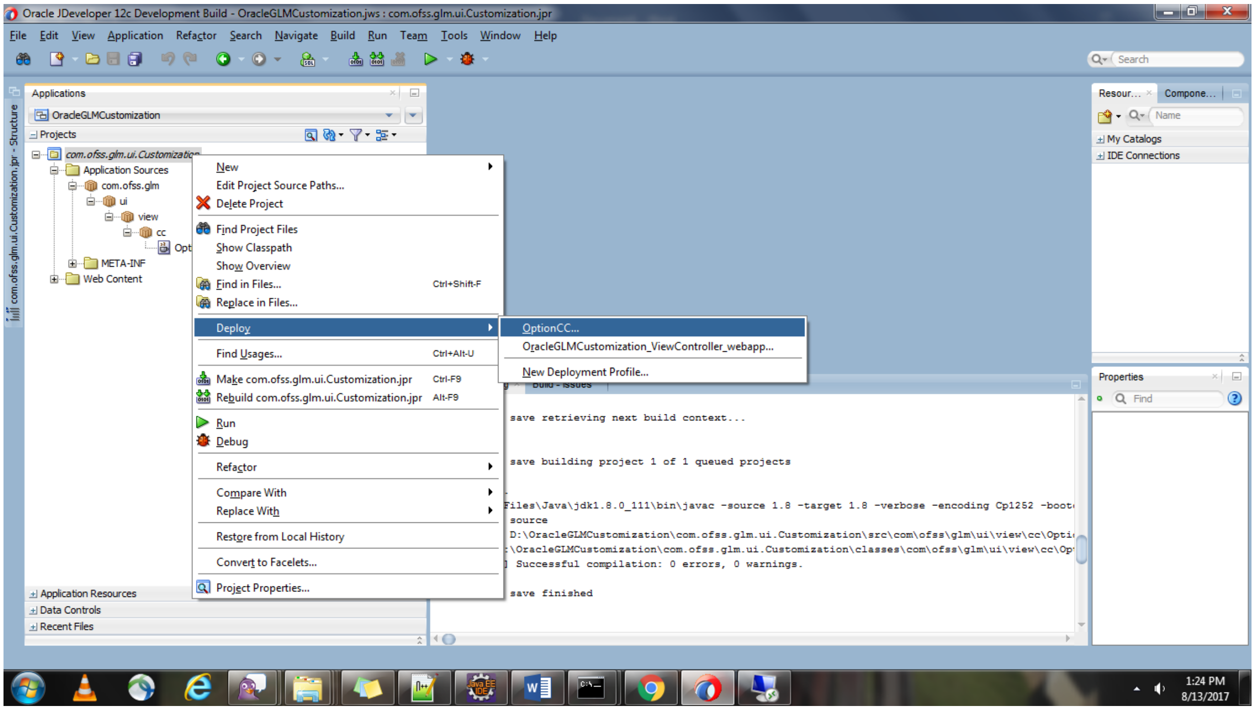
☑ Include Manifest File (META-INF/MANIFEST.MF)

Main Class: com.ofss.glm.ui.view.cc.OptionCC Browse...

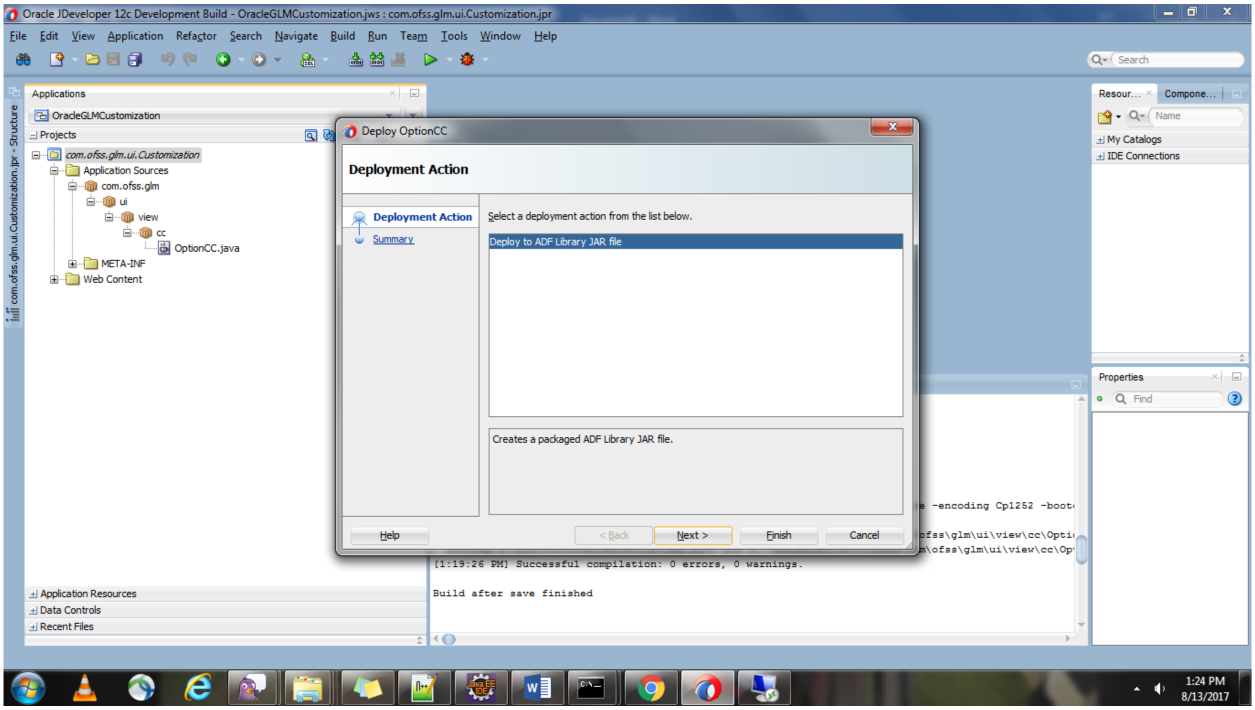
Additional Manifest Files to Merge into MANIFEST.MF Add... | Delete

Help | OK | Cancel

```
Build after save finished
```


Oracle JDeveloper 12c Development Build - OracleGLMCustomization.jws : com.ofss.glm.ui.Customization.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
OracleGLMCustomization
Projects
com.ofss.glm.ui.Customization
Application Sources
com.ofss.glm
ui
view
cc
META-INF
Web Content
Application Resources
Data Controls
Recent Files
New
Edit Project Source Paths...
Delete Project
Find Project Files
Show Classpath
Show Overview
Find in Files... Ctrl+Shift-F
Replace in Files...
Deploy
Find Usages... Ctrl+Alt-U
Make com.ofss.glm.ui.Customization.jpr Ctrl-F9
Rebuild com.ofss.glm.ui.Customization.jpr Alt-F9
Run
Debug
Refactor
Compare With
Replace With
Restore from Local History
Convert to Facelets...
Project Properties...
OptionCC...
OracleGLMCustomization_ViewController_webapp...
New Deployment Profile...
Resour... Compone...
My Catalogs
IDE Connections
Properties
1:24 PM
8/13/2017

```
save retrieving next build context...


save building project 1 of 1 queued projects


Files\Java\jdk1.8.0_111\bin\javac -source 1.8 -target 1.8 -verbose -encoding Cp1252 -boot
 source
 D:\OracleGLMCustomization\com.ofss.glm.ui.Customization\src\com\ofss\glm\ui\view\cc\Opti
:\OracleGLMCustomization\com.ofss.glm.ui.Customization\classes\com\ofss\glm\ui\view\cc\Op
] Successful compilation: 0 errors, 0 warnings.

save finished
```



Select a deployment action from the list below.

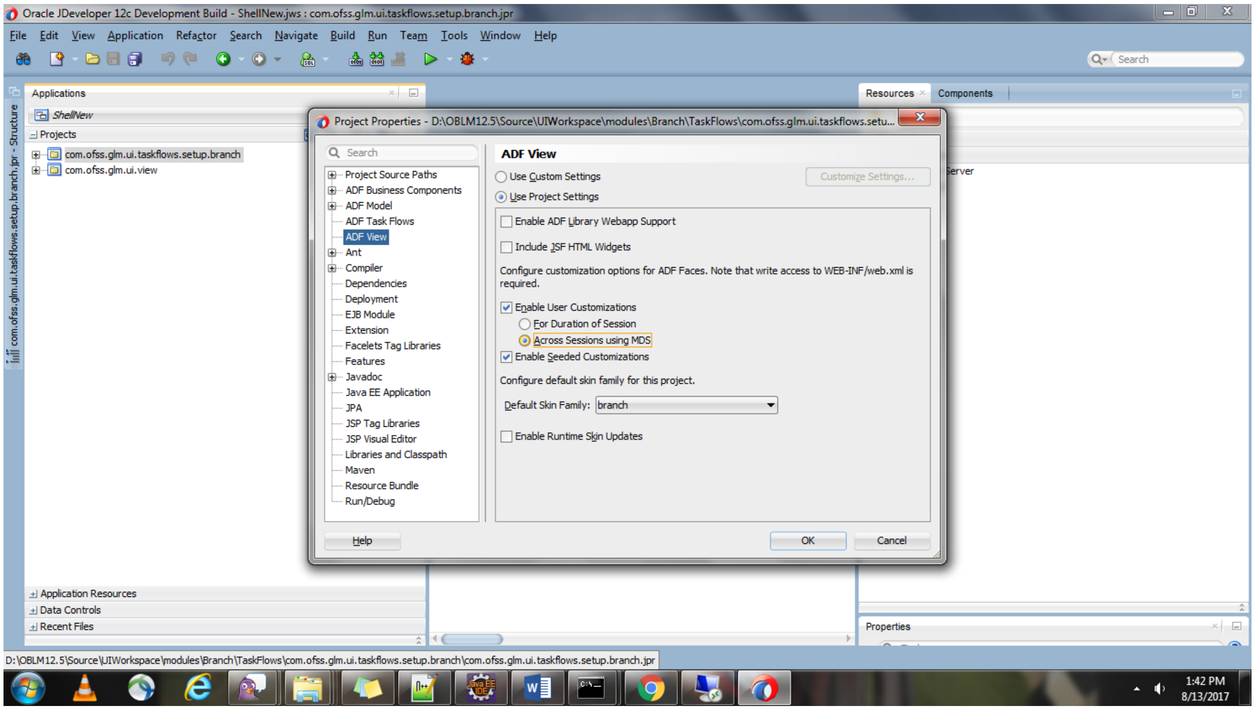
Deploy to ADF Library JAR file

Creates a packaged ADF Library JAR file.

```
[1:19:26 PM] Successful compilation: 0 errors, 0 warnings.

Build after save finished
```

1.4 Enabling Seeded Customization

1. Verify that Seeded Customizations is enabled for the module/screen that you want to customize. This helps in customizing the jsff/taskflow etc. files in customization developer mode.



Project Properties - D:\OBLM12.5\Source\UIWorkspace\modules\Branch\TaskFlows\com.ofss.glm.ui.taskflows.setu...

ADF View

○ Use Custom Settings

● Use Project Settings

□ Enable ADF Library Webapp Support

□ Include JSF HTML Widgets

Configure customization options for ADF Faces. Note that write access to WEB-INF/web.xml is required.

☑ Enable User Customizations

○ For Duration of Session

● Across Sessions using MDS

☑ Enable Seeded Customizations

Configure default skin family for this project.

Default Skin Family: branch

□ Enable Runtime Skin Updates

D:\OBLM12.5\Source\UIWorkspace\modules\Branch\TaskFlows\com.ofss.glm.ui.taskflows.setup.branch\com.ofss.glm.ui.taskflows.setup.branch.jpr

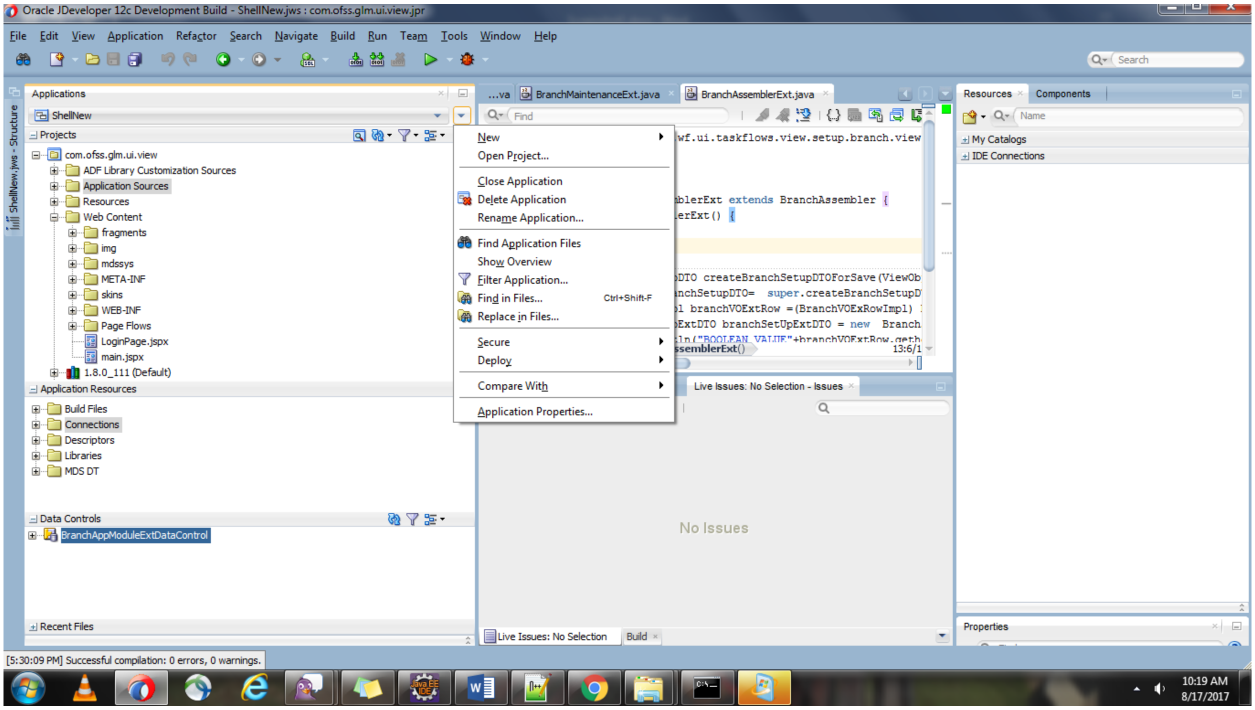
2. Open adfm.xml in project's META-INF project and add BusinessComponentProjectRegistry and BusinessComponentServiceRegistry tags. This helps to fetch the view objects from libraries.

```
<?xml version = '1.0' encoding = 'UTF-8'?>
<MetadataDirectory xmlns="http://xmlns.oracle.com/adfm/metainf"
version="11.1.1.0.0">
<BusinessComponentProjectRegistry
path="com/ofss/glm/ui/taskflows/view/setup/branch/comOfssGlmUiTaskflowsSetupB
ranch.jpx"/>
<BusinessComponentServiceRegistry
path="com/ofss/glm/ui/taskflows/view/setup/branch/common/bc4j.xcfg"/>
<DataBindingRegistry
path="com/ofss/glm/ui/taskflows/view/setup/branch/DataBindings.cpx"/>
</MetadataDirectory>
```

3. Now open the view project by removing all dependencies of modules.

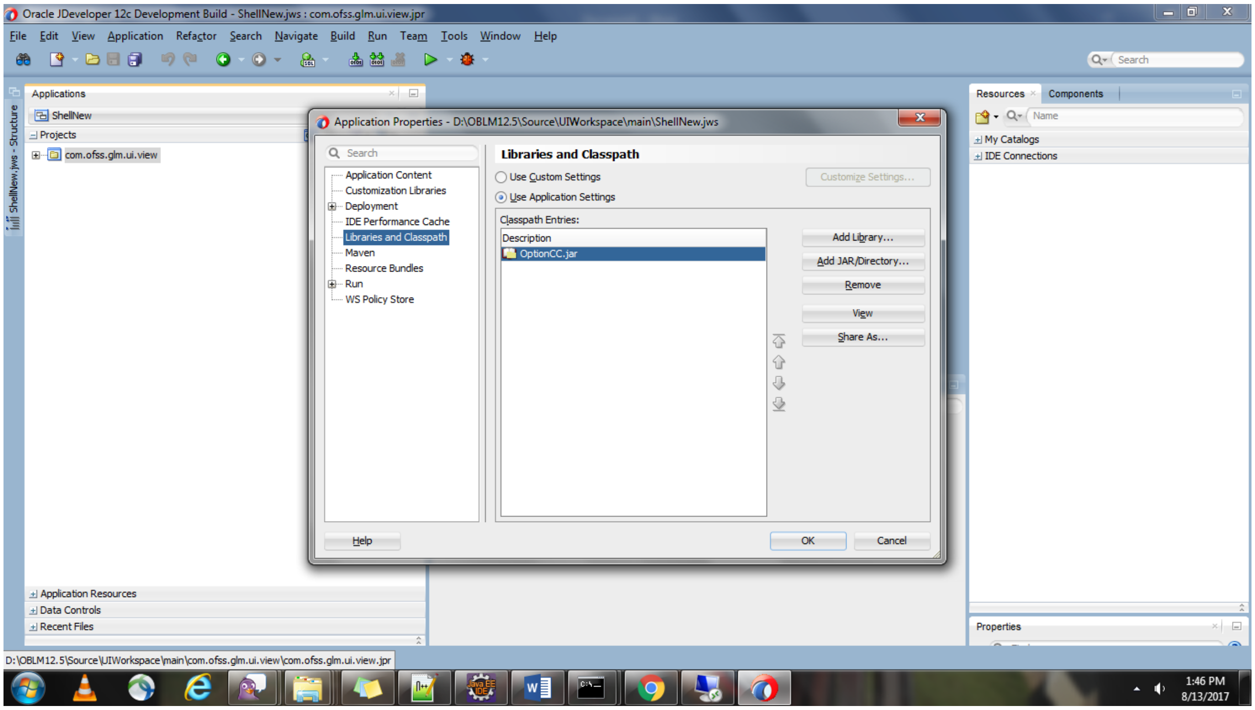
Go to Application Properties and add the library (in Libraries and ClassPath By clicking on Add JAR) which was created earlier for customization layer specification.

1.5 Linking the customization class to the application



```
wf.ui.taskflows.view.setup.branch.view
blerExt extends BranchAssembler {
erExt() {
DTO createBranchSetupDTOForSave(ViewOb
nchSetupDTO=  super.createBranchSetupD
l branchVOExtRow =(BranchVOExRowImpl)
ExtDTO branchSetUpExtDTO = new  Branch
ln("BOOLEAN VALUE"+branchVOExtRow.geth
```

[5:30:09 PM] Successful compilation: 0 errors, 0 warnings.



Libraries and Classpath

○ Use Custom Settings

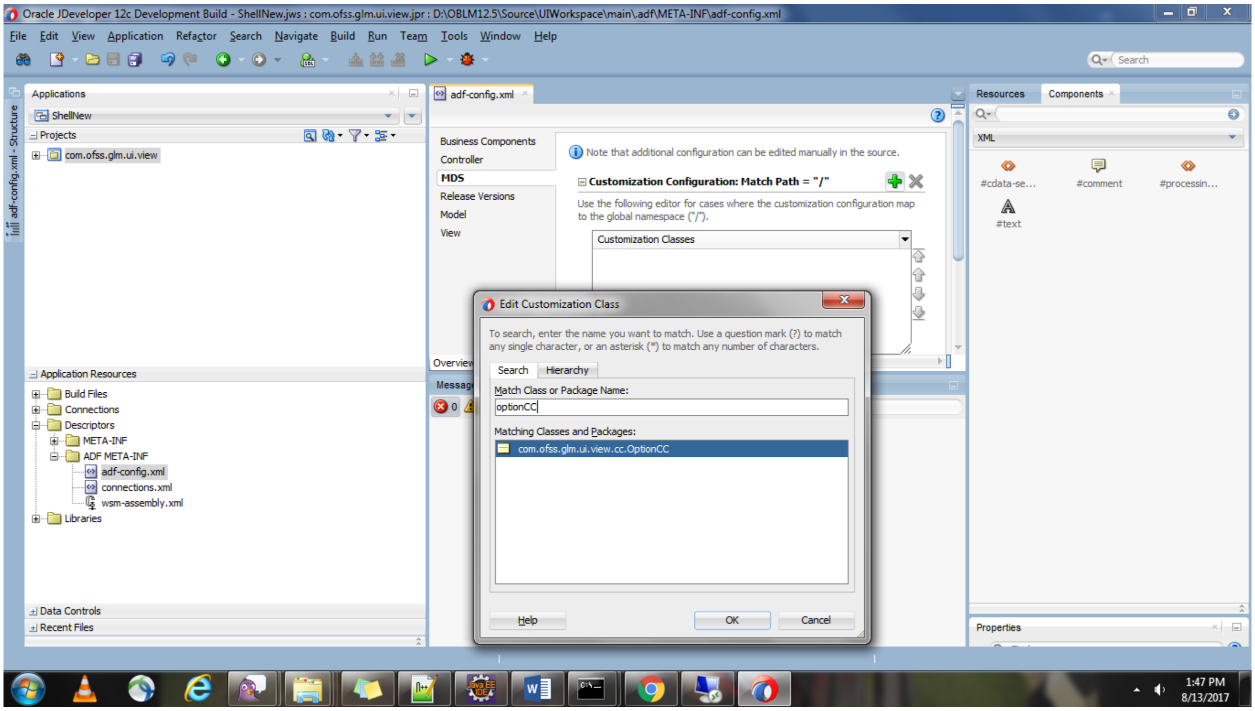
● Use Application Settings

Classpath Entries:

Description
OptionCC.jar

D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\com.ofss.glm.ui.view.jpr

1. Now Open Application Resources tab -> Descriptors -> ADF-METAINF-> adf-config.xml
Click on MDS and then add the customization classes which is present in library.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\.adf\META-INF\adf-config.xml

Note that additional configuration can be edited manually in the source.

Customization Configuration: Match Path = "/"

Use the following editor for cases where the customization configuration map to the global namespace ("/").

Edit Customization Class

To search, enter the name you want to match. Use a question mark (?) to match any single character, or an asterisk (*) to match any number of characters.

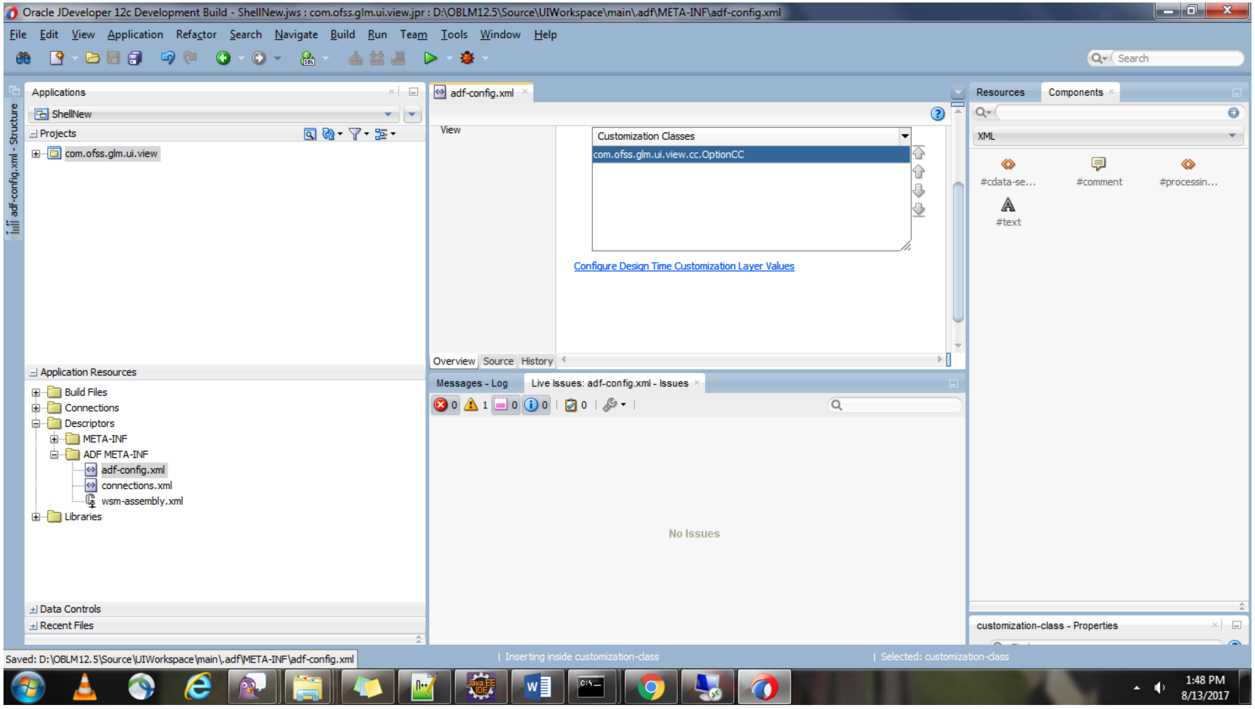
Match Class or Package Name: optionCC

Matching Classes and Packages:

com.ofss.glm.ui.view.cc.OptionCC

2. Once added click on “Configure Design time Customization Layer Values” link to generate customizationLayerValues.xml file.

3. Edit the Xml file as per our requirement.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\.adf\META-INF\adf-config.xml

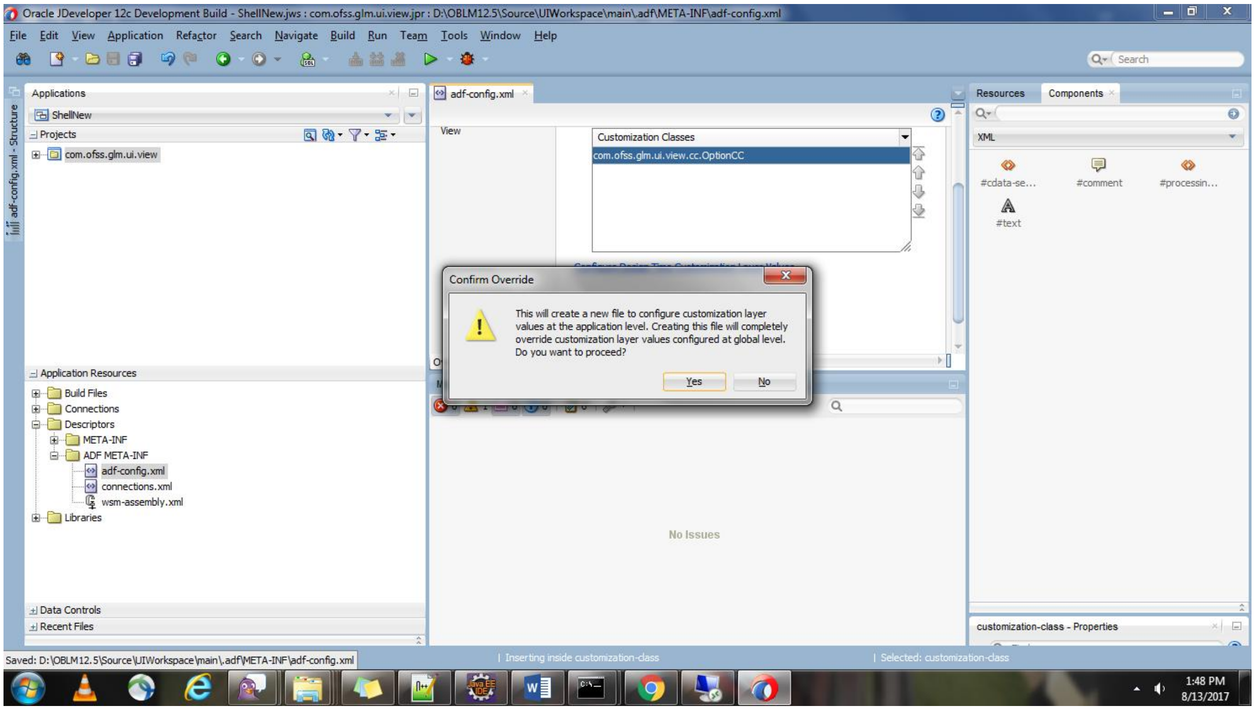
Customization Classes

com.ofss.glm.ui.view.cc.OptionCC

Configure Design Time Customization Layer Values

No Issues

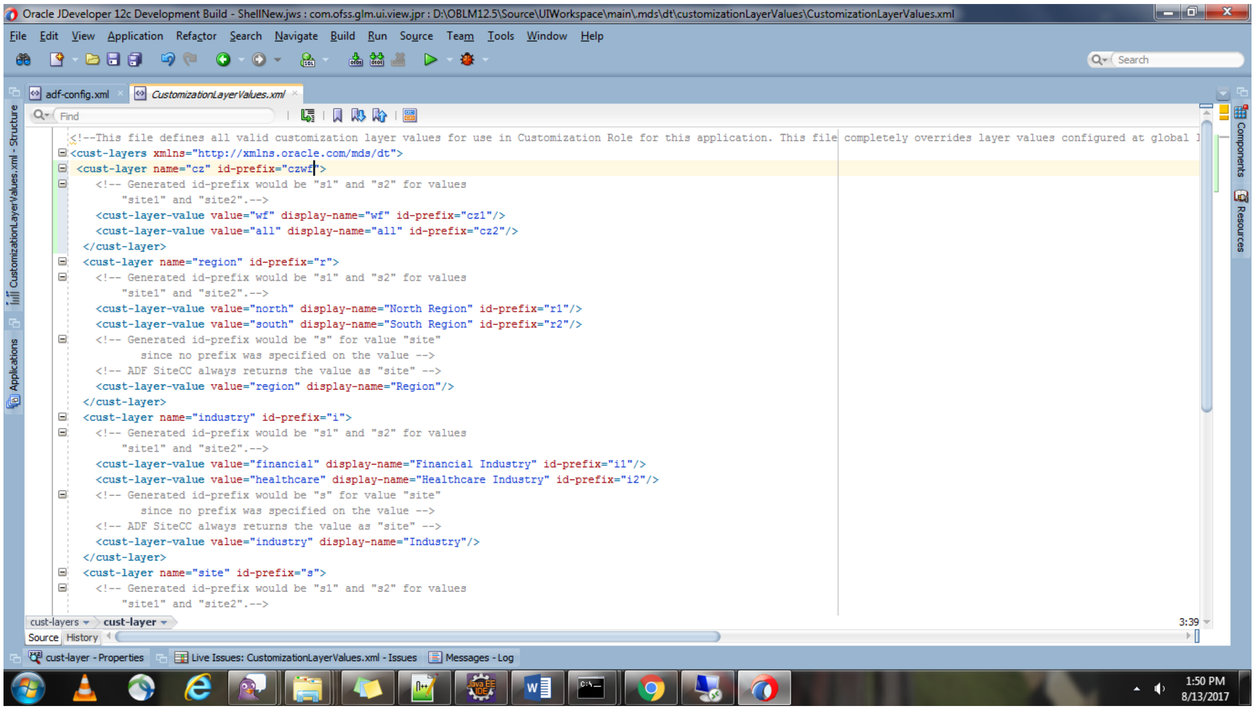
Saved: D:\OBLM12.5\Source\UIWorkspace\main\.adf\META-INF\adf-config.xml | Inserting inside customization-class | Selected: customization-class



Confirm Override

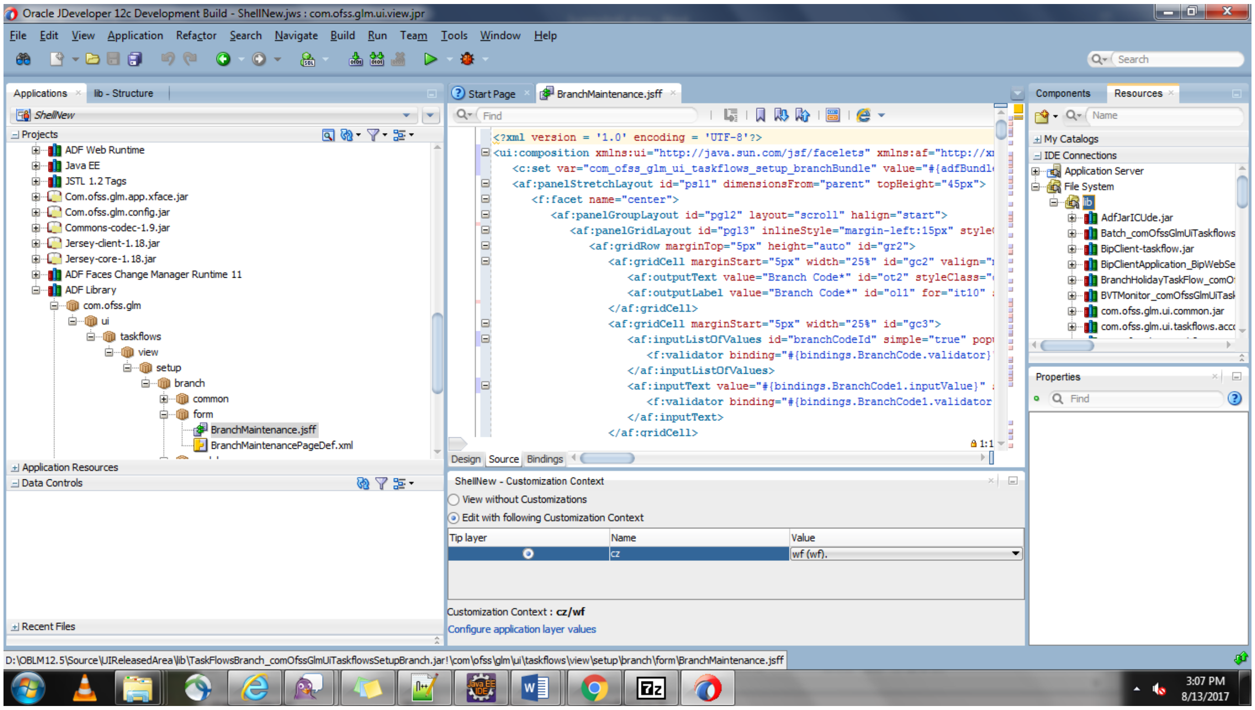
This will create a new file to configure customization layer values at the application level. Creating this file will completely override customization layer values configured at global level. Do you want to proceed?

Yes No


Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\.mds\dt\customizationLayerValues\CustomizationLayerValues.xml
File
Edit
View
Application
Refactor
Search
Navigate
Build
Run
Source
Team
Tools
Window
Help
adf-config.xml
CustomizationLayerValues.xml
Find
cust-layers
cust-layer
Source
History
3:39
cust-layer - Properties
Live Issues: CustomizationLayerValues.xml - Issues
Messages - Log
1:50 PM
8/13/2017

```
<!--This file defines all valid customization layer values for use in Customization Role for this application. This file completely overrides layer values configured at global l
<cust-layers xmlns="http://xmlns.oracle.com/mds/dt">
 <cust-layer name="cz" id-prefix="czwf">
    <!-- Generated id-prefix would be "s1" and "s2" for values
        "site1" and "site2".-->
    <cust-layer-value value="wf" display-name="wf" id-prefix="cz1"/>
    <cust-layer-value value="all" display-name="all" id-prefix="cz2"/>
  </cust-layer>
  <cust-layer name="region" id-prefix="r">
    <!-- Generated id-prefix would be "s1" and "s2" for values
        "site1" and "site2".-->
    <cust-layer-value value="north" display-name="North Region" id-prefix="r1"/>
    <cust-layer-value value="south" display-name="South Region" id-prefix="r2"/>
    <!-- Generated id-prefix would be "s" for value "site"
           since no prefix was specified on the value -->
    <!-- ADF SiteCC always returns the value as "site" -->
    <cust-layer-value value="region" display-name="Region"/>
  </cust-layer>
  <cust-layer name="industry" id-prefix="i">
    <!-- Generated id-prefix would be "s1" and "s2" for values
        "site1" and "site2".-->
    <cust-layer-value value="financial" display-name="Financial Industry" id-prefix="i1"/>
    <cust-layer-value value="healthcare" display-name="Healthcare Industry" id-prefix="i2"/>
    <!-- Generated id-prefix would be "s" for value "site"
           since no prefix was specified on the value -->
    <!-- ADF SiteCC always returns the value as "site" -->
    <cust-layer-value value="industry" display-name="Industry"/>
  </cust-layer>
  <cust-layer name="site" id-prefix="s">
    <!-- Generated id-prefix would be "s1" and "s2" for values
        "site1" and "site2".-->
```

4. To verify the configuration for customization,Restart JDeveloper in Customization Developer Mode.
5. Verify the pre-defined customization layers in Customization Context tab.



```
<?xml version = '1.0' encoding = 'UTF-8'?>
<ui:composition xmlns:ui="http://java.sun.com/jsf/facelets" xmlns:af="http://xm
  <c:set var="com_ofss_glm_ui_taskflows_setup_branchBundle" value="#{adfBundl
  <af:panelStretchLayout id="psl1" dimensionsFrom="parent" topHeight="45px">
    <f:facet name="center">
      <af:panelGroupLayout id="pgl2" layout="scroll" halign="start">
        <af:panelGridLayout id="pgl3" inlineStyle="margin-left:15px" style
          <af:gridRow marginTop="5px" height="auto" id="gr2">
            <af:gridCell marginStart="5px" width="25%" id="gc2" valign="
              <af:outputText value="Branch Code*" id="ot2" styleClass="
              <af:outputLabel value="Branch Code*" id="ol1" for="it10" 
            </af:gridCell>
            <af:gridCell marginStart="5px" width="25%" id="gc3">
              <af:inputListOfValues id="branchCodeId" simple="true" popu
                <f:validator binding="#{bindings.BranchCode.validator}
              </af:inputListOfValues>
              <af:inputText value="#{bindings.BranchCode1.inputValue}" 
                <f:validator binding="#{bindings.BranchCode1.validator
              </af:inputText>
            </af:gridCell>
```

ShellNew - Customization Context

○ View without Customizations

● Edit with following Customization Context

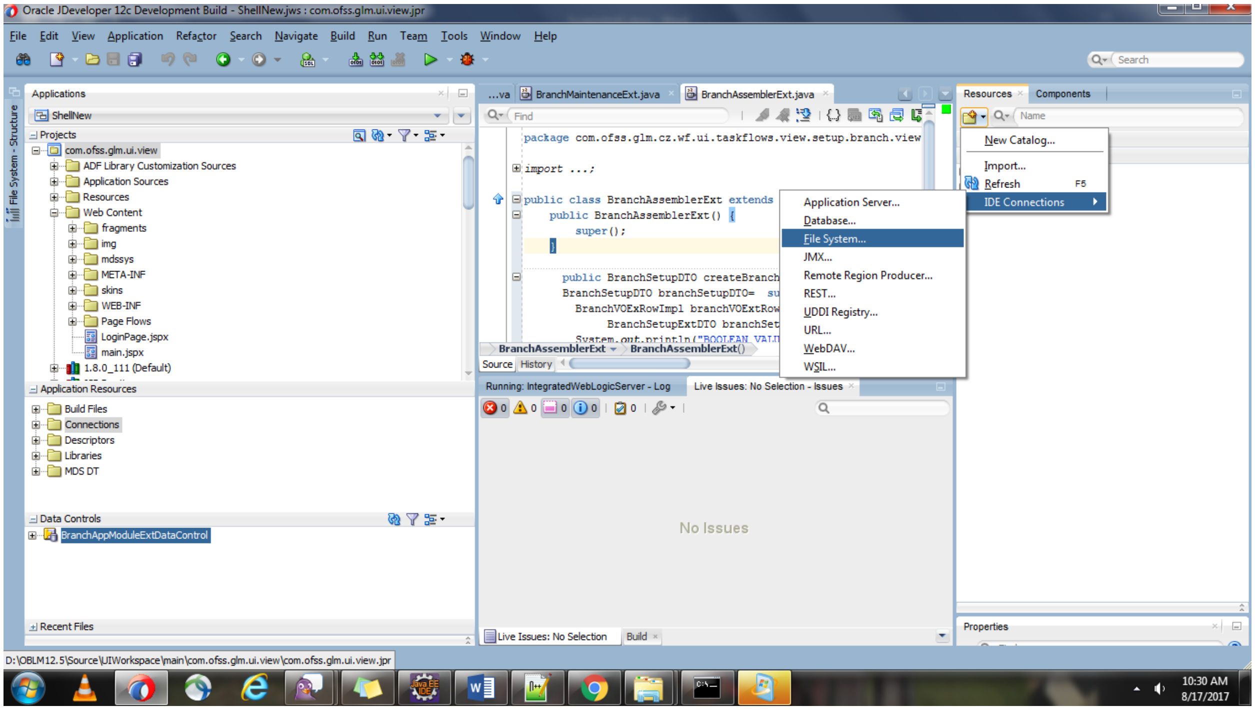
Tip layer	Name	Value
●	cz	wf (wf).

Customization Context : **cz/wf**

Configure application layer values

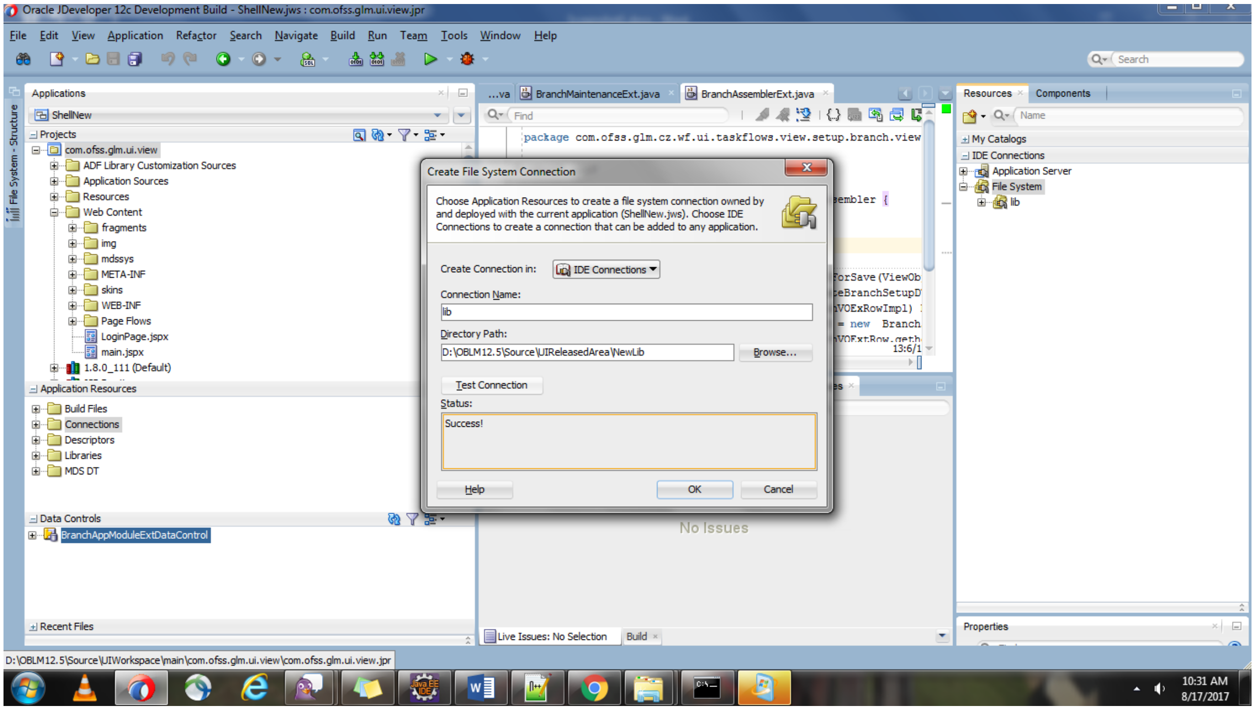
D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflowsSetupBranch.jar!\com\ofss\glm\ui\taskflows\view\setup\branch\form\BranchMaintenance.jsff

4. Switch back to developer mode by restarting JDeveloper and try to add the libraries to do customization.
5. Extract the libraries from ear and store in a folder.
6. Add these libraries to the file system as referred below:



```
package com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view

import ...;

public class BranchAssemblerExt extends
    public BranchAssemblerExt() {
        super();
    }

      public BranchSetupDTO createBranch
      BranchSetupDTO branchSetupDTO=  su
        BranchVOExRowImpl branchVOExtRow
             BranchSetupExtDTO branchSet
        System.out.println("BOOLEAN VALU
```

D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\com.ofss.glm.ui.view.jpr


Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
ShellNew
Projects
com.ofss.glm.ui.view
Application Resources
Data Controls
BranchAppModuleExtDataControl
Recent Files
Resources
Components
My Catalogs
IDE Connections
Application Server
File System
lib
Properties
No Issues
Live Issues: No Selection
Build
D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\com.ofss.glm.ui.view.jpr
10:31 AM
8/17/2017

Create File System Connection

Choose Application Resources to create a file system connection owned by and deployed with the current application (ShellNew.jws). Choose IDE Connections to create a connection that can be added to any application.

Create Connection in: IDE Connections

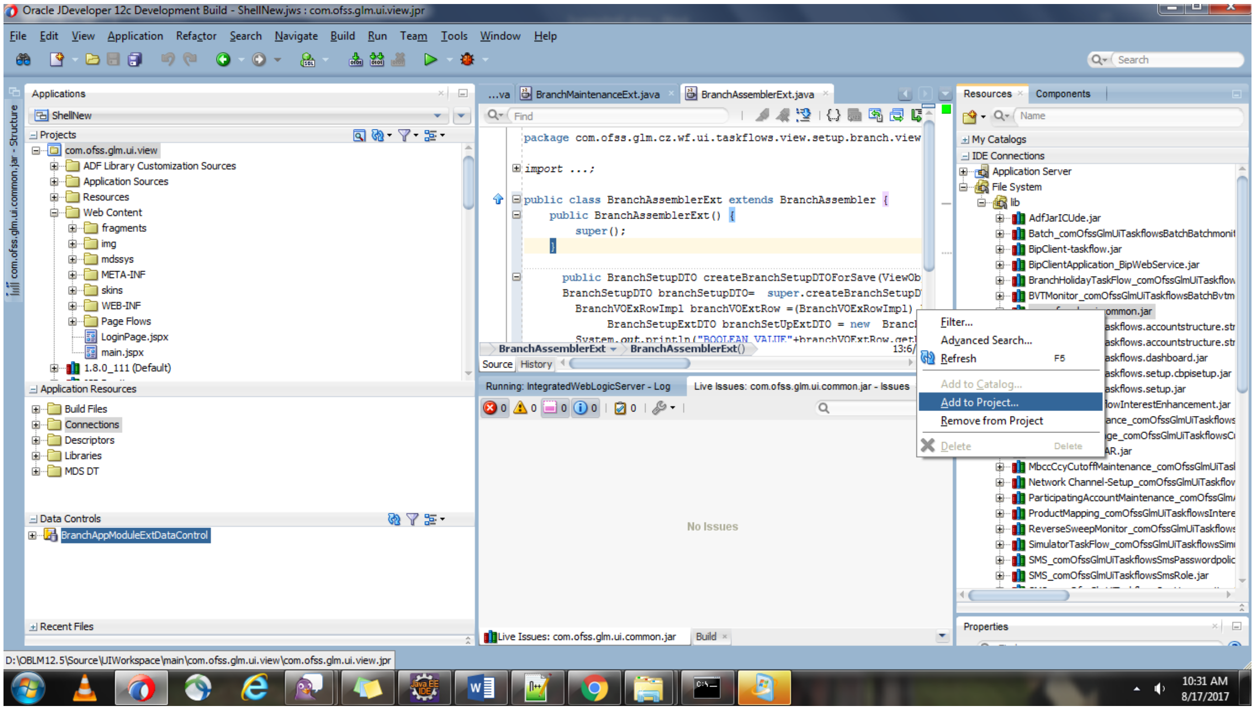
Connection Name: lib

Directory Path: D:\OBLM12.5\Source\UIReleasedArea\NewLib

Status:

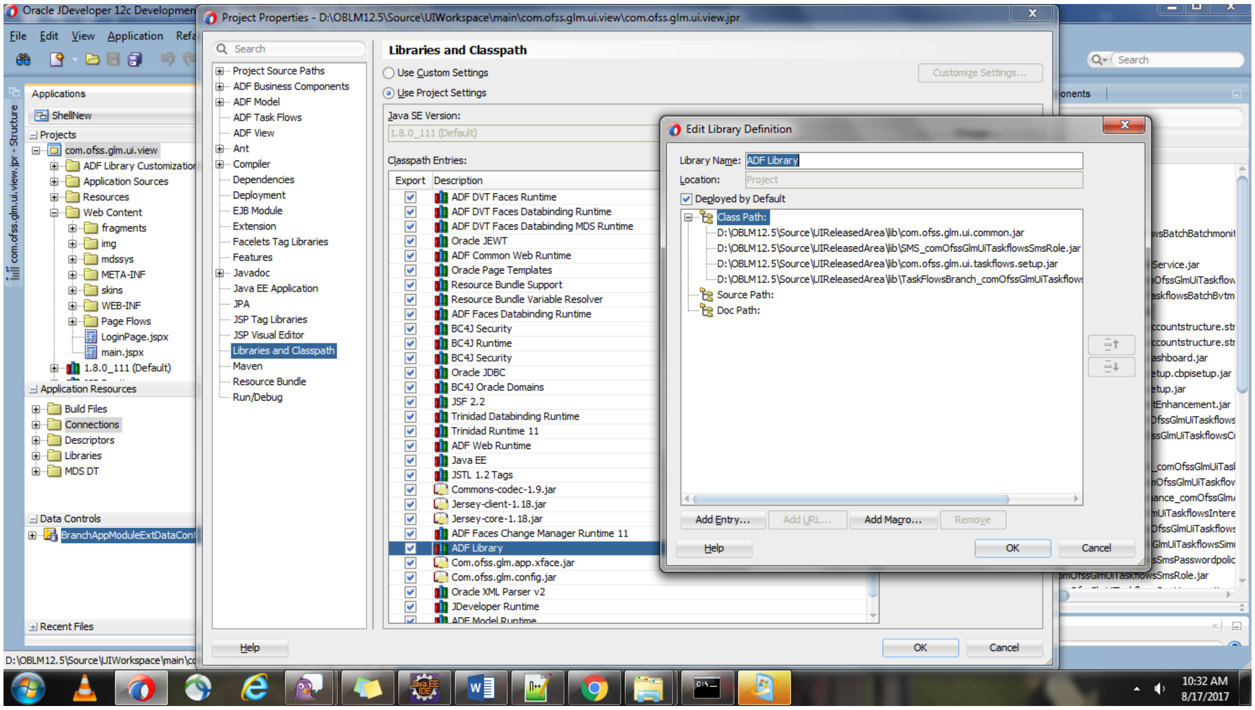
Success!

Browse...
Test Connection
Help
OK
Cancel


Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
ShellNew
Projects
com.ofss.glm.ui.view
Resources
Components
My Catalogs
IDE Connections
Application Server
File System
lib
AdfJarICUde.jar
Filter...
Advanced Search...
Refresh F5
Add to Catalog...
Add to Project...
Remove from Project
Delete
Running: IntegratedWebLogicServer - Log
Live Issues: com.ofss.glm.ui.common.jar - Issues
No Issues
D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\com.ofss.glm.ui.view.jpr
10:31 AM
8/17/2017

```
package com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view

import ...;

public class BranchAssemblerExt extends BranchAssembler {
    public BranchAssemblerExt() {
        super();
    }

        public BranchSetupDTO createBranchSetupDTOForSave(ViewOb
        BranchSetupDTO branchSetupDTO=  super.createBranchSetupD
          BranchVOExRowImpl branchVOExtRow =(BranchVOExRowImpl)
                BranchSetupExtDTO branchSetUpExtDTO = new Branc
```

7. Once the required libraries are added to project, the same can be verified through Project Properties.



Project Properties - D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\com.ofss.glm.ui.view.jpr

Libraries and Classpath

○ Use Custom Settings
● Use Project Settings

Java SE Version: 1.8.0_111 (Default)

Classpath Entries:

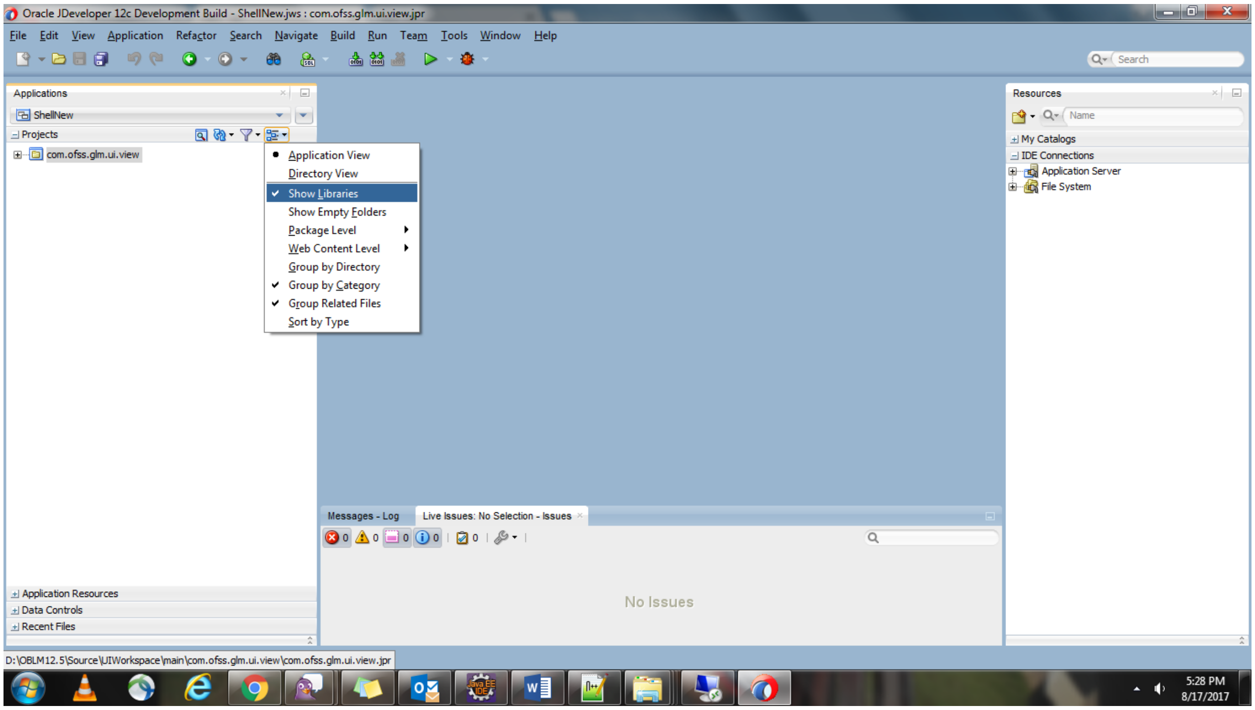
Export	Description
☑	ADF DVT Faces Runtime
☑	ADF DVT Faces Databinding Runtime
☑	ADF DVT Faces Databinding MDS Runtime
☑	Oracle JEWT
☑	ADF Common Web Runtime
☑	Oracle Page Templates
☑	Resource Bundle Support
☑	Resource Bundle Variable Resolver
☑	ADF Faces Databinding Runtime
☑	BC4J Security
☑	BC4J Runtime
☑	BC4J Security
☑	Oracle JDBC
☑	BC4J Oracle Domains
☑	JSF 2.2
☑	Trinidad Databinding Runtime
☑	Trinidad Runtime 11
☑	ADF Web Runtime
☑	Java EE
☑	JSTL 1.2 Tags
☑	Commons-codec-1.9.jar
☑	Jersey-client-1.18.jar
☑	Jersey-core-1.18.jar
☑	ADF Faces Change Manager Runtime 11
☑	ADF Library
☑	Com.ofss.glm.app.xface.jar
☑	Com.ofss.glm.config.jar
☑	Oracle XML Parser v2
☑	JDeveloper Runtime
☑	ADF Model Runtime

Edit Library Definition

Library Name: ADF Library
Location: Project
☑ Deployed by Default

Class Path:
D:\OBLM12.5\Source\UIReleasedArea\lib\com.ofss.glm.ui.common.jar
D:\OBLM12.5\Source\UIReleasedArea\lib\SMS_comOfssGlmUiTaskflowsSmsRole.jar
D:\OBLM12.5\Source\UIReleasedArea\lib\com.ofss.glm.ui.taskflows.setup.jar
D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflow
Source Path:
Doc Path:

1 Switch back to Customization mode to modify the page(jsff).



1.6 Customizing View Object

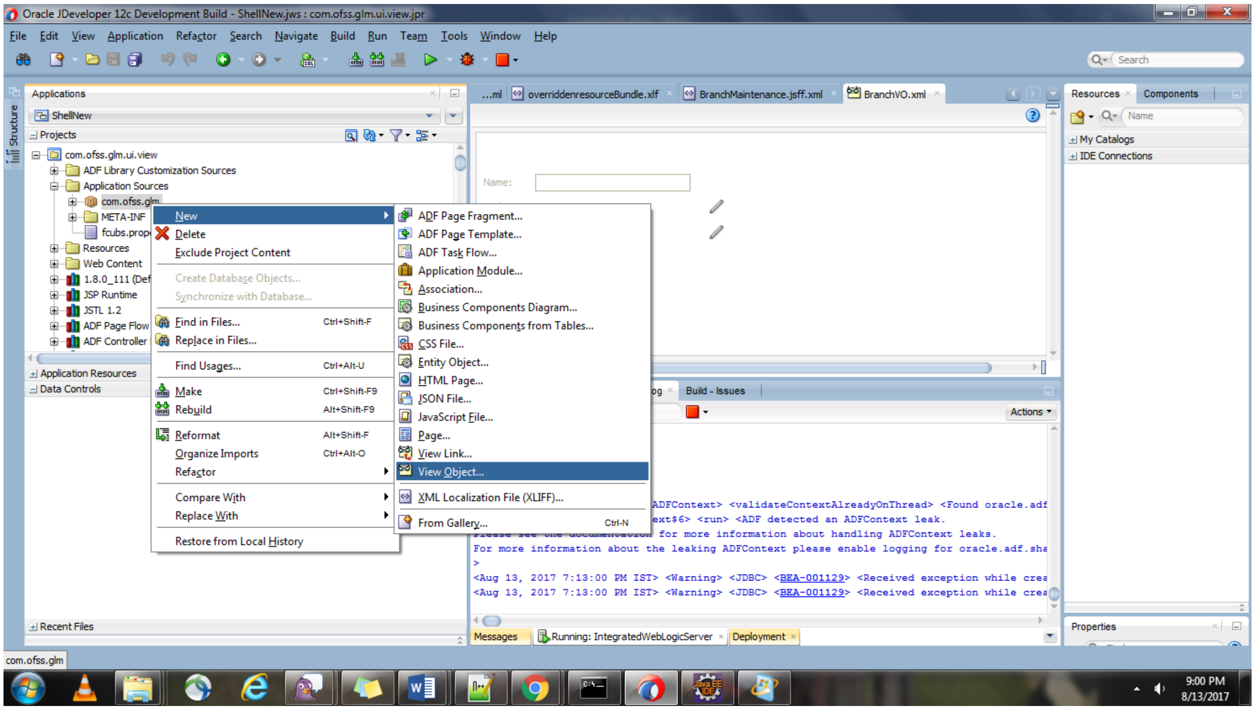
Create the same package structure as the existing view object was in with the layer values you need to customization with.

Existing package structure:

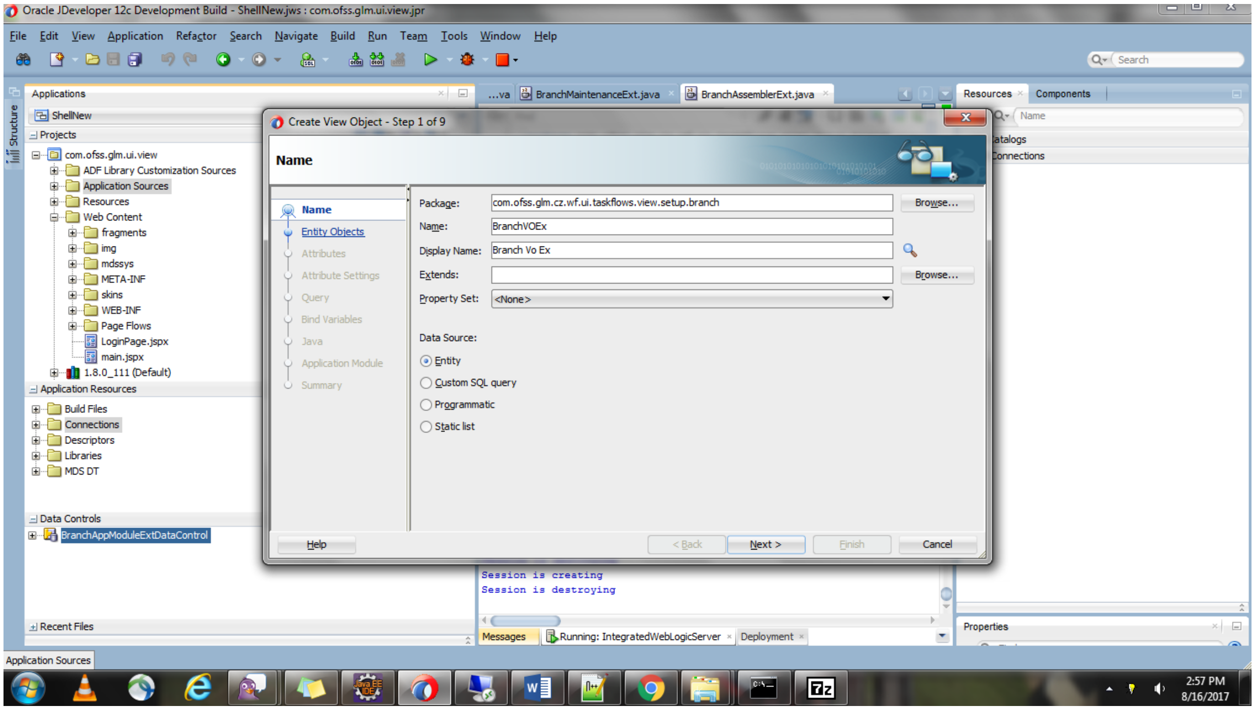
```
com.ofss.glm.ui.taskflows.view.setup.branch.model.BranchVO
```

New Package Structure with tip layer Name (cz) and value (wf): com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.model.BranchVOEx.

Note: While creating AppModule, maintain the same package structure.



```
ADFContext> <validateContextAlreadyOnThread> <Found oracle.adf
ext$6> <run> <ADF detected an ADFContext leak.
 for more information about handling ADFContext leaks.
For more information about the leaking ADFContext please enable logging for oracle.adf.sha
>
<Aug 13, 2017 7:13:00 PM IST> <Warning> <JDBC> <BEA-001129> <Received exception while crea
<Aug 13, 2017 7:13:00 PM IST> <Warning> <JDBC> <BEA-001129> <Received exception while crea
```



Package: com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch

Name: BranchVOEx

Display Name: Branch Vo Ex

Extends:

Property Set: <None>

Data Source:

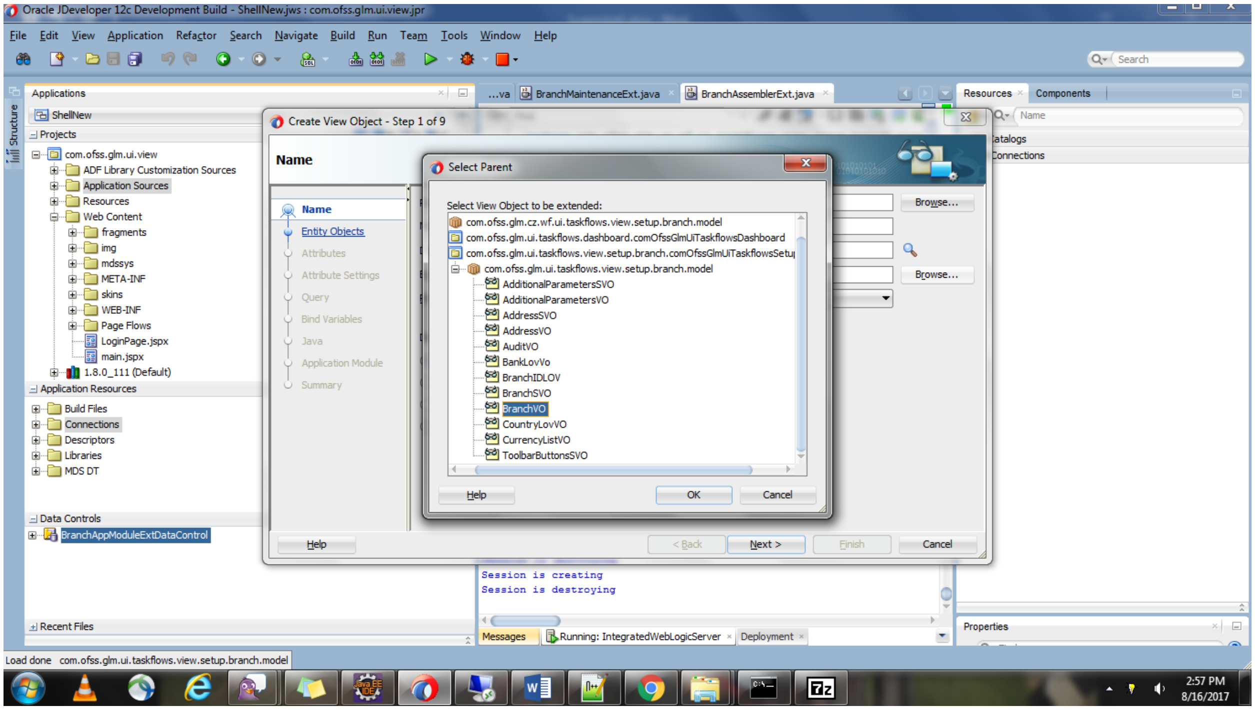
● Entity

○ Custom SQL query

○ Programmatic

○ Static list

```
Session is creating
Session is destroying
```



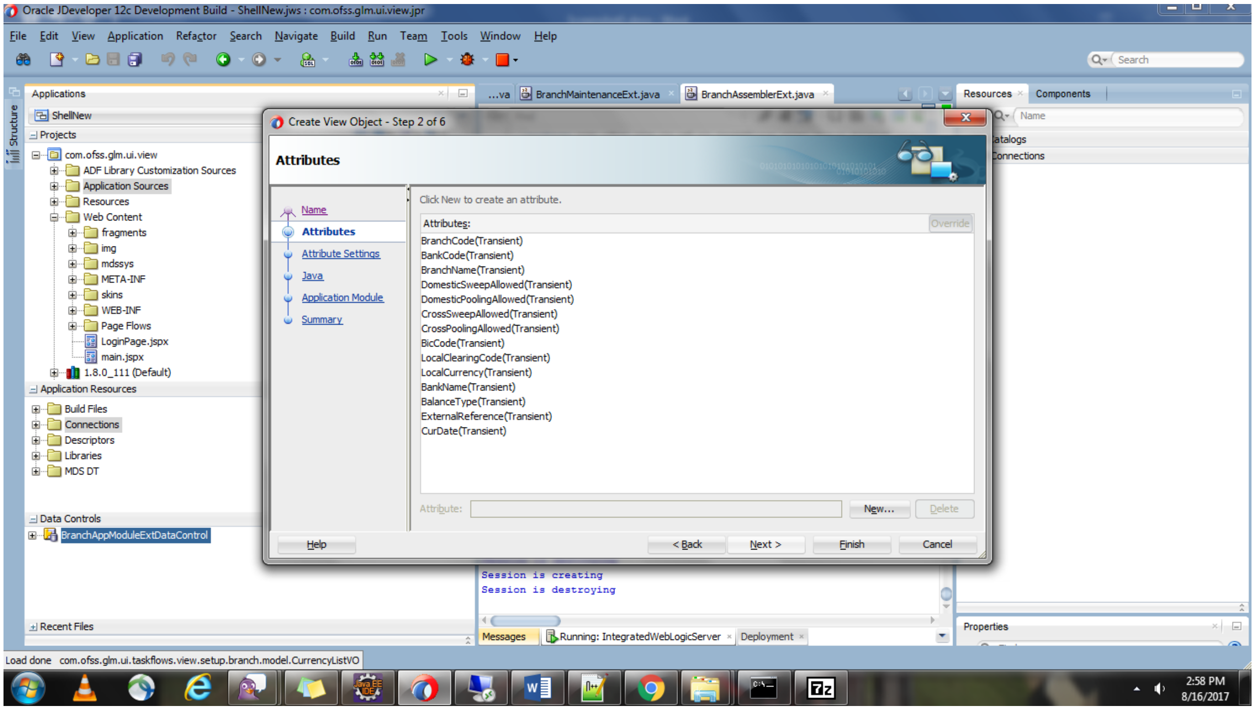
Select Parent

Select View Object to be extended:

- com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.model
- com.ofss.glm.ui.taskflows.dashboard.comOfssGlmUiTaskflowsDashboard
- com.ofss.glm.ui.taskflows.view.setup.branch.comOfssGlmUiTaskflowsSetu
- com.ofss.glm.ui.taskflows.view.setup.branch.model
  - AdditionalParametersSVO
  - AdditionalParametersVO
  - AddressSVO
  - AddressVO
  - AuditVO
  - BankLovVo
  - BranchIDLOV
  - BranchSVO
  - BranchVO
  - CountryLovVO
  - CurrencyListVO
  - ToolbarButtonsSVO

```
Session is creating
Session is destroying
```

Load done com.ofss.glm.ui.taskflows.view.setup.branch.model


Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
ShellNew
Projects
com.ofss.glm.ui.view
Data Controls
BranchAppModuleExtDataControl
Create View Object - Step 2 of 6
Attributes
Name
Attributes
Attribute Settings
Java
Application Module
Summary

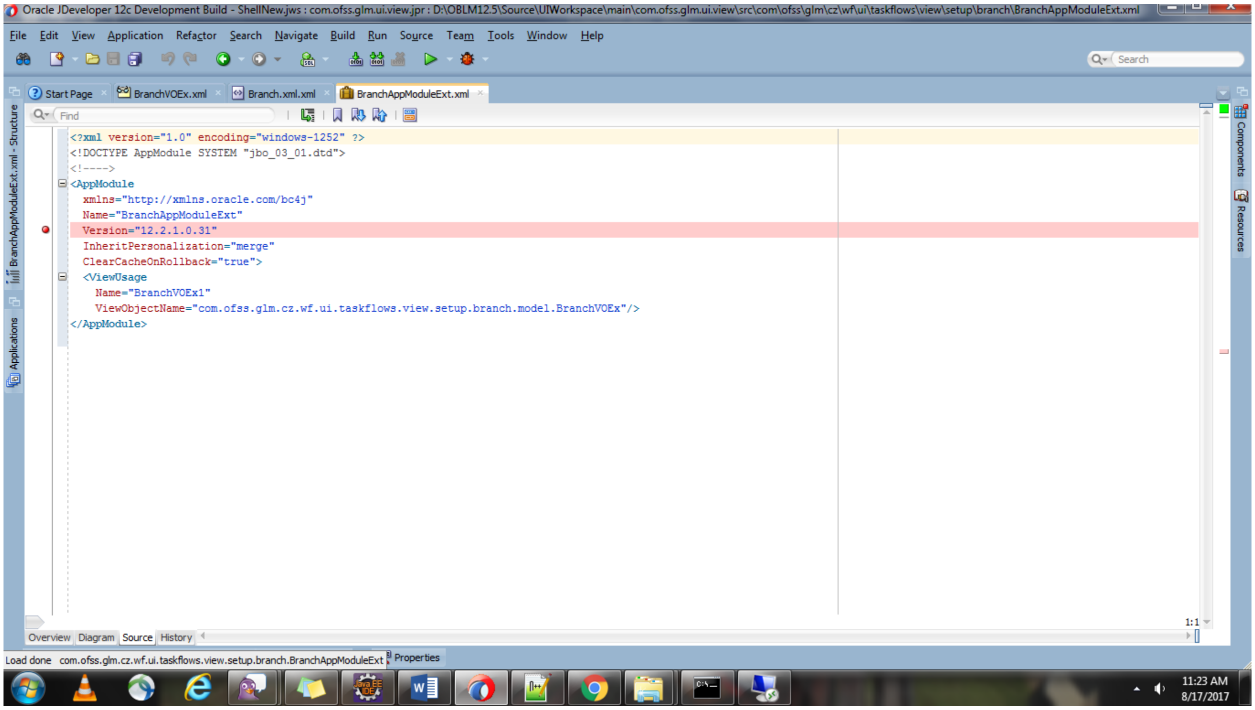
Click New to create an attribute.

Attributes:

- BranchCode(Transient)
- BankCode(Transient)
- BranchName(Transient)
- DomesticSweepAllowed(Transient)
- DomesticPoolingAllowed(Transient)
- CrossSweepAllowed(Transient)
- CrossPoolingAllowed(Transient)
- BicCode(Transient)
- LocalClearingCode(Transient)
- LocalCurrency(Transient)
- BankName(Transient)
- BalanceType(Transient)
- ExternalReference(Transient)
- CurDate(Transient)

```
Session is creating
Session is destroying
```

Load done com.ofss.glm.ui.taskflows.view.setup.branch.model.CurrencyListVO



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\src\com\ofss\glm\cz\wf\ui\taskflows\view\setup\branch\BranchAppModuleExt.xml

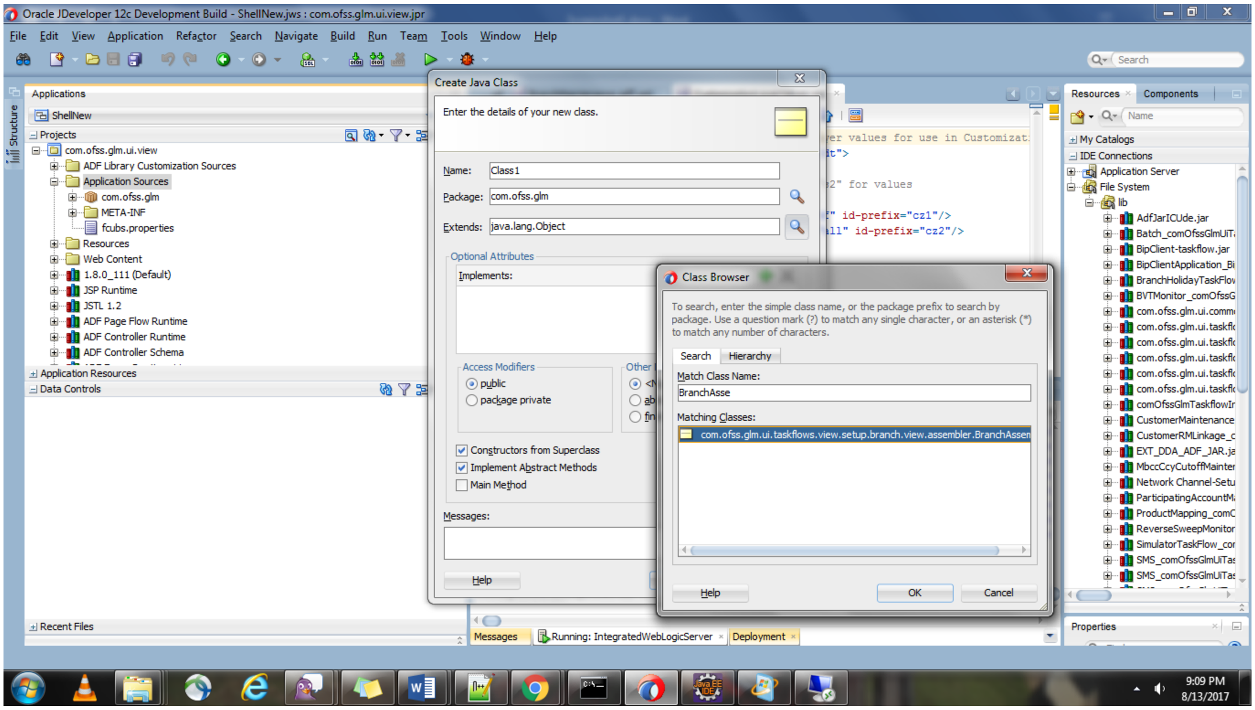
```
<?xml version="1.0" encoding="windows-1252" ?>
<!DOCTYPE AppModule SYSTEM "jbo_03_01.dtd">
<!---->
<AppModule
  xmlns="http://xmlns.oracle.com/bc4j"
  Name="BranchAppModuleExt"
  Version="12.2.1.0.31"
  InheritPersonalization="merge"
  ClearCacheOnRollback="true">
  <ViewUsage
    Name="BranchVOEx1"
    ViewObjectName="com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.model.BranchVOEx"/>
</AppModule>
```

Load done com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.BranchAppModuleExt

File Edit View Application Refactor Search Navigate Build Run Source Team Tools Window Help
Start Page
BranchVOEx.xml
Branch.xml.xml
BranchAppModuleExt.xml
Overview Diagram Source History
Properties
11:23 AM
8/17/2017

1.7 Customizing Java Classes

Similarly Extend Assembler, Handler, Bean and Util Classes to implement the new logic.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr

Create Java Class

Enter the details of your new class.

Name: Class1

Package: com.ofss.glm

Extends: java.lang.Object

Access Modifiers: ● public ○ package private

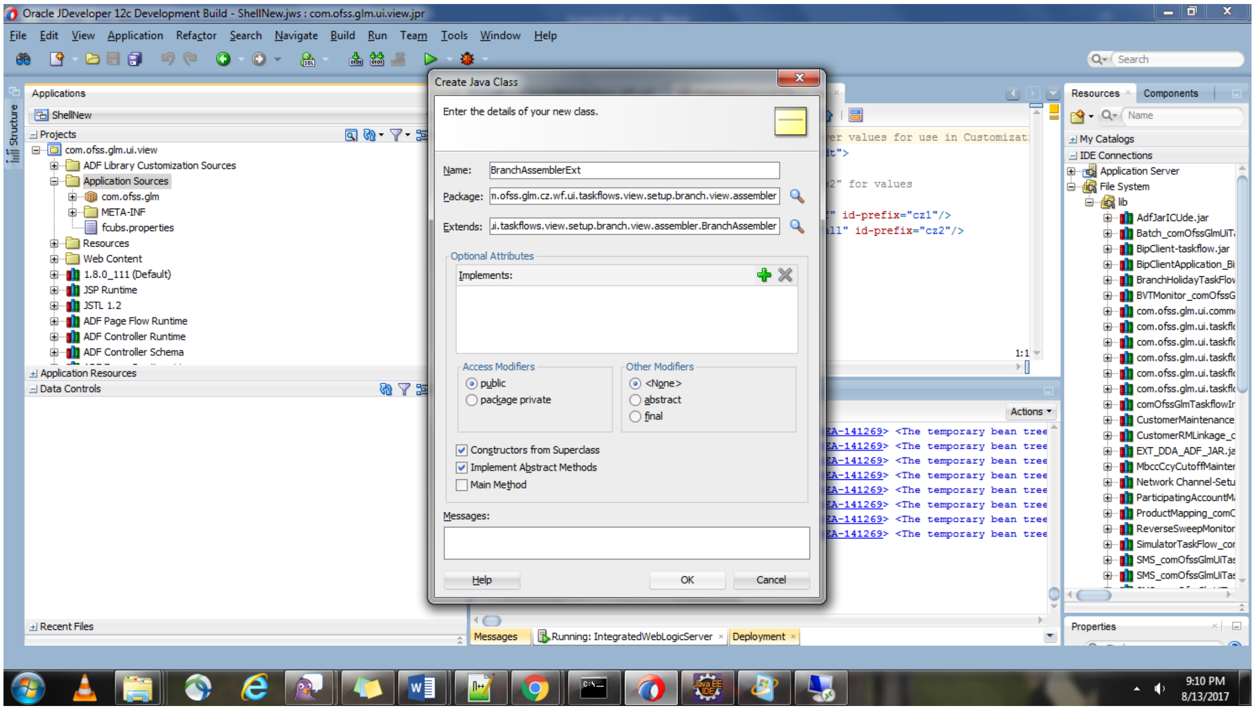
☑ Constructors from Superclass
☑ Implement Abstract Methods
☐ Main Method

Class Browser

To search, enter the simple class name, or the package prefix to search by package. Use a question mark (?) to match any single character, or an asterisk (*) to match any number of characters.

Match Class Name: BranchAsse

Matching Classes:
com.ofss.glm.ui.taskflows.view.setup.branch.view.assembler.BranchAssen



Create Java Class

Enter the details of your new class.

Name: BranchAssemblerExt

Package: n.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.assembler

Extends: ui.taskflows.view.setup.branch.view.assembler.BranchAssembler

Optional Attributes

Implements:

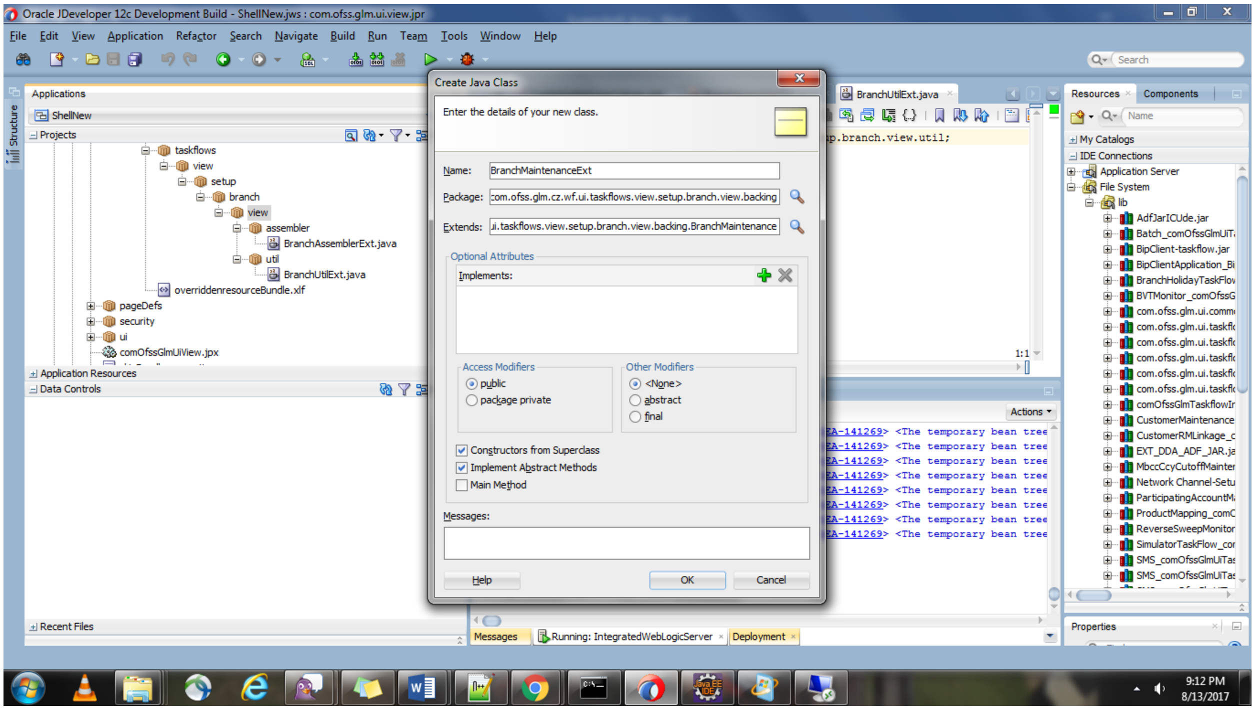
Access Modifiers
- ● public
- ○ package private

Other Modifiers
- ● <None>
- ○ abstract
- ○ final

☑ Constructors from Superclass
☑ Implement Abstract Methods
☐ Main Method

Messages:

Help OK Cancel



Create Java Class

Enter the details of your new class.

Name: BranchMaintenanceExt

Package: com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.backing

Extends: ui.taskflows.view.setup.branch.view.backing.BranchMaintenance

Optional Attributes

Implements:

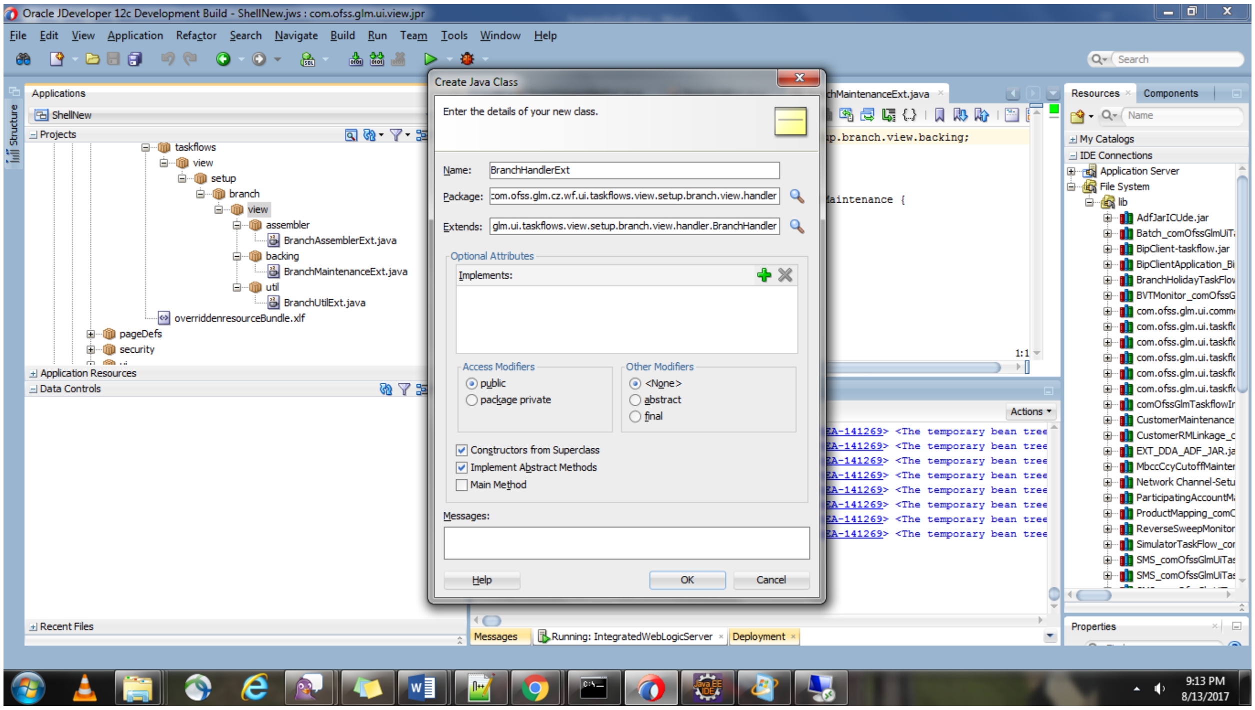
Access Modifiers
- ● public
- ○ package private

Other Modifiers
- ● <None>
- ○ abstract
- ○ final

☑ Constructors from Superclass
☑ Implement Abstract Methods
☐ Main Method

Messages:

Help OK Cancel



Create Java Class

Enter the details of your new class.

Name: BranchHandlerExt

Package: com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.handler

Extends: glm.ui.taskflows.view.setup.branch.view.handler.BranchHandler

Optional Attributes

Implements:

Access Modifiers: ● public ○ package private

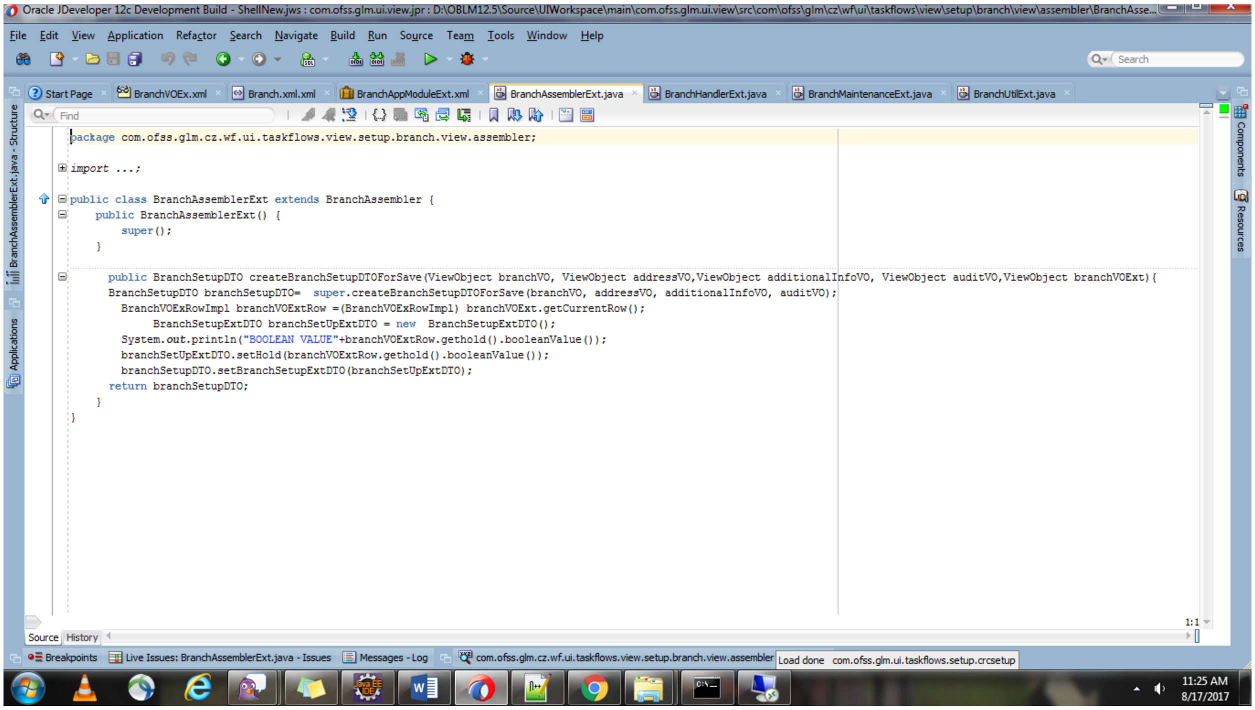
Other Modifiers: ● <None> ○ abstract ○ final

☑ Constructors from Superclass

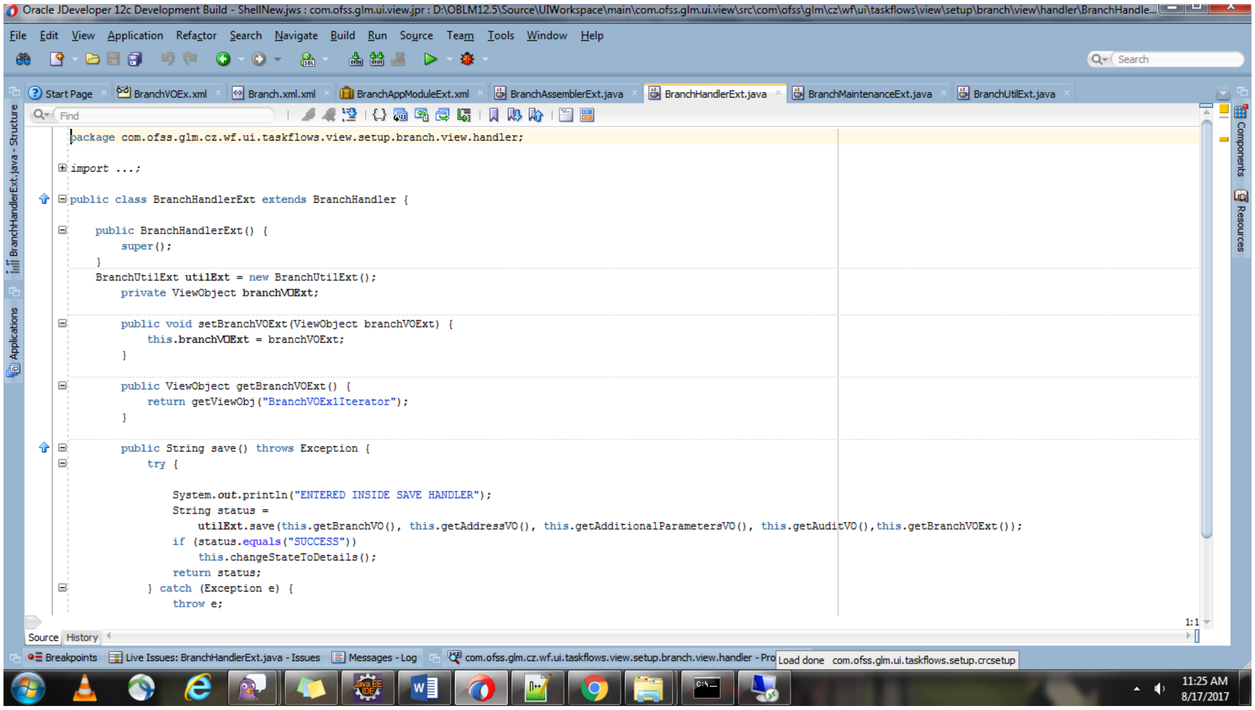
☑ Implement Abstract Methods

☐ Main Method

Messages:

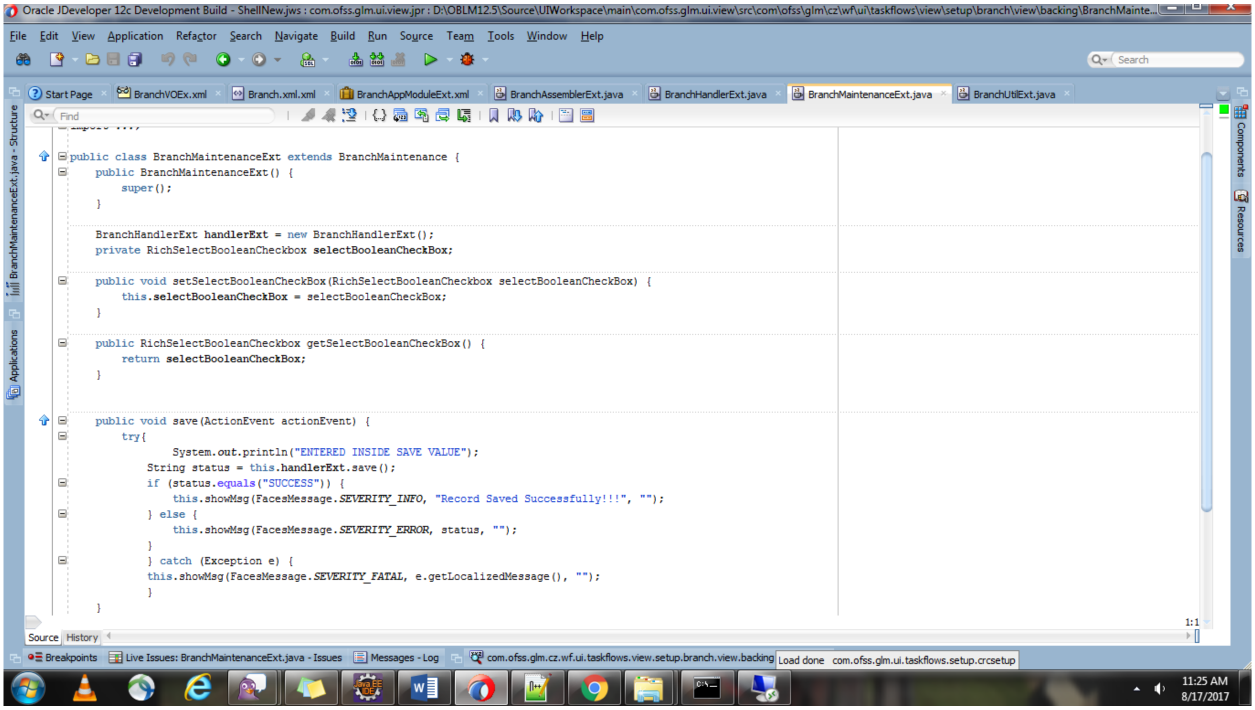


```
package com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.assembler;

import ...;

public class BranchAssemblerExt extends BranchAssembler {
    public BranchAssemblerExt() {
        super();
    }

      public BranchSetupDTO createBranchSetupDTOForSave(ViewObject branchVO, ViewObject addressVO,ViewObject additionalInfoVO, ViewObject auditVO,ViewObject branchVOExt){
      BranchSetupDTO branchSetupDTO=  super.createBranchSetupDTOForSave(branchVO, addressVO, additionalInfoVO, auditVO);
        BranchVOExRowImpl branchVOExtRow =(BranchVOExRowImpl) branchVOExt.getCurrentRow();
             BranchSetupExtDTO branchSetUpExtDTO = new  BranchSetupExtDTO();
        System.out.println("BOOLEAN VALUE"+branchVOExtRow.gethold().booleanValue());
        branchSetUpExtDTO.setHold(branchVOExtRow.gethold().booleanValue());
        branchSetupDTO.setBranchSetupExtDTO(branchSetUpExtDTO);
      return branchSetupDTO;
    }
}
```



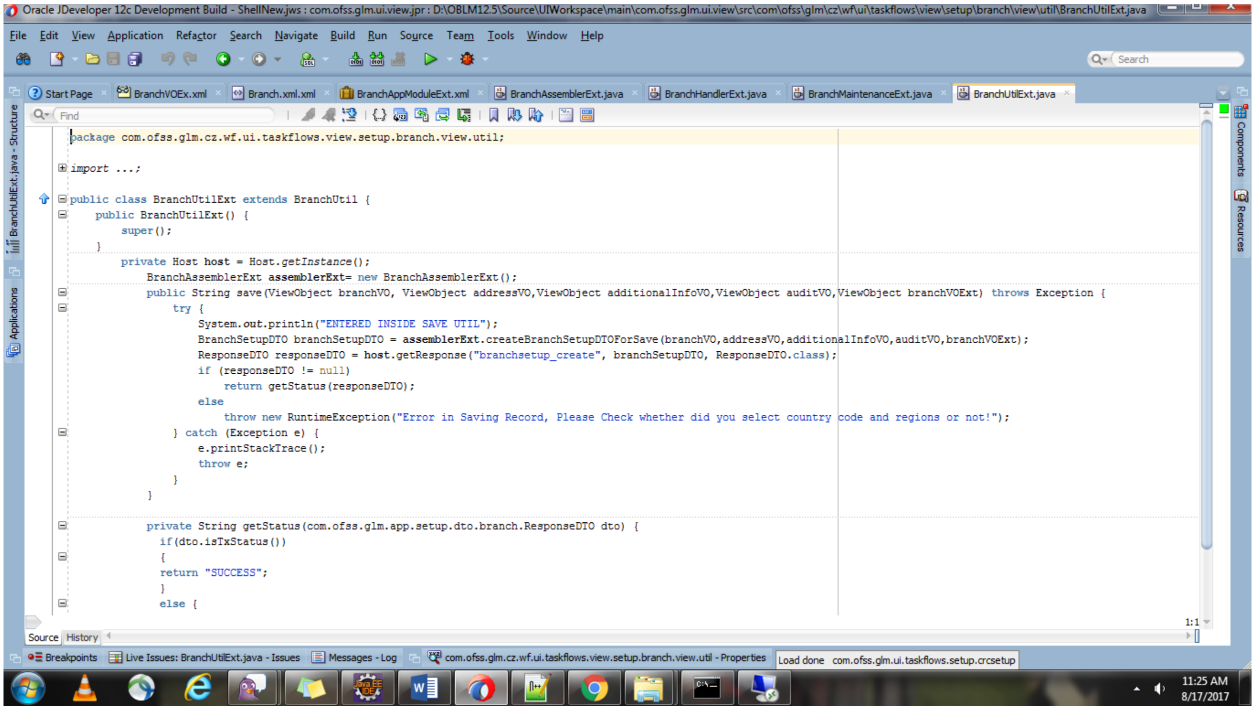
Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\src\com\ofss\glm\cz\wf\ui\taskflows\view\setup\branch\view\handler\BranchHandle...

```java
package com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.handler;

import ...;

public class BranchHandlerExt extends BranchHandler {

    public BranchHandlerExt() {
        super();
    }
    BranchUtilExt utilExt = new BranchUtilExt();
        private ViewObject branchVOExt;

        public void setBranchVOExt(ViewObject branchVOExt) {
            this.branchVOExt = branchVOExt;
        }

        public ViewObject getBranchVOExt() {
            return getViewObj("BranchVOEx1Iterator");
        }

        public String save() throws Exception {
            try {

                System.out.println("ENTERED INSIDE SAVE HANDLER");
                String status =
                    utilExt.save(this.getBranchVO(), this.getAddressVO(), this.getAdditionalParametersVO(), this.getAuditVO(),this.getBranchVOExt());
                if (status.equals("SUCCESS"))
                    this.changeStateToDetails();
                return status;
            } catch (Exception e) {
                throw e;
```



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\src\com\ofss\glm\cz\wf\ui\taskflows\view\setup\branch\view\backing\BranchMainte...

```java
public class BranchMaintenanceExt extends BranchMaintenance {
    public BranchMaintenanceExt() {
        super();
    }

    BranchHandlerExt handlerExt = new BranchHandlerExt();
    private RichSelectBooleanCheckbox selectBooleanCheckBox;

    public void setSelectBooleanCheckBox(RichSelectBooleanCheckbox selectBooleanCheckBox) {
        this.selectBooleanCheckBox = selectBooleanCheckBox;
    }

    public RichSelectBooleanCheckbox getSelectBooleanCheckBox() {
        return selectBooleanCheckBox;
    }


    public void save(ActionEvent actionEvent) {
        try{
                System.out.println("ENTERED INSIDE SAVE VALUE");
            String status = this.handlerExt.save();
            if (status.equals("SUCCESS")) {
                this.showMsg(FacesMessage.SEVERITY_INFO, "Record Saved Successfully!!!", "");
            } else {
                this.showMsg(FacesMessage.SEVERITY_ERROR, status, "");
            }
            } catch (Exception e) {
            this.showMsg(FacesMessage.SEVERITY_FATAL, e.getLocalizedMessage(), "");
            }
    }
```

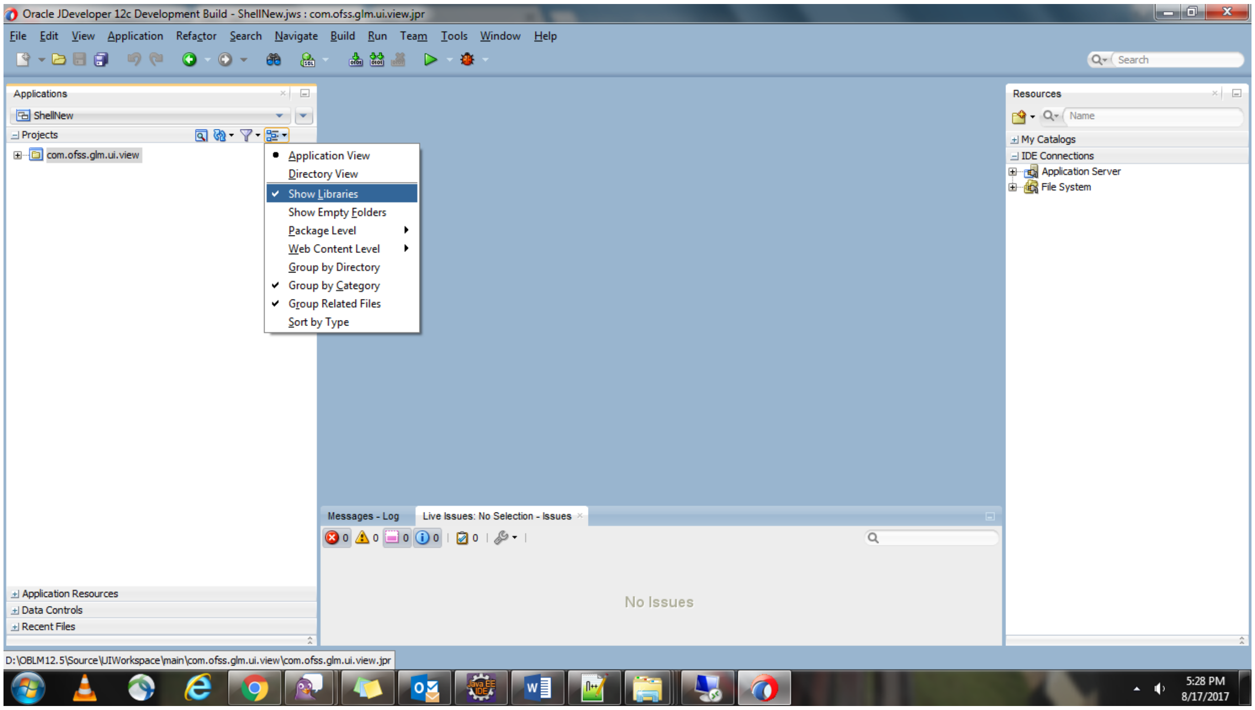


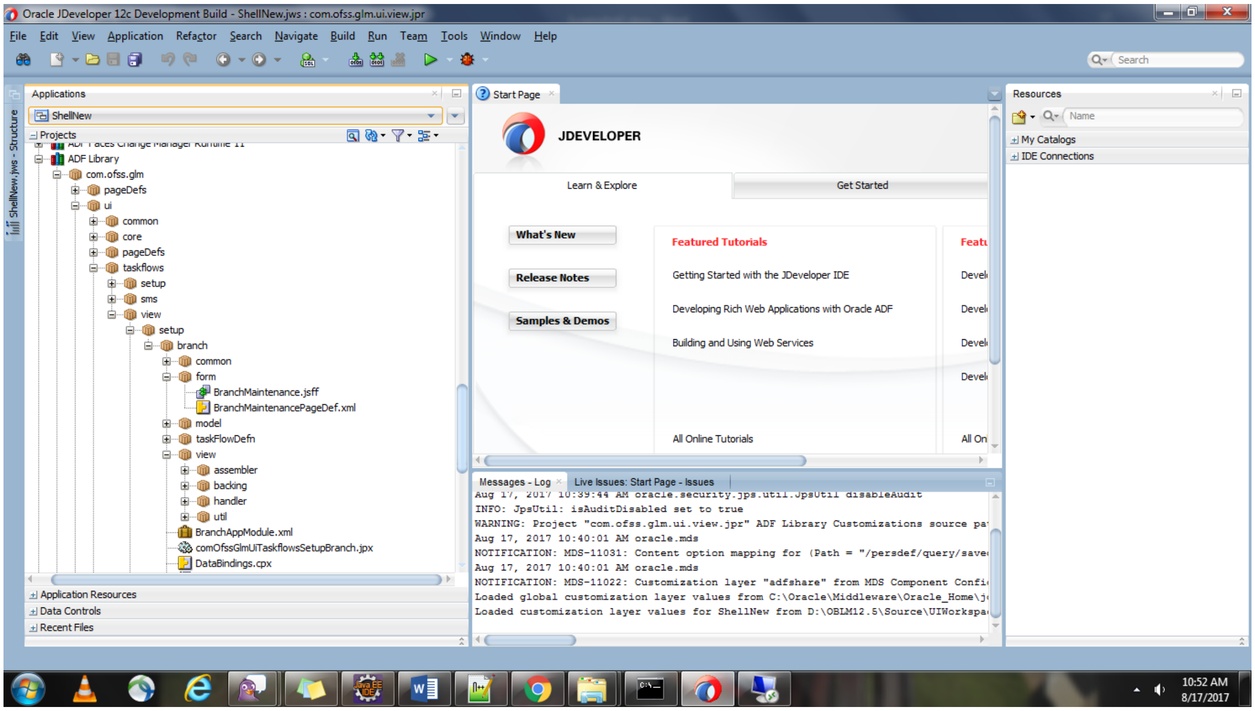
Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\src\com\ofss\glm\cz\wf\ui\taskflows\view\setup\branch\view\util\BranchUtilExt.java
File Edit View Application Refactor Search Navigate Build Run Source Team Tools Window Help
Start Page
BranchVOEx.xml
Branch.xml.xml
BranchAppModuleExt.xml
BranchAssemblerExt.java
BranchHandlerExt.java
BranchMaintenanceExt.java
BranchUtilExt.java
Source
History
Breakpoints
Live Issues: BranchUtilExt.java - Issues
Messages - Log
com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.util - Properties
Load done com.ofss.glm.ui.taskflows.setup.crcsetup
11:25 AM
8/17/2017

```
package com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.util;

import ...;

public class BranchUtilExt extends BranchUtil {
    public BranchUtilExt() {
        super();
    }
        private Host host = Host.getInstance();
            BranchAssemblerExt assemblerExt= new BranchAssemblerExt();
            public String save(ViewObject branchVO, ViewObject addressVO,ViewObject additionalInfoVO,ViewObject auditVO,ViewObject branchVOExt) throws Exception {
                try {
                    System.out.println("ENTERED INSIDE SAVE UTIL");
                    BranchSetupDTO branchSetupDTO = assemblerExt.createBranchSetupDTOForSave(branchVO,addressVO,additionalInfoVO,auditVO,branchVOExt);
                    ResponseDTO responseDTO = host.getResponse("branchsetup_create", branchSetupDTO, ResponseDTO.class);
                    if (responseDTO != null)
                        return getStatus(responseDTO);
                    else
                        throw new RuntimeException("Error in Saving Record, Please Check whether did you select country code and regions or not!");
                } catch (Exception e) {
                    e.printStackTrace();
                    throw e;
                }
            }

            private String getStatus(com.ofss.glm.app.setup.dto.branch.ResponseDTO dto) {
              if(dto.isTxStatus())
              {
              return "SUCCESS";
              }
              else {
```

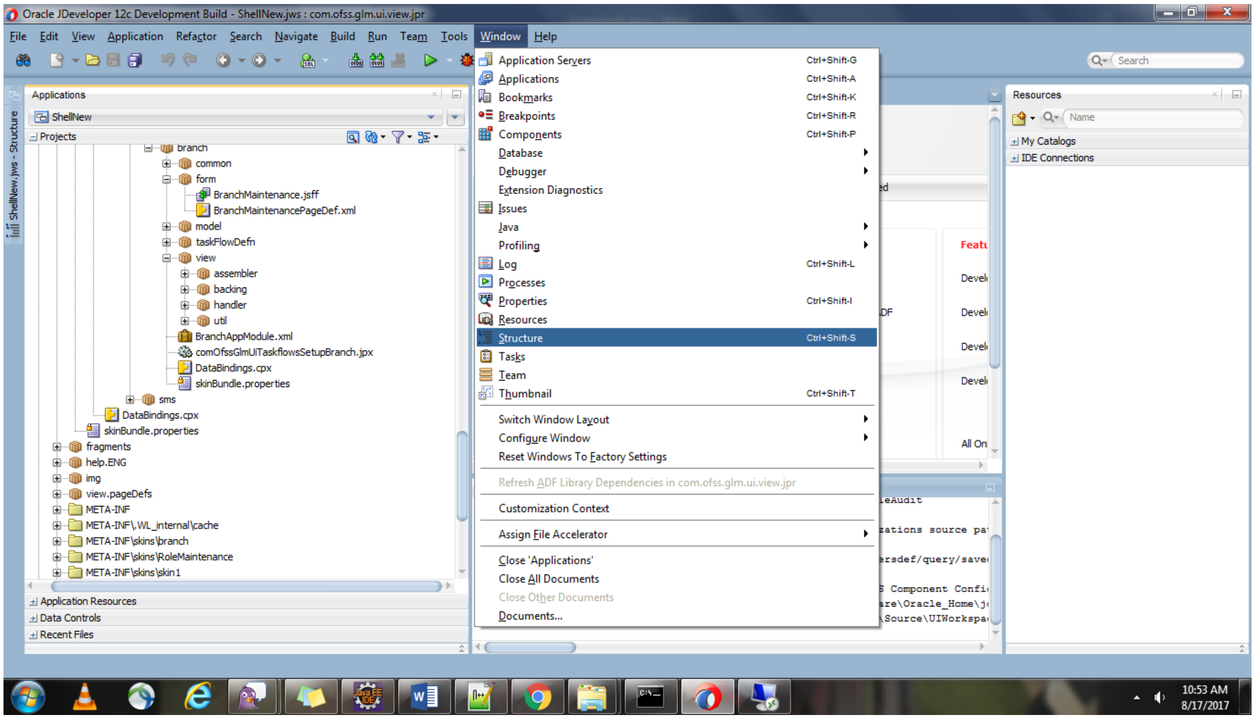
1.8 Customizing the pages

1. Once done with writing the logic switch to Customization Developer mode.
2. Enable *Show Libraries* to see all the libs added.
3. Select jsff file from lib and then select structure from windows menu.

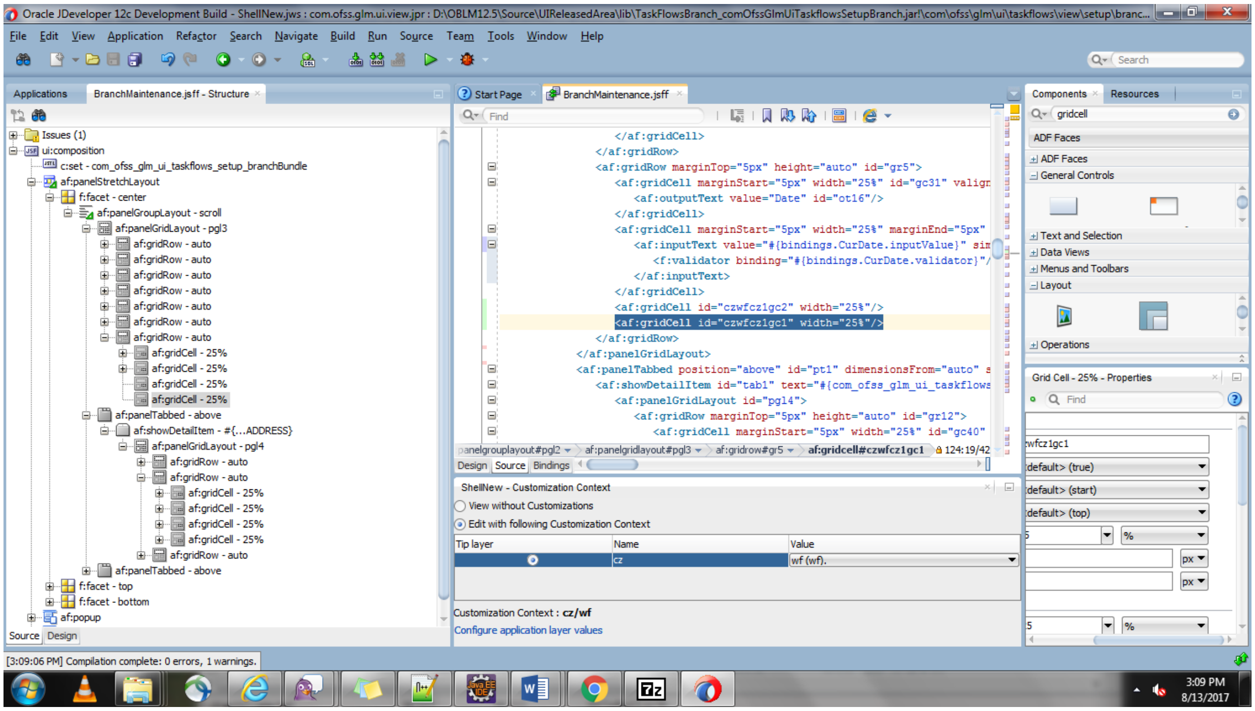




```
Aug 17, 2017 10:39:44 AM oracle.security.jps.util.JpsUtil disableAudit
INFO: JpsUtil: isAuditDisabled set to true
WARNING: Project "com.ofss.glm.ui.view.jpr" ADF Library Customizations source pa
Aug 17, 2017 10:40:01 AM oracle.mds
NOTIFICATION: MDS-11031: Content option mapping for (Path = "/persdef/query/save
Aug 17, 2017 10:40:01 AM oracle.mds
NOTIFICATION: MDS-11022: Customization layer "adfshare" from MDS Component Confi
Loaded global customization layer values from C:\Oracle\Middleware\Oracle_Home\j
Loaded customization layer values for ShellNew from D:\OBLM12.5\Source\UIWorkspa
```



4. Drag and drop the required UI components in the structure which creates a *.jsff.xml (with the same name as the one you selected) file in Library Customizations and with the same package structure by adding the layer which was selected in Customizations Context tab.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflowsSetupBranch.jar!\com\ofss\glm\ui\taskflows\view\setup\branc...

BranchMaintenance.jsff - Structure

```
Issues (1)
ui:composition
  c:set - com_ofss_glm_ui_taskflows_setup_branchBundle
  af:panelStretchLayout
    f:facet - center
      af:panelGroupLayout - scroll
        af:panelGridLayout - pgl3
          af:gridRow - auto
          af:gridRow - auto
          af:gridRow - auto
          af:gridRow - auto
          af:gridRow - auto
          af:gridRow - auto
          af:gridRow - auto
            af:gridCell - 25%
            af:gridCell - 25%
            af:gridCell - 25%
            af:gridCell - 25%
        af:panelTabbed - above
          af:showDetailItem - #{...ADDRESS}
            af:panelGridLayout - pgl4
              af:gridRow - auto
              af:gridRow - auto
                af:gridCell - 25%
                af:gridCell - 25%
                af:gridCell - 25%
                af:gridCell - 25%
              af:gridRow - auto
        af:panelTabbed - above
    f:facet - top
    f:facet - bottom
  af:popup
```

BranchMaintenance.jsff

```
            </af:gridCell>
        </af:gridRow>
        <af:gridRow marginTop="5px" height="auto" id="gr5">
            <af:gridCell marginStart="5px" width="25%" id="gc31" valign
                <af:outputText value="Date" id="ot16"/>
            </af:gridCell>
            <af:gridCell marginStart="5px" width="25%" marginEnd="5px"
                <af:inputText value="#{bindings.CurDate.inputValue}" sim
                    <f:validator binding="#{bindings.CurDate.validator}"/
                </af:inputText>
            </af:gridCell>
            <af:gridCell id="czwfcz1gc2" width="25%"/>
            <af:gridCell id="czwfcz1gc1" width="25%"/>
        </af:gridRow>
    </af:panelGridLayout>
    <af:panelTabbed position="above" id="pt1" dimensionsFrom="auto" s
        <af:showDetailItem id="tab1" text="#{com_ofss_glm_ui_taskflows
            <af:panelGridLayout id="pgl4">
                <af:gridRow marginTop="5px" height="auto" id="gr12">
                    <af:gridCell marginStart="5px" width="25%" id="gc40"
```

anelgrouplayout#pgl2 > af:panelgridlayout#pgl3 > af:gridrow#gr5 > af:gridcell#czwfcz1gc1 124:19/42

ShellNew - Customization Context

○ View without Customizations
● Edit with following Customization Context

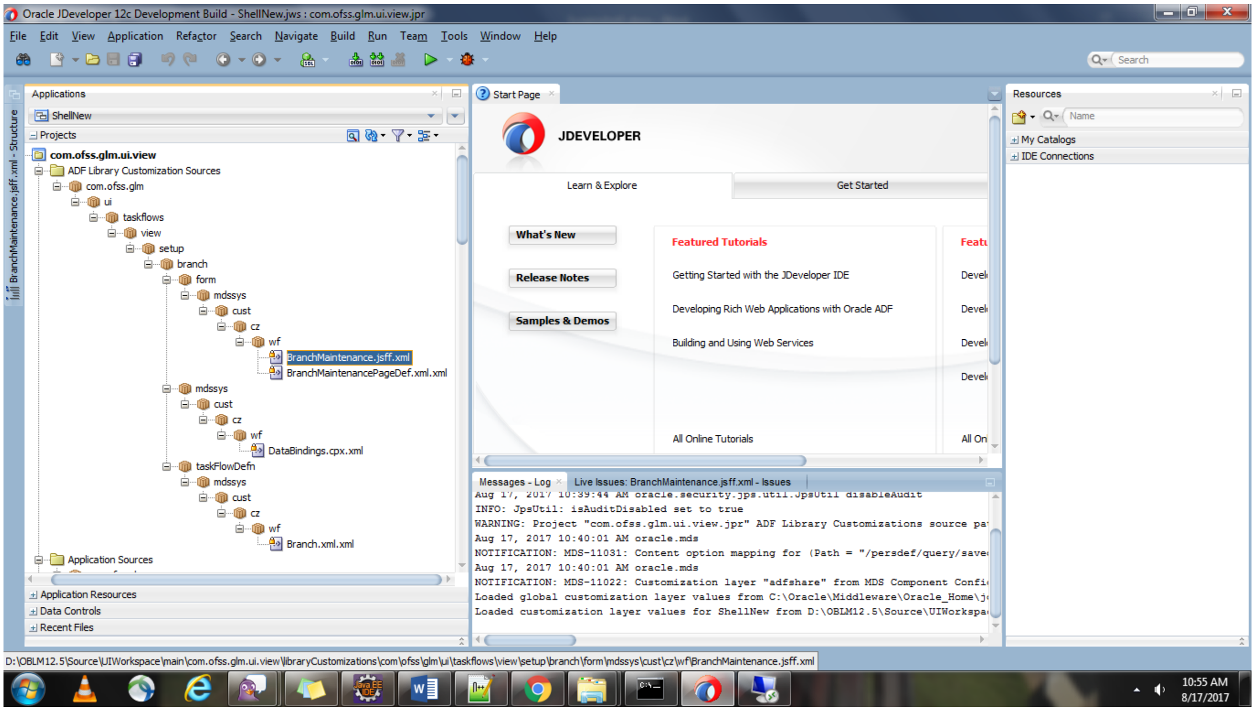
Tip layer	Name	Value
●	cz	wf (wf).

Customization Context : cz/wf

Configure application layer values

Grid Cell - 25% - Properties

[3:09:06 PM] Compilation complete: 0 errors, 1 warnings.



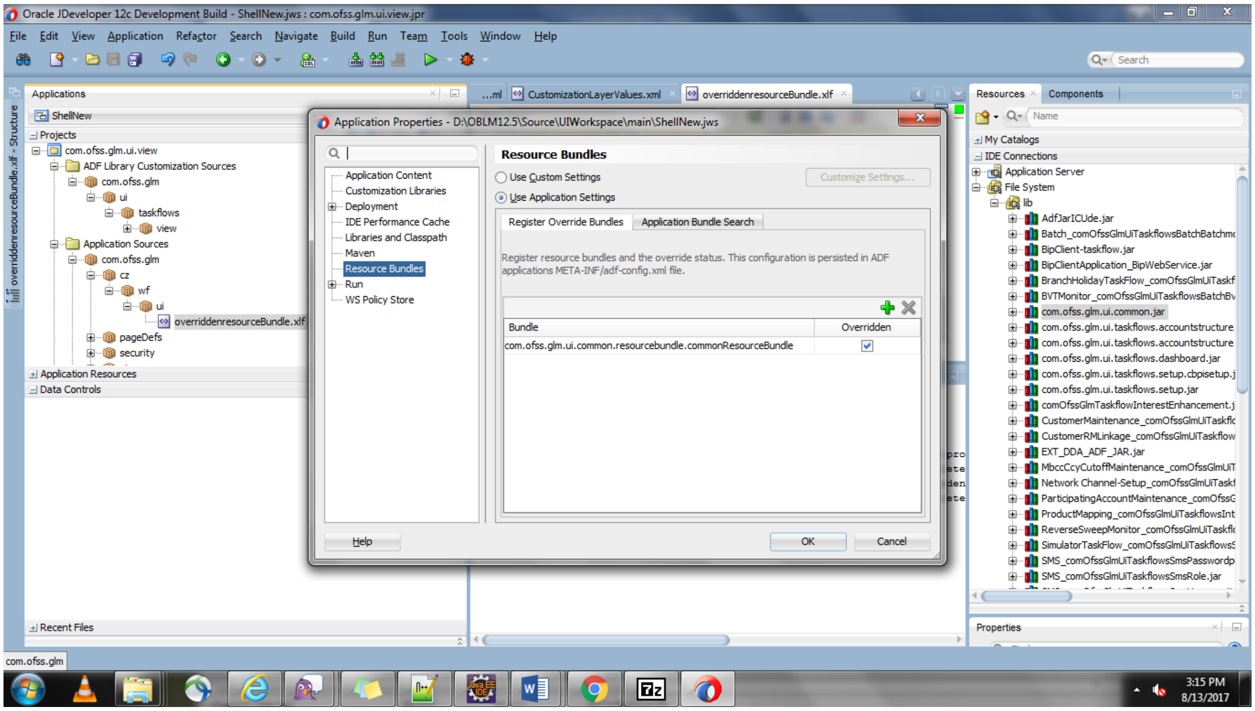
Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr

```
ShellNew
Projects
com.ofss.glm.ui.view
  ADF Library Customization Sources
    com.ofss.glm
      ui
        taskflows
          view
            setup
              branch
                form
                  mdssys
                    cust
                      cz
                        wf
                          BranchMaintenance.jsff.xml
                          BranchMaintenancePageDef.xml.xml
                mdssys
                  cust
                    cz
                      wf
                        DataBindings.cpx.xml
                taskFlowDefn
                  mdssys
                    cust
                      cz
                        wf
                          Branch.xml.xml
  Application Sources
```

```
Aug 17, 2017 10:39:44 AM oracle.security.jps.util.JpsUtil disableAudit
INFO: JpsUtil: isAuditDisabled set to true
WARNING: Project "com.ofss.glm.ui.view.jpr" ADF Library Customizations source pa
Aug 17, 2017 10:40:01 AM oracle.mds
NOTIFICATION: MDS-11031: Content option mapping for (Path = "/persdef/query/save
Aug 17, 2017 10:40:01 AM oracle.mds
NOTIFICATION: MDS-11022: Customization layer "adfshare" from MDS Component Confi
Loaded global customization layer values from C:\Oracle\Middleware\Oracle_Home\j
Loaded customization layer values for ShellNew from D:\OBLM12.5\Source\UIWorkspa
```

D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\libraryCustomizations\com\ofss\glm\ui\taskflows\view\setup\branch\form\mdssys\cust\cz\wf\BranchMaintenance.jsff.xml

5. **Overriding Resource bundle**: (switch to Studio Developer mode)
6. Turn on Application Properties register the existing bundle of the application.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr

Application Properties - D:\OBLM12.5\Source\UIWorkspace\main\ShellNew.jws

Resource Bundles

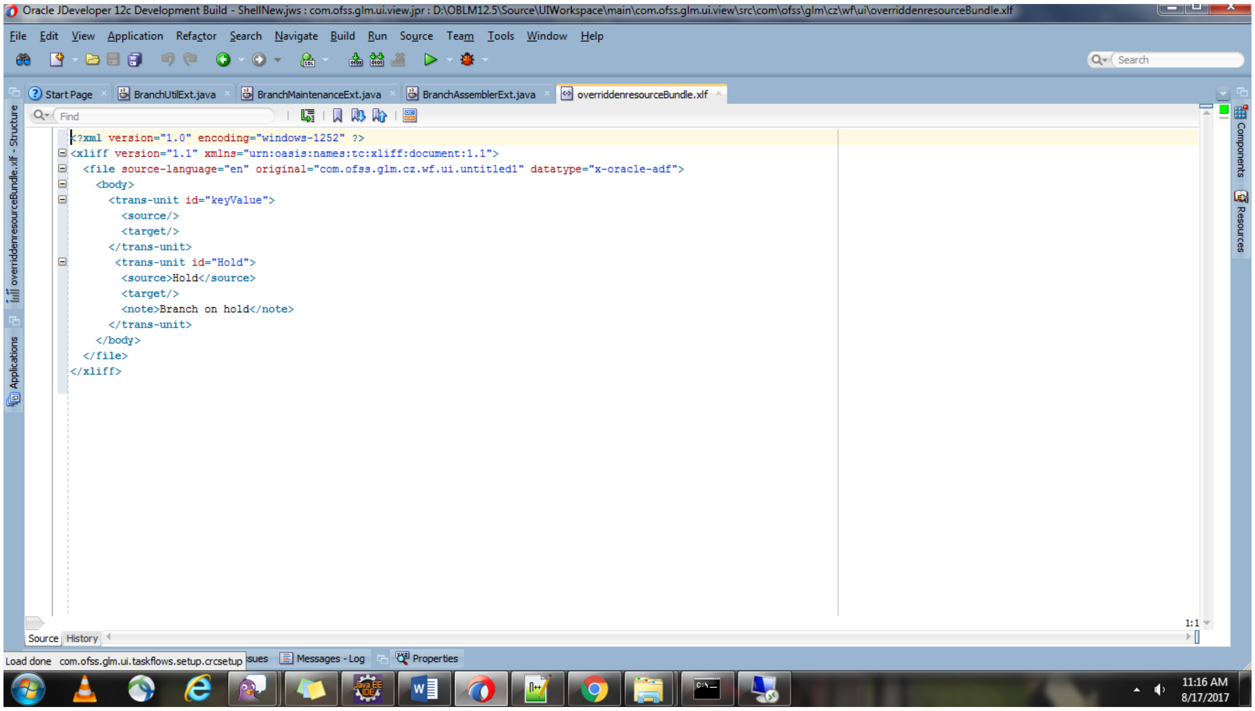
○ Use Custom Settings

● Use Application Settings

Register Override Bundles | Application Bundle Search

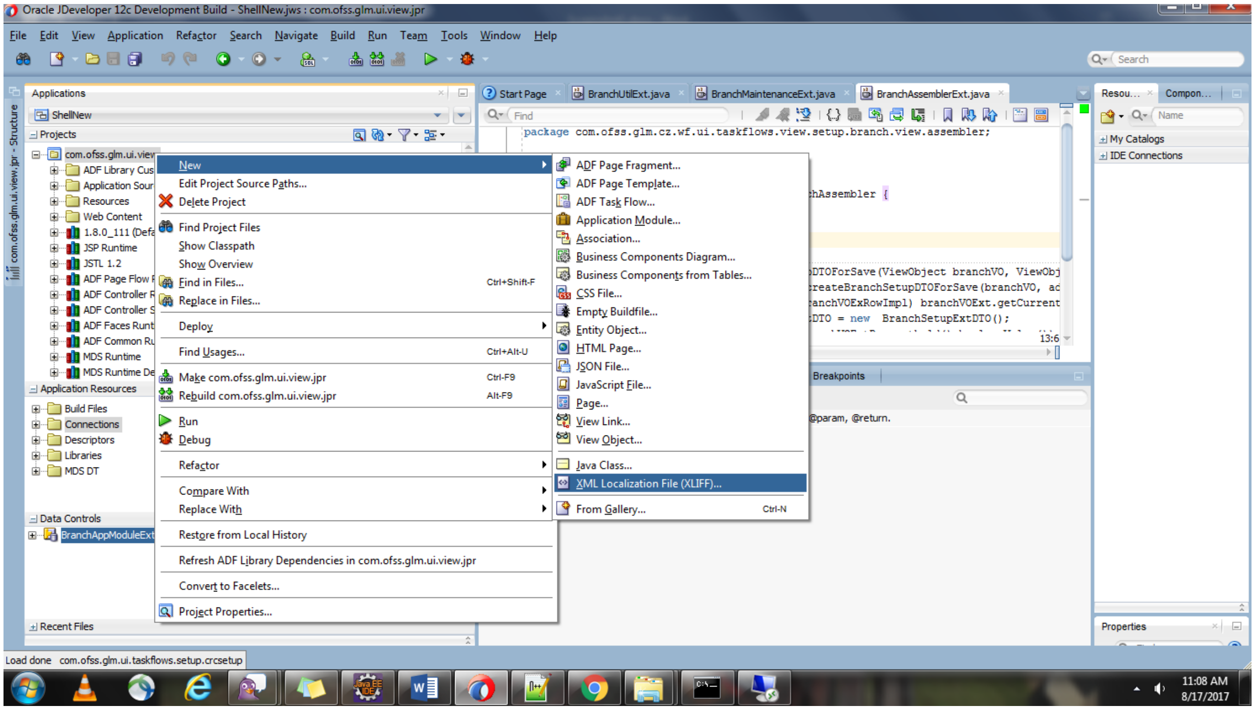
Register resource bundles and the override status. This configuration is persisted in ADF applications META-INF/adf-config.xml file.

Bundle	Overridden
com.ofss.glm.ui.common.resourcebundle.commonResourceBundle	☑

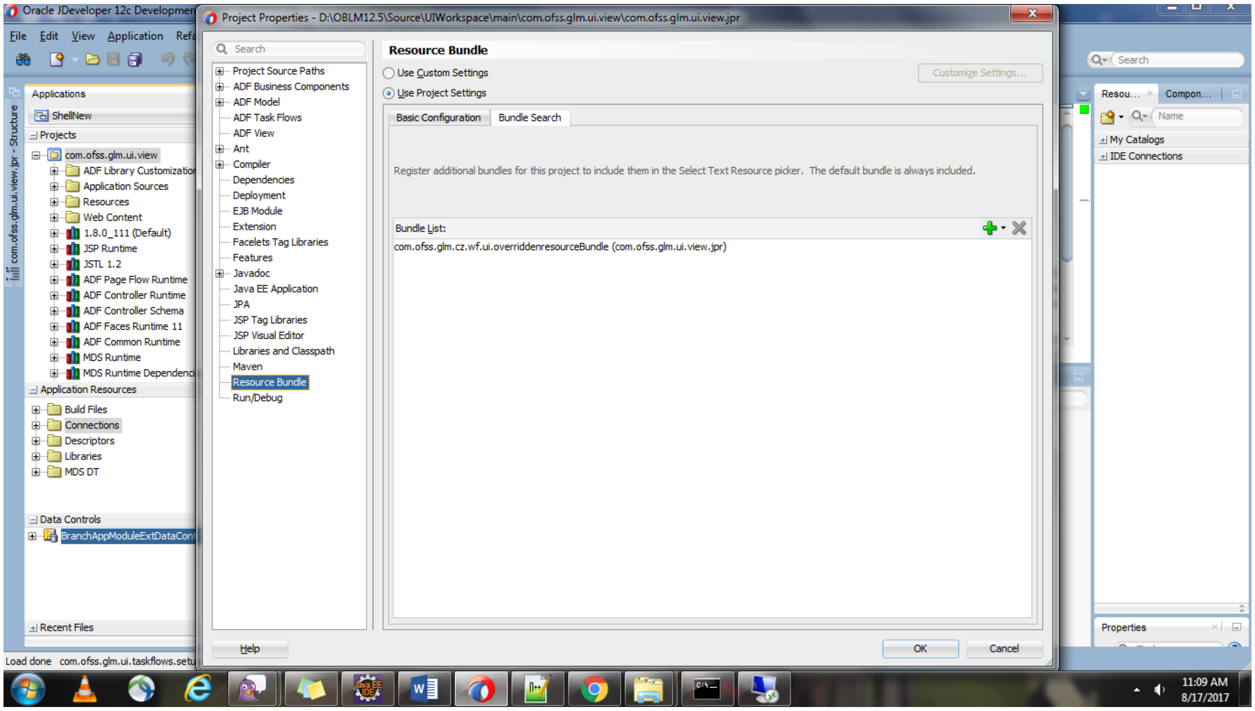


Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\src\com\ofss\glm\cz\wf\ui\overriddenresourceBundle.xlf

```
<?xml version="1.0" encoding="windows-1252" ?>
<xliff version="1.1" xmlns="urn:oasis:names:tc:xliff:document:1.1">
  <file source-language="en" original="com.ofss.glm.cz.wf.ui.untitled1" datatype="x-oracle-adf">
    <body>
      <trans-unit id="keyValue">
        <source/>
        <target/>
      </trans-unit>
       <trans-unit id="Hold">
        <source>Hold</source>
        <target/>
        <note>Branch on hold</note>
      </trans-unit>
    </body>
  </file>
</xliff>
```


Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr
File Edit View Application Refactor Search Navigate Build Run Team Tools Window Help
Applications
ShellNew
Projects
com.ofss.glm.ui.view
New
Edit Project Source Paths...
Delete Project
Find Project Files
Show Classpath
Show Overview
Find in Files... Ctrl+Shift-F
Replace in Files...
Deploy
Find Usages... Ctrl+Alt-U
Make com.ofss.glm.ui.view.jpr Ctrl-F9
Rebuild com.ofss.glm.ui.view.jpr Alt-F9
Run
Debug
Refactor
Compare With
Replace With
Restore from Local History
Refresh ADF Library Dependencies in com.ofss.glm.ui.view.jpr
Convert to Facelets...
Project Properties...
ADF Page Fragment...
ADF Page Template...
ADF Task Flow...
Application Module...
Association...
Business Components Diagram...
Business Components from Tables...
CSS File...
Empty Buildfile...
Entity Object...
HTML Page...
JSON File...
JavaScript File...
Page...
View Link...
View Object...
Java Class...
XML Localization File (XLIFF)...
From Gallery... Ctrl-N
Start Page
BranchUtilExt.java
BranchMaintenanceExt.java
BranchAssemblerExt.java
Breakpoints
Load done com.ofss.glm.ui.taskflows.setup.crcsetup
11:08 AM
8/17/2017

```
package com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.assembler;
```



Resource Bundle

○ Use Custom Settings

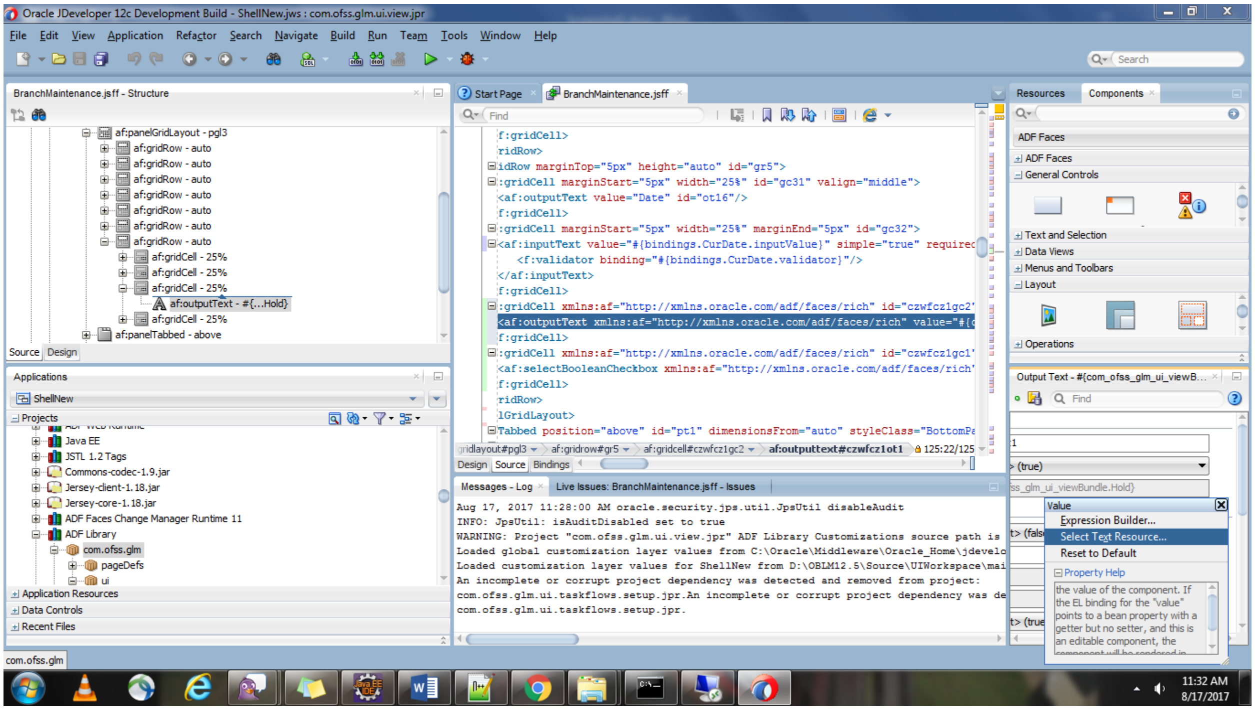
● Use Project Settings

Register additional bundles for this project to include them in the Select Text Resource picker. The default bundle is always included.

Bundle List:

com.ofss.glm.cz.wf.ui.overriddenresourceBundle (com.ofss.glm.ui.view.jpr)

7. Select the label of a field from resource bundle.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr

BranchMaintenance.jsff - Structure

```
f:gridCell>
ridRow>
idRow marginTop="5px" height="auto" id="gr5">
:gridCell marginStart="5px" width="25%" id="gc31" valign="middle">
<af:outputText value="Date" id="ot16"/>
f:gridCell>
:gridCell marginStart="5px" width="25%" marginEnd="5px" id="gc32">
<af:inputText value="#{bindings.CurDate.inputValue}" simple="true" requirec
   <f:validator binding="#{bindings.CurDate.validator}"/>
</af:inputText>
f:gridCell>
:gridCell xmlns:af="http://xmlns.oracle.com/adf/faces/rich" id="czwfcz1gc2'
<af:outputText xmlns:af="http://xmlns.oracle.com/adf/faces/rich" value="#{c
f:gridCell>
:gridCell xmlns:af="http://xmlns.oracle.com/adf/faces/rich" id="czwfcz1gc1'
<af:selectBooleanCheckbox xmlns:af="http://xmlns.oracle.com/adf/faces/rich'
f:gridCell>
ridRow>
lGridLayout>
Tabbed position="above" id="pt1" dimensionsFrom="auto" styleClass="BottomPa
```

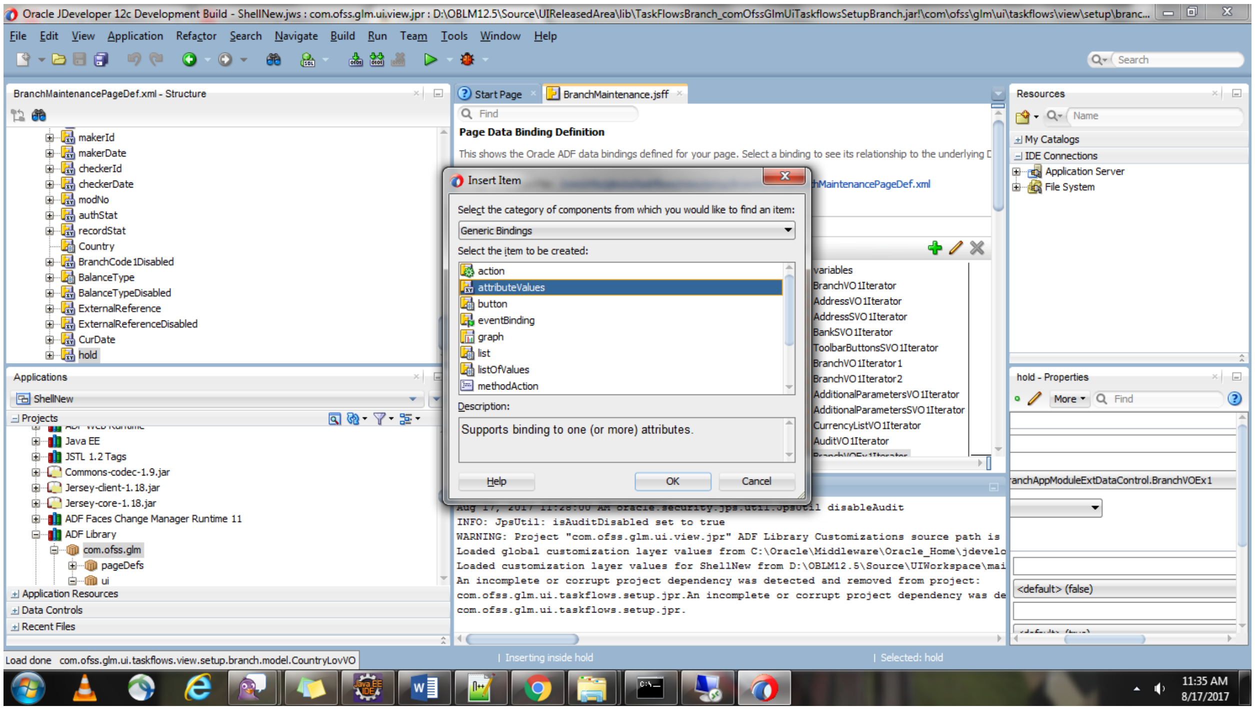
gridlayout#pgl3 > af:gridrow#gr5 > af:gridcell#czwfcz1gc2 > af:outputtext#czwfcz1ot1 125:22/125

```
Aug 17, 2017 11:28:00 AM oracle.security.jps.util.JpsUtil disableAudit
INFO: JpsUtil: isAuditDisabled set to true
WARNING: Project "com.ofss.glm.ui.view.jpr" ADF Library Customizations source path is
Loaded global customization layer values from C:\Oracle\Middleware\Oracle_Home\jdevelo
Loaded customization layer values for ShellNew from D:\OBLM12.5\Source\UIWorkspace\mai
An incomplete or corrupt project dependency was detected and removed from project:
com.ofss.glm.ui.taskflows.setup.jpr.An incomplete or corrupt project dependency was de
com.ofss.glm.ui.taskflows.setup.jpr.
```

1
(true)
ss_glm_ui_viewBundle.Hold}

the value of the component. If the EL binding for the "value" points to a bean property with a getter but no setter, and this is an editable component, the

11:32 AM
8/17/2017



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflowsSetupBranch.jar!\com\ofss\glm\ui\taskflows\view\setup\branc...

BranchMaintenancePageDef.xml - Structure

Page Data Binding Definition

This shows the Oracle ADF data bindings defined for your page. Select a binding to see its relationship to the underlying D

hMaintenancePageDef.xml

Insert Item

Select the category of components from which you would like to find an item:

Generic Bindings

Select the item to be created:

Description:

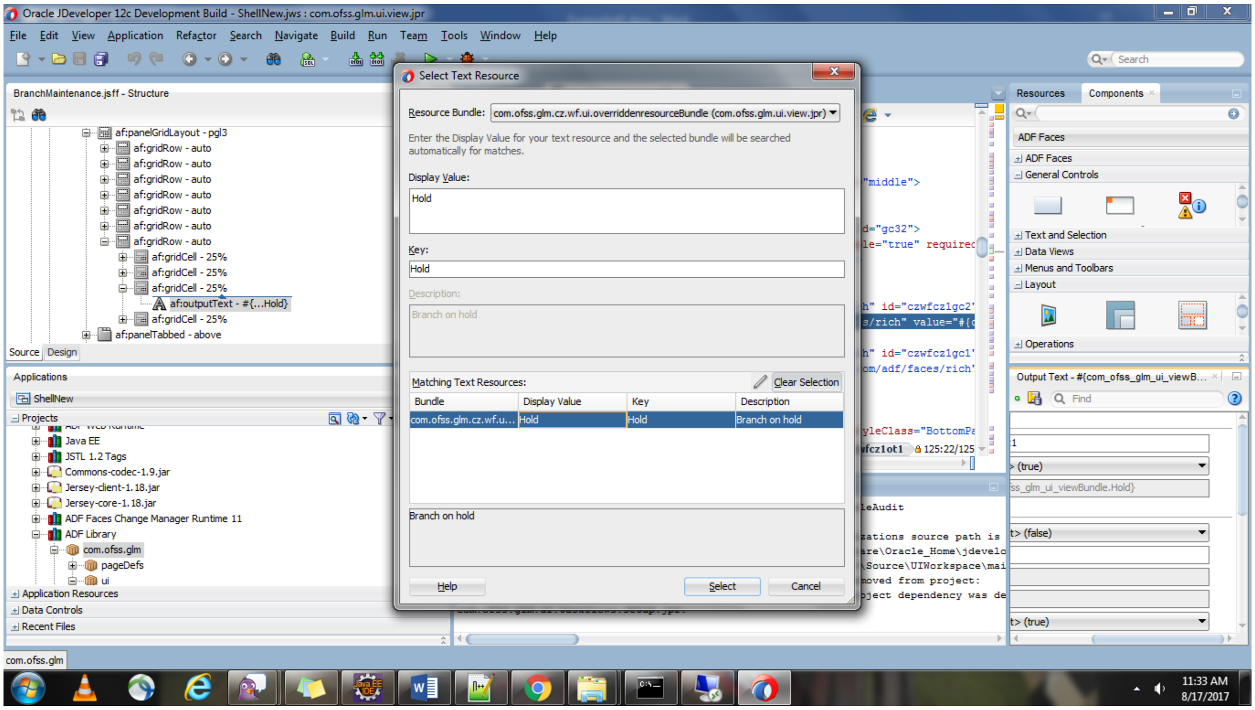
Supports binding to one (or more) attributes.

anchAppModuleExtDataControl.BranchVOEx1
<default> (false)

```
INFO: JpsUtil: isAuditDisabled set to true
WARNING: Project "com.ofss.glm.ui.view.jpr" ADF Library Customizations source path is
Loaded global customization layer values from C:\Oracle\Middleware\Oracle_Home\jdevelo
Loaded customization layer values for ShellNew from D:\OBLM12.5\Source\UIWorkspace\mai
An incomplete or corrupt project dependency was detected and removed from project:
com.ofss.glm.ui.taskflows.setup.jpr.An incomplete or corrupt project dependency was de
com.ofss.glm.ui.taskflows.setup.jpr.
```

Load done com.ofss.glm.ui.taskflows.view.setup.branch.model.CountryLovVO | Inserting inside hold | Selected: hold

11:35 AM
8/17/2017



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr

Select Text Resource

Resource Bundle: com.ofss.glm.cz.wf.ui.overriddenresourceBundle (com.ofss.glm.ui.view.jpr)

Enter the Display Value for your text resource and the selected bundle will be searched automatically for matches.

Display Value: Hold

Key: Hold

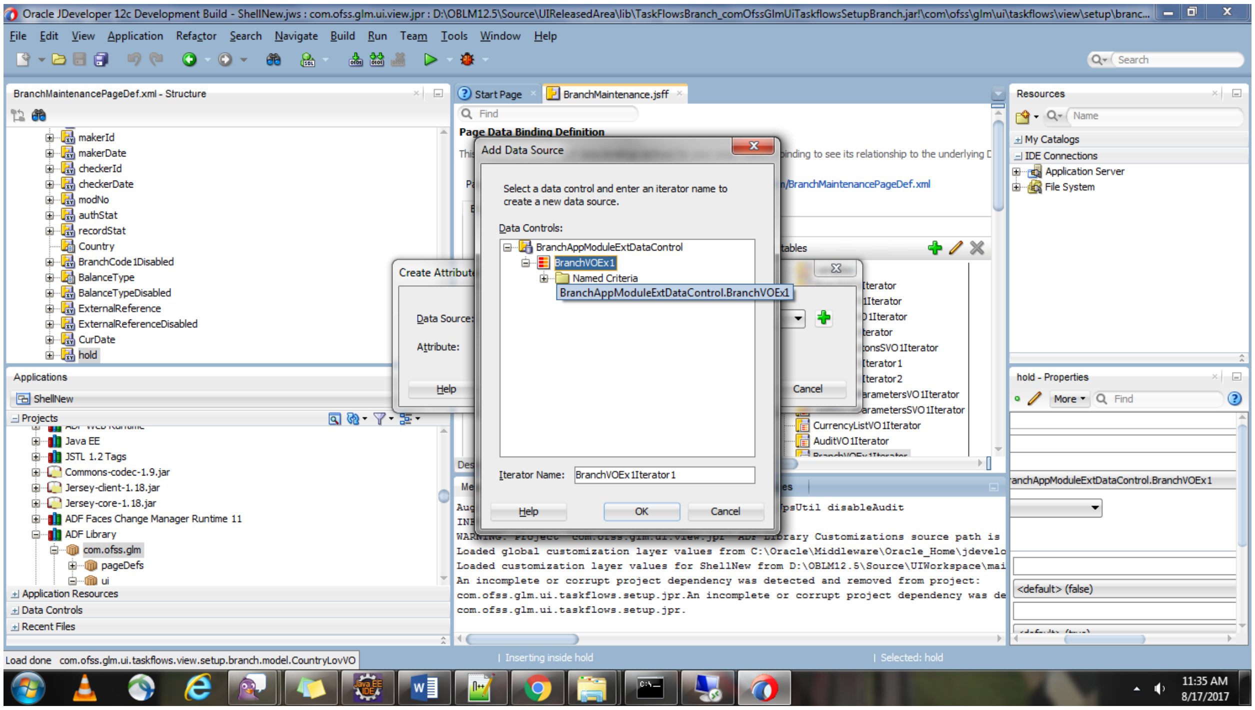
Description: Branch on hold

Matching Text Resources:

Bundle	Display Value	Key	Description
com.ofss.glm.cz.wf.u...	Hold	Hold	Branch on hold

Branch on hold

8. Once done with resource bundle, add the bindings of new attribute through iterator and datacontrol to store the value entered from UI/show the value fetched from DB.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflowsSetupBranch.jar!\com\ofss\glm\ui\taskflows\view\setup\branc...

Add Data Source

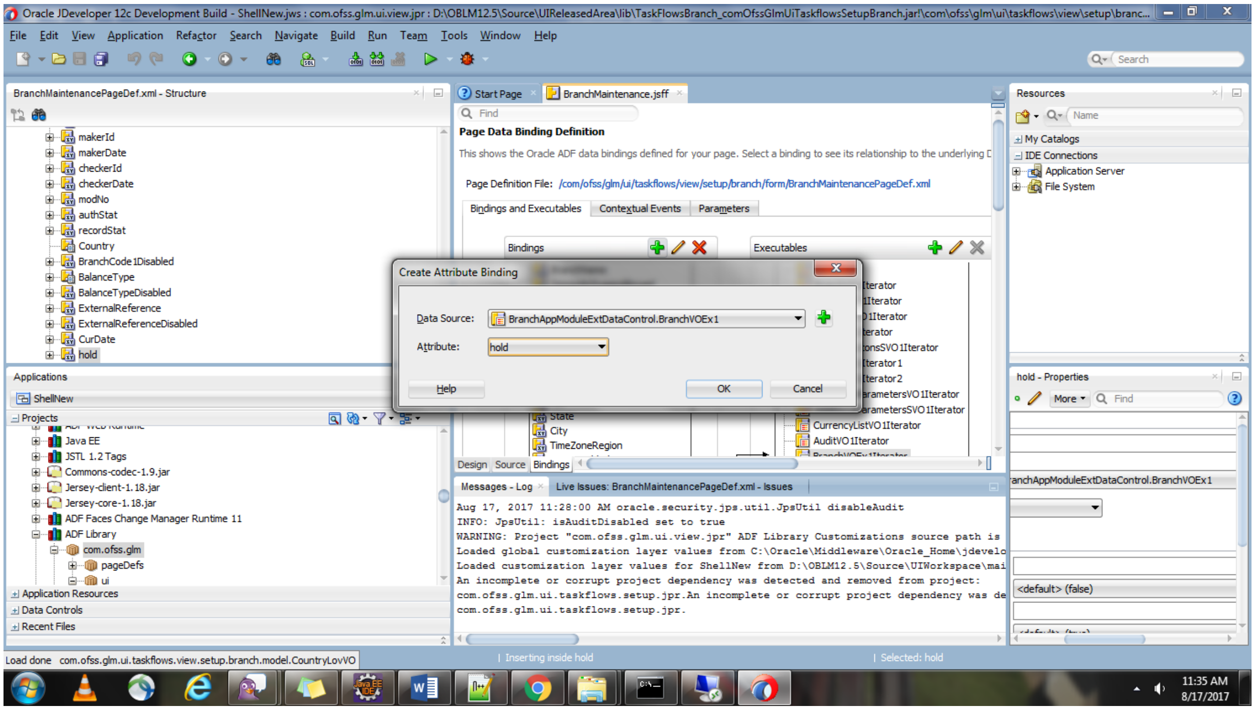
Select a data control and enter an iterator name to create a new data source.

Data Controls:
- BranchAppModuleExtDataControl
  - BranchVOEx1
    - Named Criteria

BranchAppModuleExtDataControl.BranchVOEx1

Iterator Name: BranchVOEx1Iterator1

```
WARNING: Project 'com.ofss.glm.ui.view.jpr' ADF Library Customizations source path is
Loaded global customization layer values from C:\Oracle\Middleware\Oracle_Home\jdevelo
Loaded customization layer values for ShellNew from D:\OBLM12.5\Source\UIWorkspace\mai
An incomplete or corrupt project dependency was detected and removed from project:
com.ofss.glm.ui.taskflows.setup.jpr.An incomplete or corrupt project dependency was de
com.ofss.glm.ui.taskflows.setup.jpr.
```



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflowsSetupBranch.jar!\com\ofss\glm\ui\taskflows\view\setup\branc...

Page Data Binding Definition

This shows the Oracle ADF data bindings defined for your page. Select a binding to see its relationship to the underlying D

Page Definition File: /com/ofss/glm/ui/taskflows/view/setup/branch/form/BranchMaintenancePageDef.xml

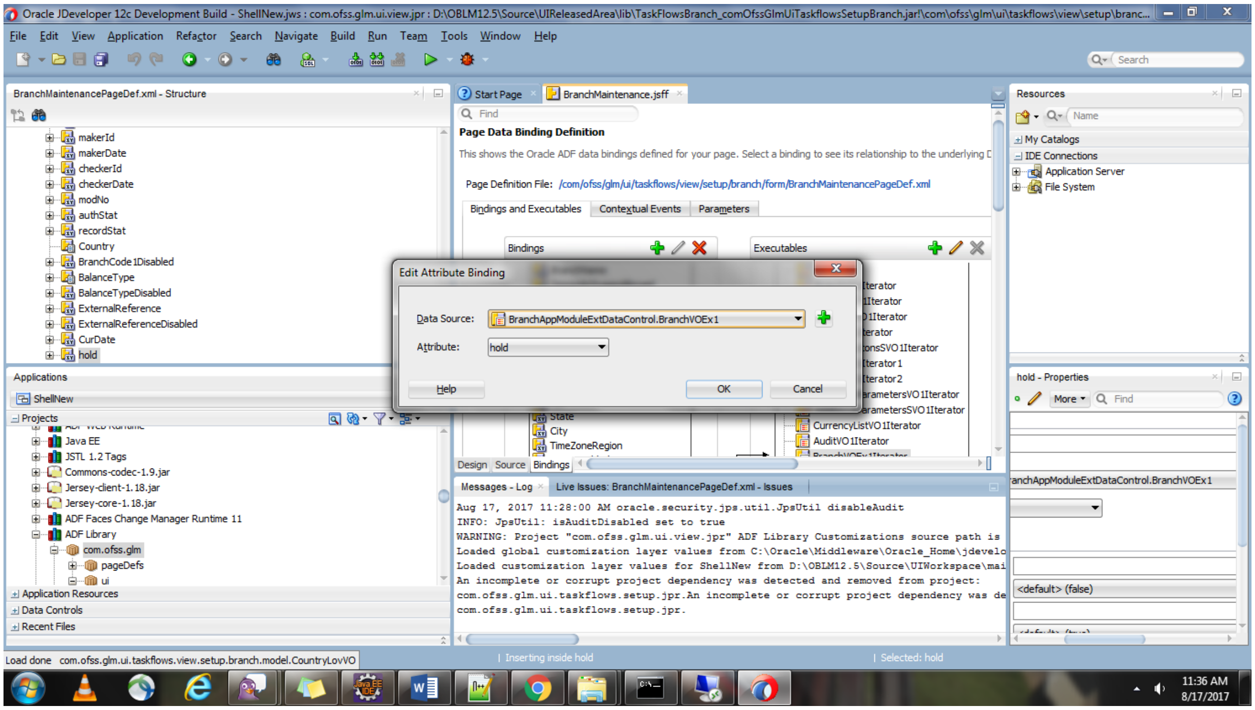
Create Attribute Binding

Data Source: BranchAppModuleExtDataControl.BranchVOEx1

Attribute: hold

```
Aug 17, 2017 11:28:00 AM oracle.security.jps.util.JpsUtil disableAudit
INFO: JpsUtil: isAuditDisabled set to true
WARNING: Project "com.ofss.glm.ui.view.jpr" ADF Library Customizations source path is
Loaded global customization layer values from C:\Oracle\Middleware\Oracle_Home\jdevelo
Loaded customization layer values for ShellNew from D:\OBLM12.5\Source\UIWorkspace\mai
An incomplete or corrupt project dependency was detected and removed from project:
com.ofss.glm.ui.taskflows.setup.jpr.An incomplete or corrupt project dependency was de
com.ofss.glm.ui.taskflows.setup.jpr.
```

Load done com.ofss.glm.ui.taskflows.view.setup.branch.model.CountryLovVO | Inserting inside hold | Selected: hold



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflowsSetupBranch.jar!\com\ofss\glm\ui\taskflows\view\setup\branc...

Page Data Binding Definition

This shows the Oracle ADF data bindings defined for your page. Select a binding to see its relationship to the underlying D

Page Definition File: /com/ofss/glm/ui/taskflows/view/setup/branch/form/BranchMaintenancePageDef.xml

Edit Attribute Binding

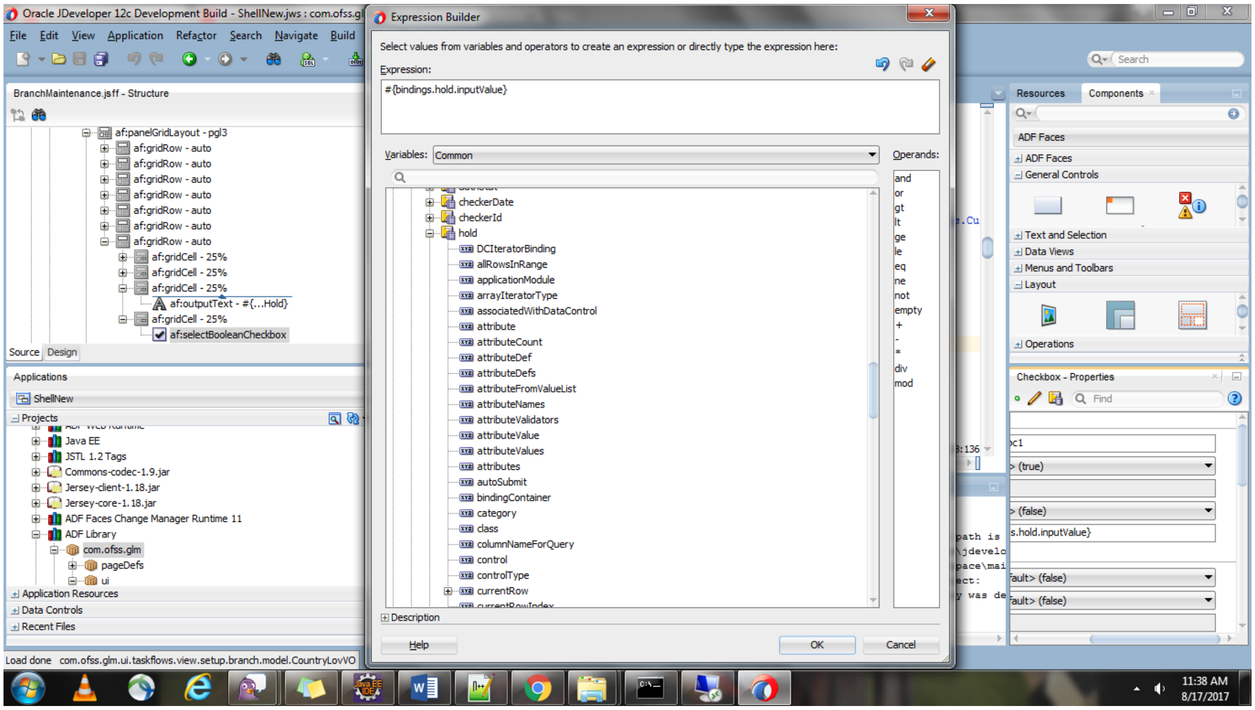
Data Source: BranchAppModuleExtDataControl.BranchVOEx1

Attribute: hold

```
Aug 17, 2017 11:28:00 AM oracle.security.jps.util.JpsUtil disableAudit
INFO: JpsUtil: isAuditDisabled set to true
WARNING: Project "com.ofss.glm.ui.view.jpr" ADF Library Customizations source path is
Loaded global customization layer values from C:\Oracle\Middleware\Oracle_Home\jdevelo
Loaded customization layer values for ShellNew from D:\OBLM12.5\Source\UIWorkspace\mai
An incomplete or corrupt project dependency was detected and removed from project:
com.ofss.glm.ui.taskflows.setup.jpr.An incomplete or corrupt project dependency was de
com.ofss.glm.ui.taskflows.setup.jpr.
```

Load done com.ofss.glm.ui.taskflows.view.setup.branch.model.CountryLovVO | Inserting inside hold | Selected: hold

9. Once done add the binding to the value of a field.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.g

Expression Builder

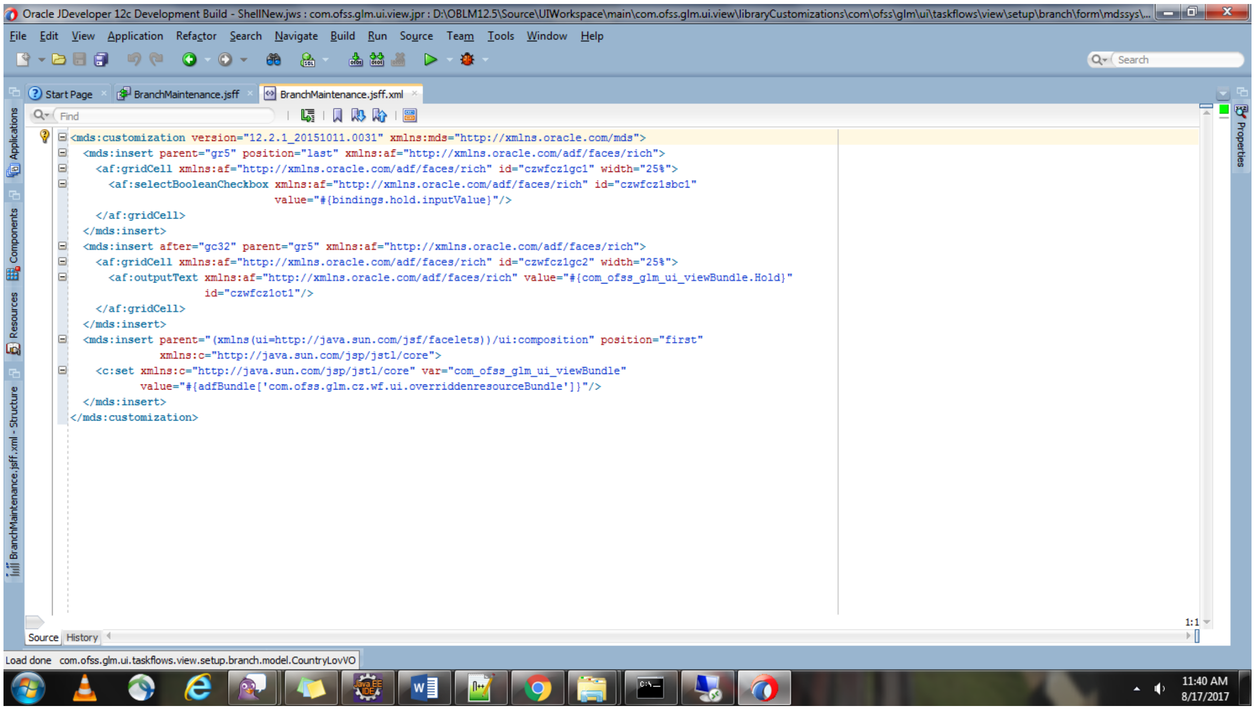
Select values from variables and operators to create an expression or directly type the expression here:

Expression:

```
#{bindings.hold.inputValue}
```

Variables: Common

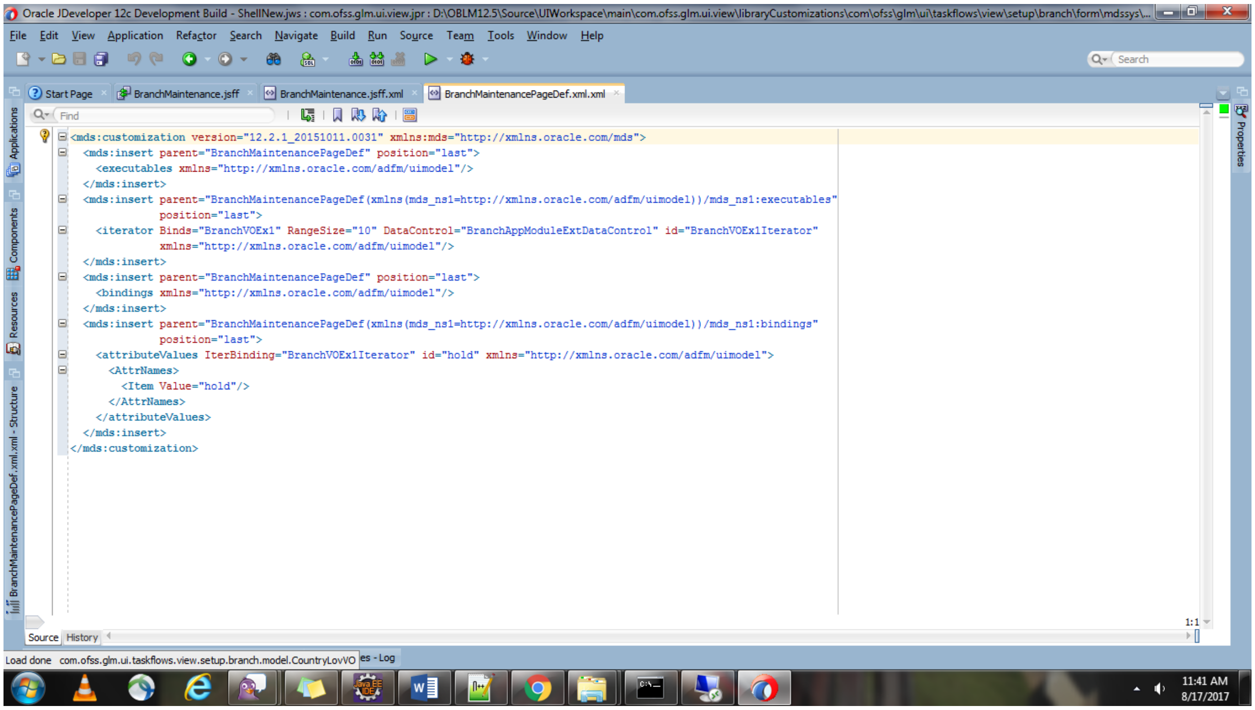
Operands:



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\libraryCustomizations\com\ofss\glm\ui\taskflows\view\setup\branch\form\mdssys\...

```
<mds:customization version="12.2.1_20151011.0031" xmlns:mds="http://xmlns.oracle.com/mds">
  <mds:insert parent="gr5" position="last" xmlns:af="http://xmlns.oracle.com/adf/faces/rich">
    <af:gridCell xmlns:af="http://xmlns.oracle.com/adf/faces/rich" id="czwfcz1gc1" width="25%">
      <af:selectBooleanCheckbox xmlns:af="http://xmlns.oracle.com/adf/faces/rich" id="czwfcz1sbc1"
                               value="#{bindings.hold.inputValue}"/>
    </af:gridCell>
  </mds:insert>
  <mds:insert after="gc32" parent="gr5" xmlns:af="http://xmlns.oracle.com/adf/faces/rich">
    <af:gridCell xmlns:af="http://xmlns.oracle.com/adf/faces/rich" id="czwfcz1gc2" width="25%">
      <af:outputText xmlns:af="http://xmlns.oracle.com/adf/faces/rich" value="#{com_ofss_glm_ui_viewBundle.Hold}"
                     id="czwfcz1ot1"/>
    </af:gridCell>
  </mds:insert>
  <mds:insert parent="(xmlns(ui=http://java.sun.com/jsf/facelets))/ui:composition" position="first"
              xmlns:c="http://java.sun.com/jsp/jstl/core">
    <c:set xmlns:c="http://java.sun.com/jsp/jstl/core" var="com_ofss_glm_ui_viewBundle"
           value="#{adfBundle['com.ofss.glm.cz.wf.ui.overriddenresourceBundle']}"/>
  </mds:insert>
</mds:customization>
```

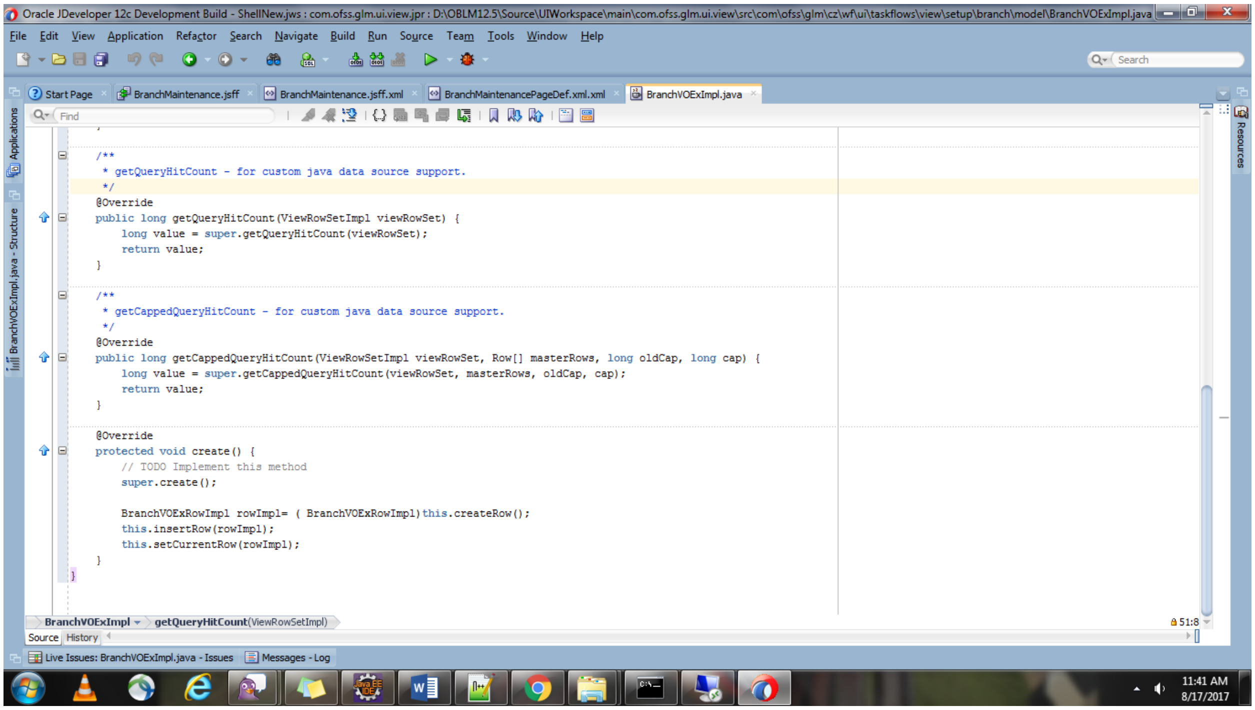
Source
History
1:1
Load done com.ofss.glm.ui.taskflows.view.setup.branch.model.CountryLovVO
11:40 AM
8/17/2017



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\libraryCustomizations\com\ofss\glm\ui\taskflows\view\setup\branch\form\mdssys\...
File Edit View Application Refactor Search Navigate Build Run Source Team Tools Window Help
Search
Start Page
BranchMaintenance.jsff
BranchMaintenance.jsff.xml
BranchMaintenancePageDef.xml.xml
Find
Applications
Components
Resources
BranchMaintenancePageDef.xml.xml - Structure
Properties
1:1
Source
History
Load done com.ofss.glm.ui.taskflows.view.setup.branch.model.CountryLovVO
es - Log
11:41 AM
8/17/2017

```
<mds:customization version="12.2.1_20151011.0031" xmlns:mds="http://xmlns.oracle.com/mds">
  <mds:insert parent="BranchMaintenancePageDef" position="last">
    <executables xmlns="http://xmlns.oracle.com/adfm/uimodel"/>
  </mds:insert>
  <mds:insert parent="BranchMaintenancePageDef(xmlns(mds_ns1=http://xmlns.oracle.com/adfm/uimodel))/mds_ns1:executables"
              position="last">
    <iterator Binds="BranchVOEx1" RangeSize="10" DataControl="BranchAppModuleExtDataControl" id="BranchVOEx1Iterator"
              xmlns="http://xmlns.oracle.com/adfm/uimodel"/>
  </mds:insert>
  <mds:insert parent="BranchMaintenancePageDef" position="last">
    <bindings xmlns="http://xmlns.oracle.com/adfm/uimodel"/>
  </mds:insert>
  <mds:insert parent="BranchMaintenancePageDef(xmlns(mds_ns1=http://xmlns.oracle.com/adfm/uimodel))/mds_ns1:bindings"
              position="last">
    <attributeValues IterBinding="BranchVOEx1Iterator" id="hold" xmlns="http://xmlns.oracle.com/adfm/uimodel">
      <AttrNames>
        <Item Value="hold"/>
      </AttrNames>
    </attributeValues>
  </mds:insert>
</mds:customization>
```

10. Add create method to set the current row to *VOImpl class newly created VO.

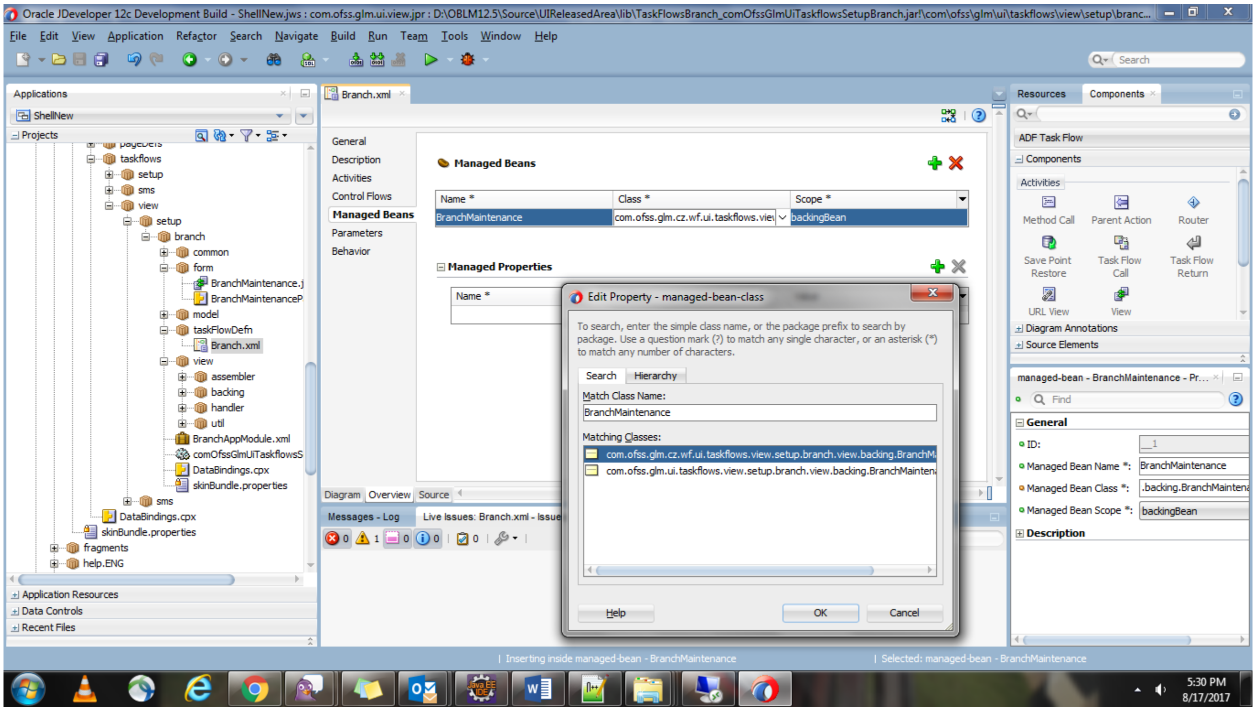


Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\src\com\ofss\glm\cz\wf\ui\taskflows\view\setup\branch\model\BranchVOExImpl.java
File Edit View Application Refactor Search Navigate Build Run Source Team Tools Window Help
Search
Start Page
BranchMaintenance.jsff
BranchMaintenance.jsff.xml
BranchMaintenancePageDef.xml.xml
BranchVOExImpl.java
Find
Applications
BranchVOExImpl.java - Structure
Resources
BranchVOExImpl
getQueryHitCount(ViewRowSetImpl)
51:8
Source
History
Live Issues: BranchVOExImpl.java - Issues
Messages - Log
11:41 AM
8/17/2017

```
    /**
     * getQueryHitCount - for custom java data source support.
     */
    @Override
    public long getQueryHitCount(ViewRowSetImpl viewRowSet) {
        long value = super.getQueryHitCount(viewRowSet);
        return value;
    }

    /**
     * getCappedQueryHitCount - for custom java data source support.
     */
    @Override
    public long getCappedQueryHitCount(ViewRowSetImpl viewRowSet, Row[] masterRows, long oldCap, long cap) {
        long value = super.getCappedQueryHitCount(viewRowSet, masterRows, oldCap, cap);
        return value;
    }

    @Override
    protected void create() {
        // TODO Implement this method
        super.create();

        BranchVOExRowImpl rowImpl= ( BranchVOExRowImpl)this.createRow();
        this.insertRow(rowImpl);
        this.setCurrentRow(rowImpl);
    }
}
```

1.9 Customizing Task Flow

Modify the Managed Bean class in the Taskflow with the extended bean class.



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIReleasedArea\lib\TaskFlowsBranch_comOfssGlmUiTaskflowsSetupBranch.jar!\com\ofss\glm\ui\taskflows\view\setup\branc...

Managed Beans

Name *	Class *	Scope *
BranchMaintenance	com.ofss.glm.cz.wf.ui.taskflows.vie	backingBean

Edit Property - managed-bean-class

To search, enter the simple class name, or the package prefix to search by package. Use a question mark (?) to match any single character, or an asterisk (*) to match any number of characters.

Match Class Name: BranchMaintenance

Matching Classes:

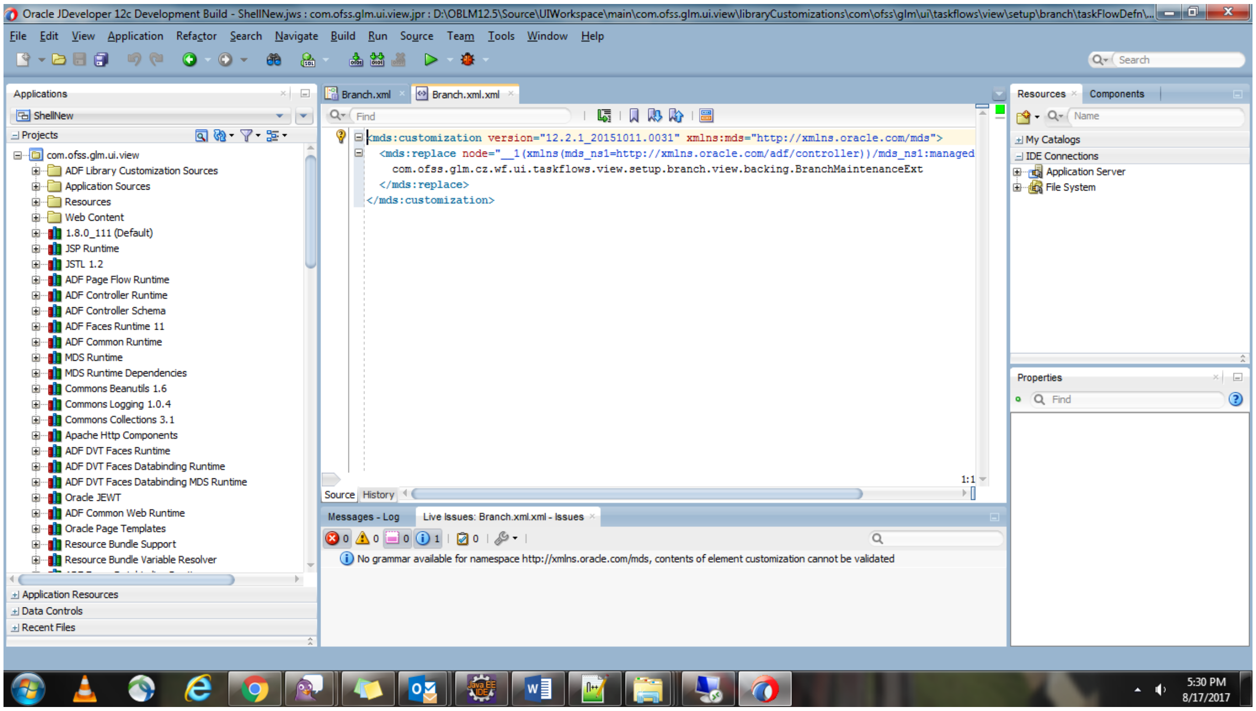
- com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.backing.BranchM
- com.ofss.glm.ui.taskflows.view.setup.branch.view.backing.BranchMainten

managed-bean - BranchMaintenance - Pr...

General

- ID: __1
- Managed Bean Name *: BranchMaintenance
- Managed Bean Class *: .backing.BranchMainten
- Managed Bean Scope *: backingBean

| Inserting inside managed-bean - BranchMaintenance | Selected: managed-bean - BranchMaintenance



Oracle JDeveloper 12c Development Build - ShellNew.jws : com.ofss.glm.ui.view.jpr : D:\OBLM12.5\Source\UIWorkspace\main\com.ofss.glm.ui.view\libraryCustomizations\com\ofss\glm\ui\taskflows\view\setup\branch\taskFlowDefn\...

```
<mds:customization version="12.2.1_20151011.0031" xmlns:mds="http://xmlns.oracle.com/mds">
  <mds:replace node="__1(xmlns(mds_ns1=http://xmlns.oracle.com/adf/controller))/mds_ns1:managed
    com.ofss.glm.cz.wf.ui.taskflows.view.setup.branch.view.backing.BranchMaintenanceExt
  </mds:replace>
</mds:customization>
```

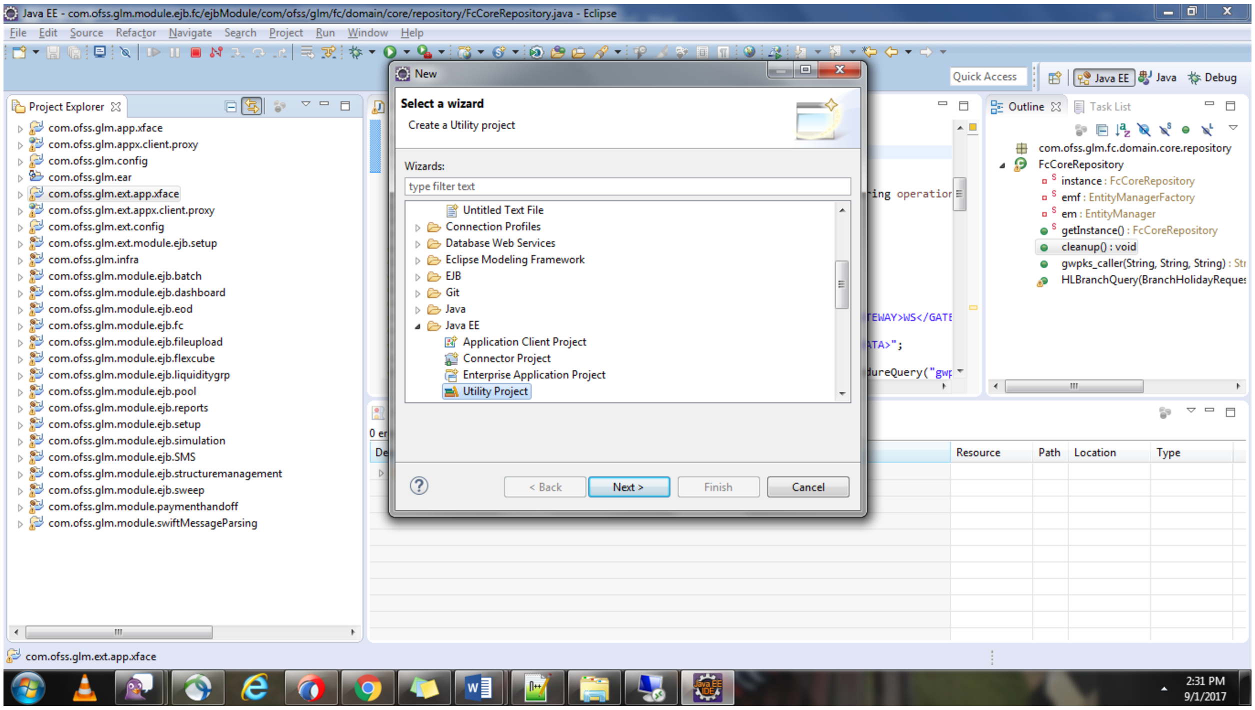
No grammar available for namespace http://xmlns.oracle.com/mds, contents of element customization cannot be validated

Once changes are done deploy the UI application.

2. Extending Host for Customization

2.1 Extending Common Projects and Deployment

1. Create xface Extension Project


Java EE - com.ofss.glm.module.ejb.fc/ejbModule/com/ofss/glm/fc/domain/core/repository/FcCoreRepository.java - Eclipse

New

Select a wizard

Create a Utility project

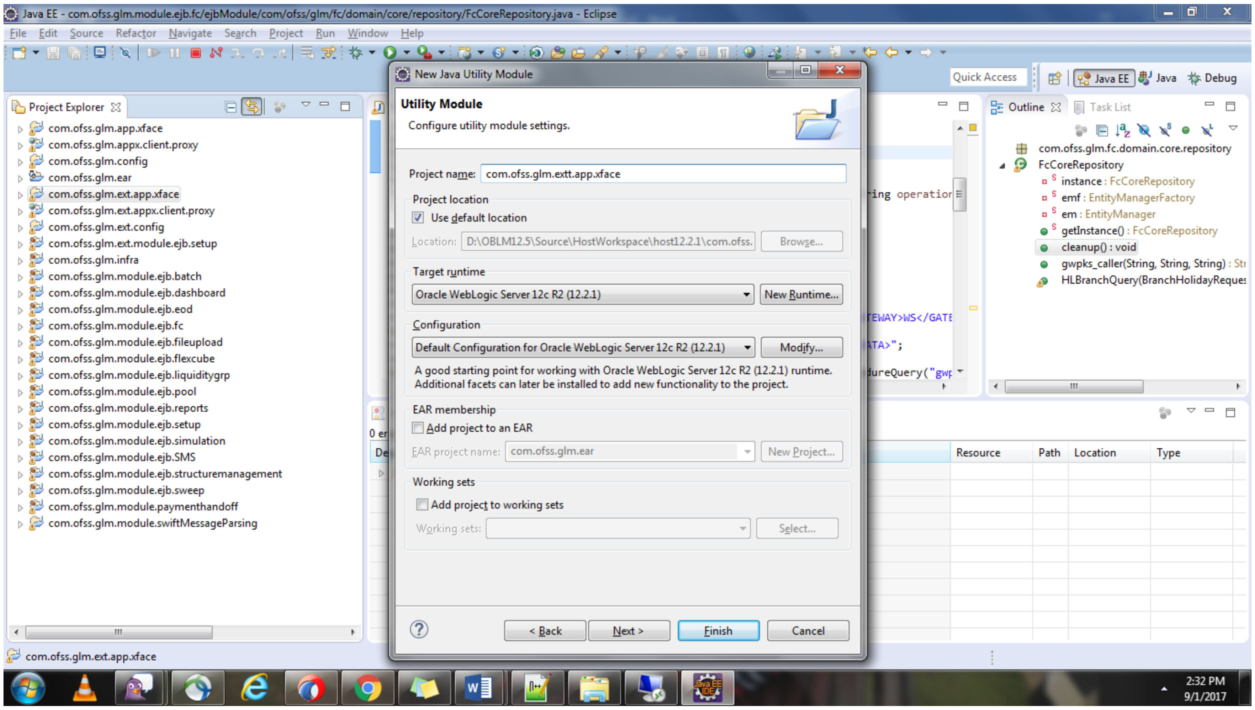
Wizards:

type filter text

- Untitled Text File
- ▷ Connection Profiles
- ▷ Database Web Services
- ▷ Eclipse Modeling Framework
- ▷ EJB
- ▷ Git
- ▷ Java
- ◢ Java EE
  - Application Client Project
  - Connector Project
  - Enterprise Application Project
  - Utility Project

< Back | Next > | Finish | Cancel

File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
Quick Access
Java EE
Java
Debug
Outline
Task List
com.ofss.glm.fc.domain.core.repository
FcCoreRepository
instance : FcCoreRepository
emf : EntityManagerFactory
em : EntityManager
getInstance() : FcCoreRepository
cleanup() : void
gwpks_caller(String, String, String) : Str
HLBranchQuery(BranchHolidayReques
Resource
Path
Location
Type
com.ofss.glm.ext.app.xface
2:31 PM
9/1/2017


Java EE - com.ofss.glm.module.ejb.fc/ejbModule/com/ofss/glm/fc/domain/core/repository/FcCoreRepository.java - Eclipse

New Java Utility Module

Utility Module

Configure utility module settings.

Project name: com.ofss.glm.extt.app.xface

Project location

☑ Use default location

Location: D:\OBLM12.5\Source\HostWorkspace\host12.2.1\com.ofss. | Browse...

Target runtime

Oracle WebLogic Server 12c R2 (12.2.1) | New Runtime...

Configuration

Default Configuration for Oracle WebLogic Server 12c R2 (12.2.1) | Modify...

A good starting point for working with Oracle WebLogic Server 12c R2 (12.2.1) runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership

□ Add project to an EAR

EAR project name: com.ofss.glm.ear | New Project...

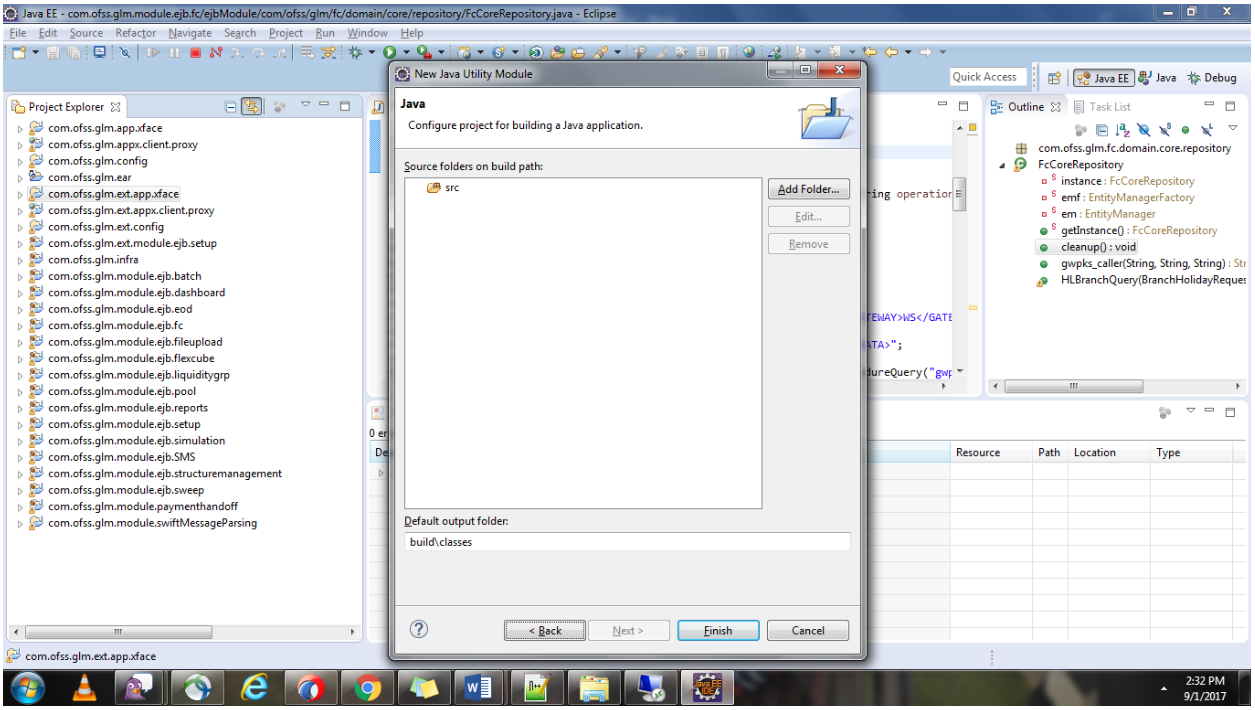
Working sets

□ Add project to working sets

Working sets: | Select...

< Back | Next > | Finish | Cancel

File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
Quick Access
Java EE
Java
Debug
Outline
Task List
com.ofss.glm.fc.domain.core.repository
FcCoreRepository
instance : FcCoreRepository
emf : EntityManagerFactory
em : EntityManager
getInstance() : FcCoreRepository
cleanup() : void
gwpks_caller(String, String, String) : Str
HLBranchQuery(BranchHolidayReques
Resource
Path
Location
Type
com.ofss.glm.ext.app.xface
2:32 PM
9/1/2017



Java EE - com.ofss.glm.module.ejb.fc/ejbModule/com/ofss/glm/fc/domain/core/repository/FcCoreRepository.java - Eclipse

New Java Utility Module

Java

Configure project for building a Java application.

Source folders on build path:

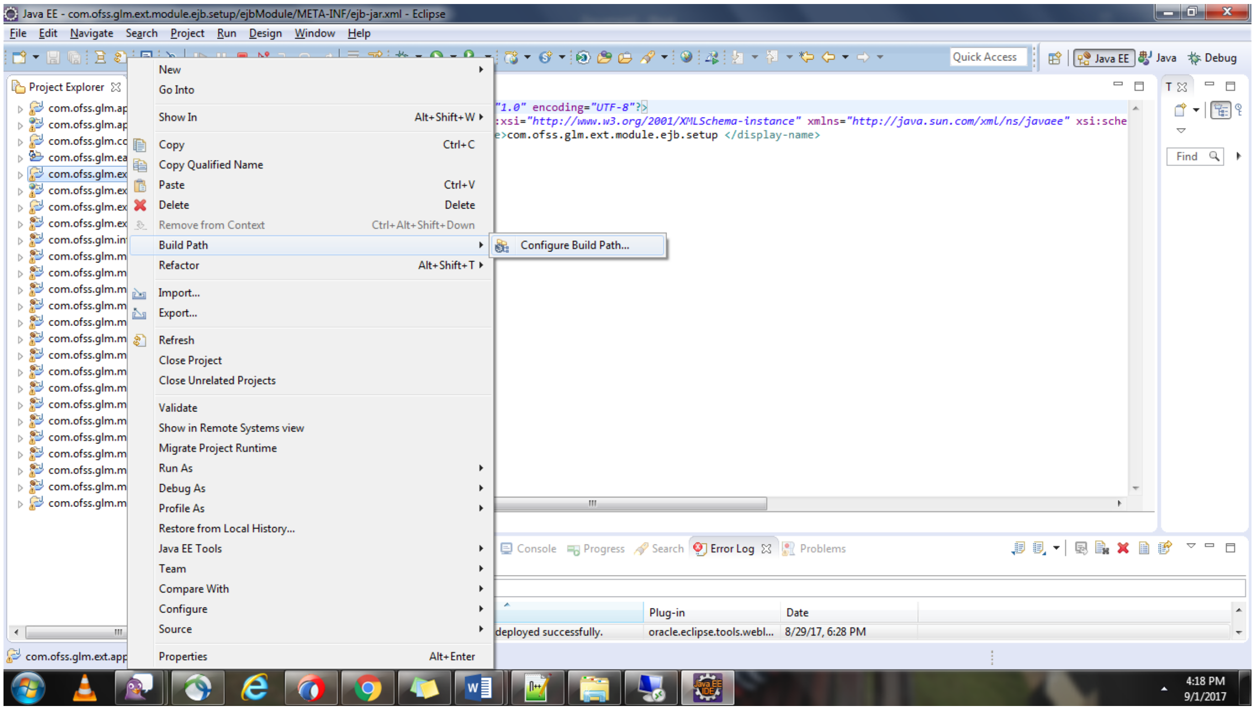
src

Default output folder:

build\classes

File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
Add Folder...
Edit...
Remove
< Back
Next >
Finish
Cancel
Outline
Task List
com.ofss.glm.fc.domain.core.repository
FcCoreRepository
instance : FcCoreRepository
emf : EntityManagerFactory
em : EntityManager
getInstance() : FcCoreRepository
cleanup() : void
gwpks_caller(String, String, String) : Str
HLBranchQuery(BranchHolidayReques
Resource
Path
Location
Type
com.ofss.glm.ext.app.xface
2:32 PM
9/1/2017

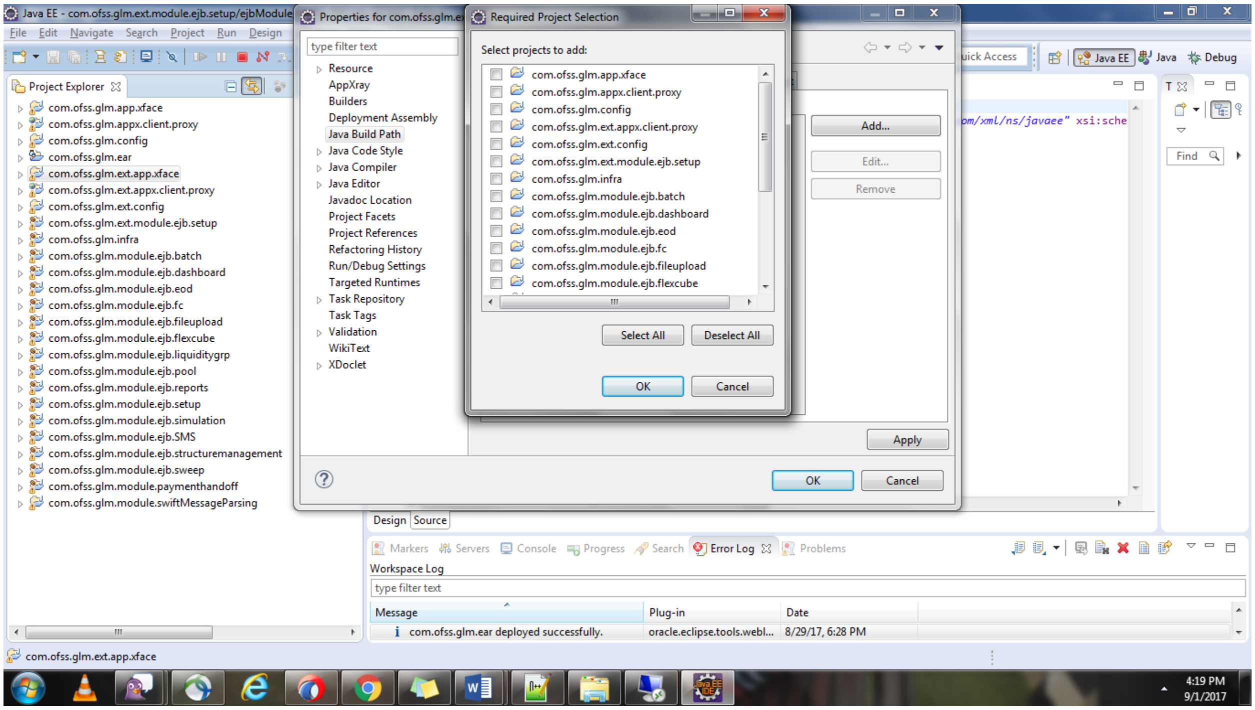
2 Add Existing xface projects as dependency in Java Build Path.



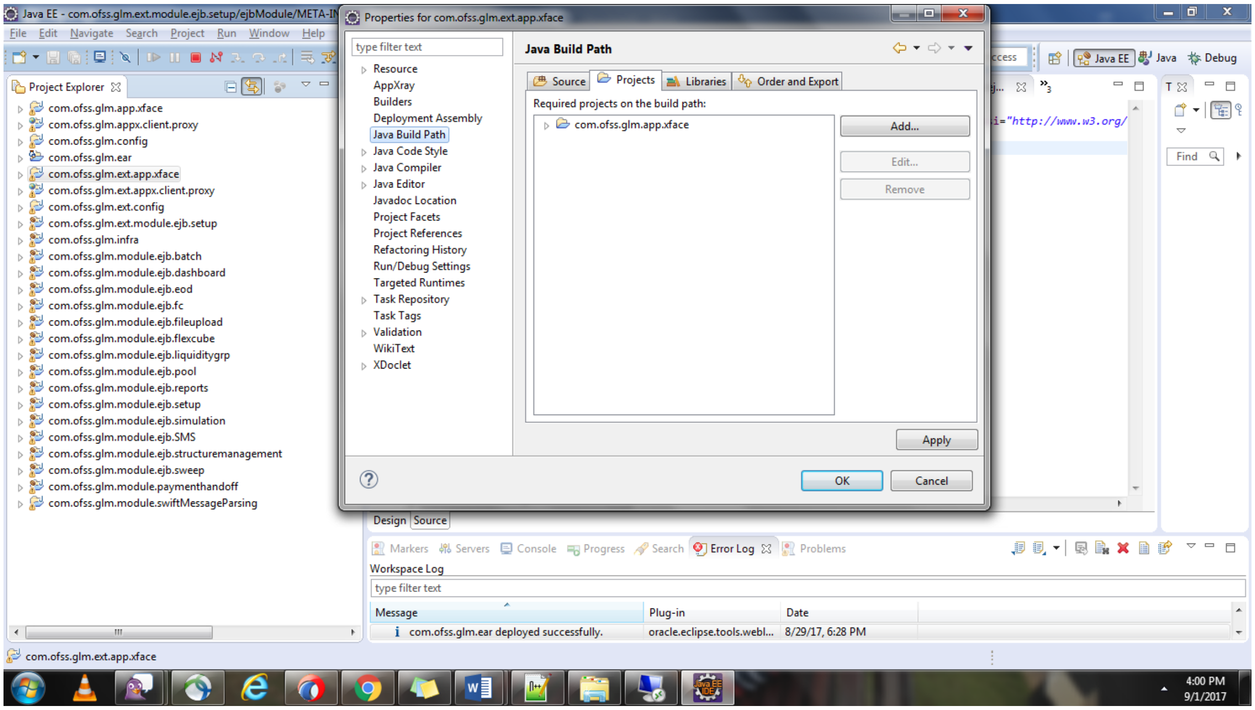
Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/META-INF/ejb-jar.xml - Eclipse

```
"1.0" encoding="UTF-8"?>
:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://java.sun.com/xml/ns/javaee" xsi:sche
>com.ofss.glm.ext.module.ejb.setup </display-name>
```

	Plug-in	Date
deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM

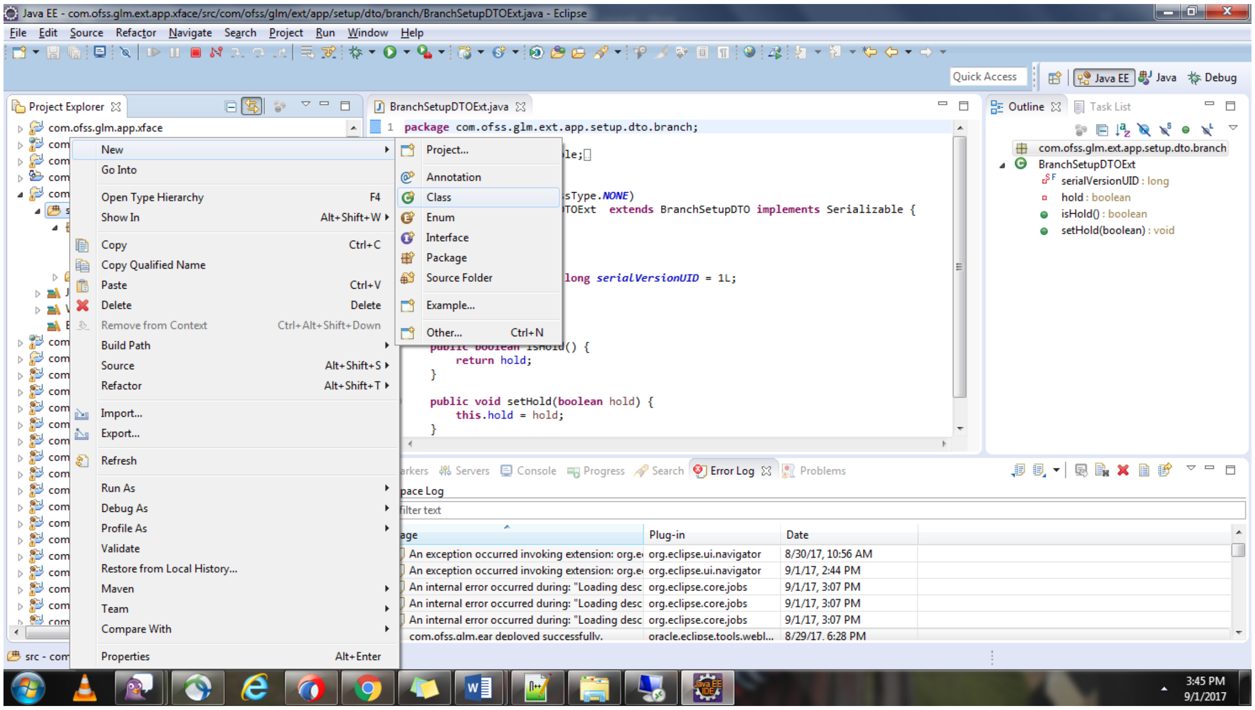

Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule
Properties for com.ofss.glm.e
Required Project Selection
Select projects to add:
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
Select All
Deselect All
OK
Cancel
Add...
Edit...
Remove
Apply
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
Resource
AppXray
Builders
Deployment Assembly
Java Build Path
Java Code Style
Java Compiler
Java Editor
Javadoc Location
Project Facets
Project References
Refactoring History
Run/Debug Settings
Targeted Runtimes
Task Repository
Task Tags
Validation
WikiText
XDoclet
Markers
Servers
Console
Progress
Search
Error Log
Problems
Workspace Log
com.ofss.glm.ext.app.xface
4:19 PM
9/1/2017

Message	Plug-in	Date
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/META-IN
Properties for com.ofss.glm.ext.app.xface
Java Build Path
Source
Projects
Libraries
Order and Export
Required projects on the build path:
com.ofss.glm.app.xface
Add...
Edit...
Remove
Apply
OK
Cancel
com.ofss.glm.ext.app.xface
4:00 PM
9/1/2017

Message	Plug-in	Date
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM

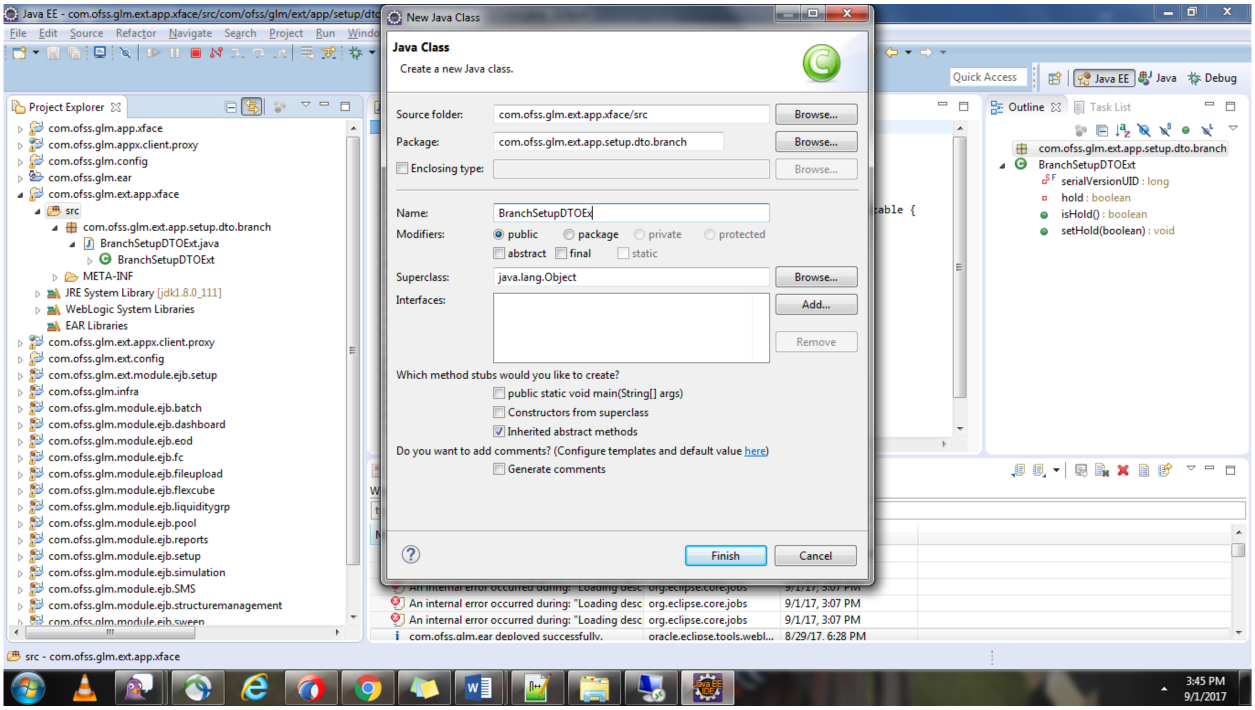
3 Once done with the project Creation, Create a Child DTO for the base DTO which we need to extend.



```
package com.ofss.glm.ext.app.setup.dto.branch;
...le;
...sType.NONE)
...TOExt  extends BranchSetupDTO implements Serializable {
...long serialVersionUID = 1L;
    public boolean isHold() {
        return hold;
    }

    public void setHold(boolean hold) {
        this.hold = hold;
    }
```

- com.ofss.glm.ext.app.setup.dto.branch
- BranchSetupDTOExt
  - serialVersionUID : long
  - hold : boolean
  - isHold() : boolean
  - setHold(boolean) : void

```
Message                                             Plug-in                    Date
An exception occurred invoking extension: org.e     org.eclipse.ui.navigator   8/30/17, 10:56 AM
An exception occurred invoking extension: org.e     org.eclipse.ui.navigator   9/1/17, 2:44 PM
An internal error occurred during: "Loading desc    org.eclipse.core.jobs      9/1/17, 3:07 PM
An internal error occurred during: "Loading desc    org.eclipse.core.jobs      9/1/17, 3:07 PM
An internal error occurred during: "Loading desc    org.eclipse.core.jobs      9/1/17, 3:07 PM
com.ofss.glm.ear deployed successfully.             oracle.eclipse.tools.webl...  8/29/17, 6:28 PM
```



Java EE - com.ofss.glm.ext.app.xface/src/com/ofss/glm/ext/app/setup/dto
File Edit Source Refactor Navigate Search Project Run Window
New Java Class
Browse...
Browse...
Browse...
Browse...
Add...
Remove
Finish
Cancel
Quick Access
Java EE
Java
Debug
Project Explorer
Outline
Task List
src - com.ofss.glm.ext.app.xface
3:45 PM
9/1/2017

Java Class

Create a new Java class.

Source folder: com.ofss.glm.ext.app.xface/src

Package: com.ofss.glm.ext.app.setup.dto.branch

□ Enclosing type:

Name: BranchSetupDTOEx

Modifiers: ● public ○ package ○ private ○ protected

□ abstract □ final □ static

Superclass: java.lang.Object

Interfaces:

Which method stubs would you like to create?

□ public static void main(String[] args)

□ Constructors from superclass

☑ Inherited abstract methods

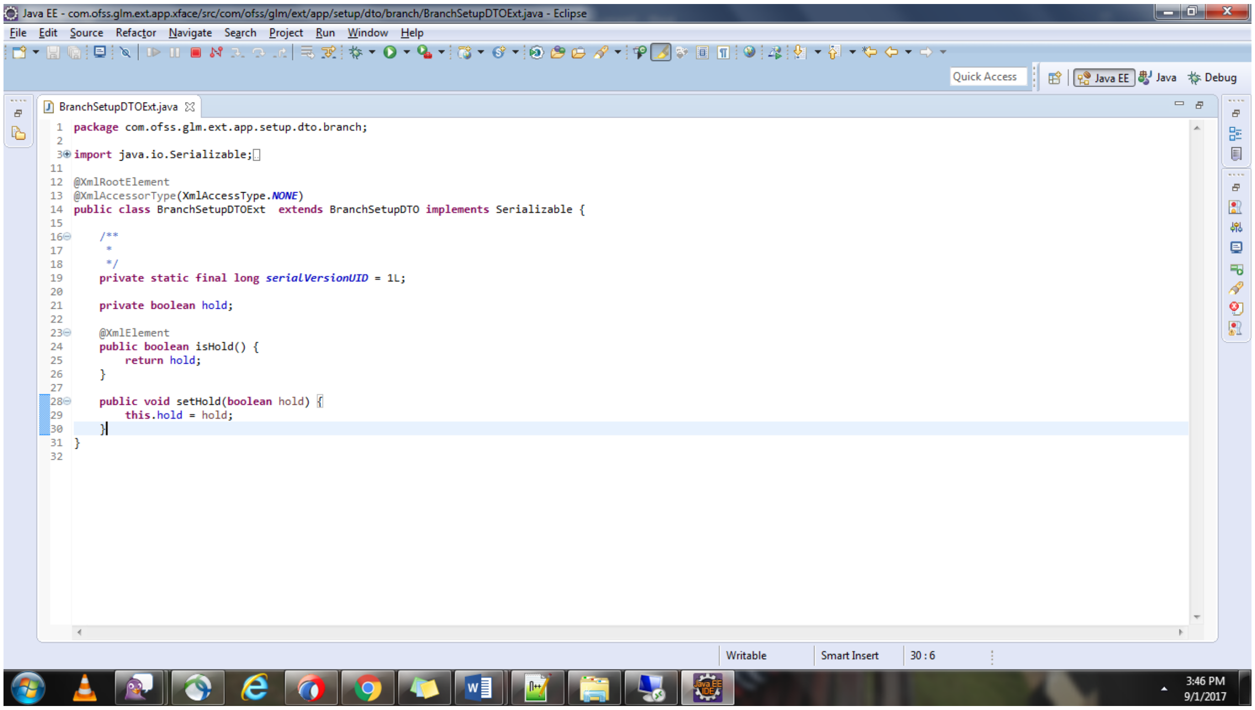
Do you want to add comments? (Configure templates and default value here)

□ Generate comments

- com.ofss.glm.app.xface
- com.ofss.glm.appx.client.proxy
- com.ofss.glm.config
- com.ofss.glm.ear
- com.ofss.glm.ext.app.xface
  - src
    - com.ofss.glm.ext.app.setup.dto.branch
      - BranchSetupDTOExt.java
        - BranchSetupDTOExt
    - META-INF
  - JRE System Library [jdk1.8.0_111]
  - WebLogic System Libraries
  - EAR Libraries
- com.ofss.glm.ext.appx.client.proxy
- com.ofss.glm.ext.config
- com.ofss.glm.ext.module.ejb.setup
- com.ofss.glm.infra
- com.ofss.glm.module.ejb.batch
- com.ofss.glm.module.ejb.dashboard
- com.ofss.glm.module.ejb.eod
- com.ofss.glm.module.ejb.fc
- com.ofss.glm.module.ejb.fileupload
- com.ofss.glm.module.ejb.flexcube
- com.ofss.glm.module.ejb.liquiditygrp
- com.ofss.glm.module.ejb.pool
- com.ofss.glm.module.ejb.reports
- com.ofss.glm.module.ejb.setup
- com.ofss.glm.module.ejb.simulation
- com.ofss.glm.module.ejb.SMS
- com.ofss.glm.module.ejb.structuremanagement
- com.ofss.glm.module.ejb.sweep

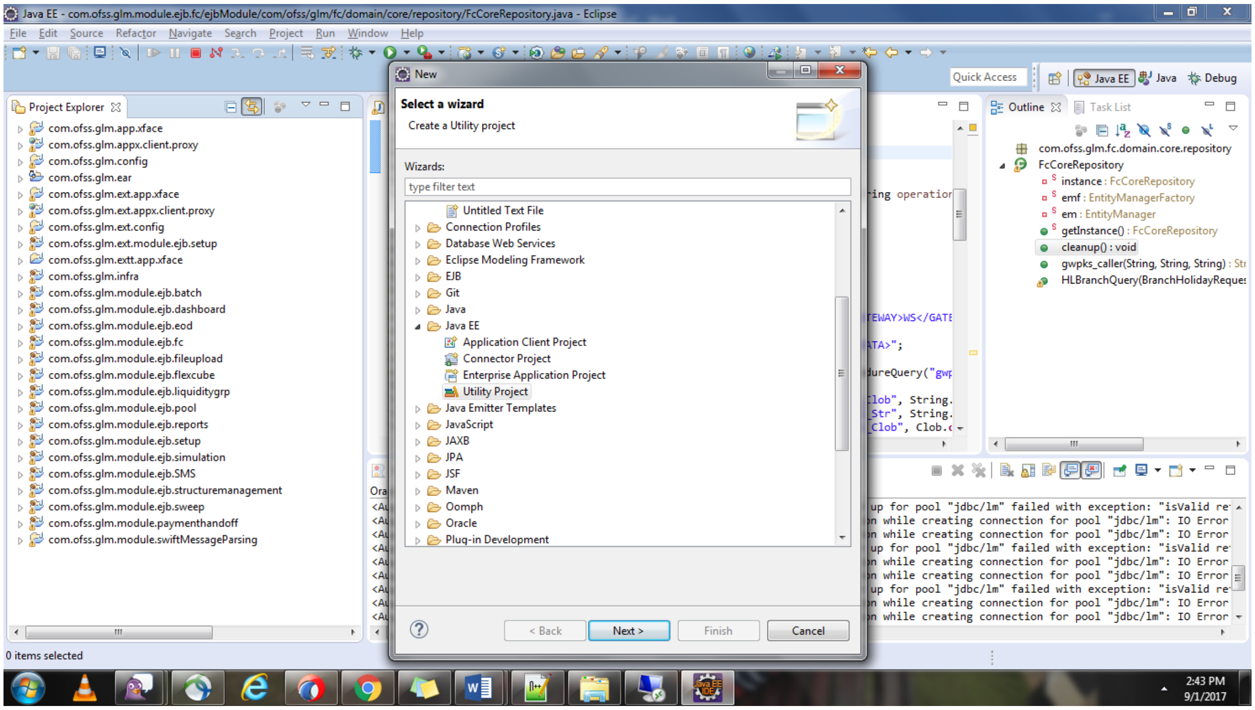
- com.ofss.glm.ext.app.setup.dto.branch
- BranchSetupDTOExt
  - serialVersionUID : long
  - hold : boolean
  - isHold() : boolean
  - setHold(boolean) : void

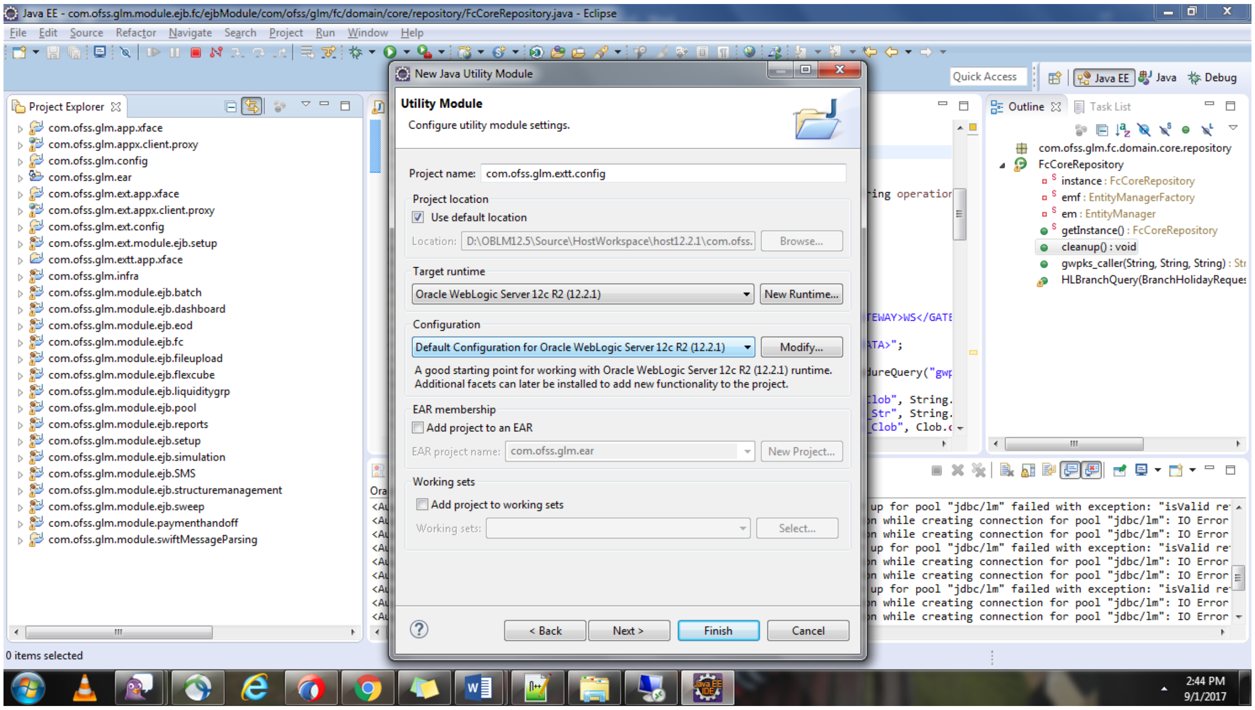
```
An internal error occurred during: "Loading desc    org.eclipse.core.jobs      9/1/17, 3:07 PM
An internal error occurred during: "Loading desc    org.eclipse.core.jobs      9/1/17, 3:07 PM
An internal error occurred during: "Loading desc    org.eclipse.core.jobs      9/1/17, 3:07 PM
com.ofss.glm.ear deployed successfully.             oracle.eclipse.tools.webl...  8/29/17, 6:28 PM
```


Java EE - com.ofss.glm.ext.app.xface/src/com/ofss/glm/ext/app/setup/dto/branch/BranchSetupDTOExt.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
BranchSetupDTOExt.java
Writable
Smart Insert
30 : 6
3:46 PM
9/1/2017

```
package com.ofss.glm.ext.app.setup.dto.branch;

import java.io.Serializable;□

@XmlRootElement
@XmlAccessorType(XmlAccessType.NONE)
public class BranchSetupDTOExt  extends BranchSetupDTO implements Serializable {

    /**
     *
     */
    private static final long serialVersionUID = 1L;

    private boolean hold;

    @XmlElement
    public boolean isHold() {
        return hold;
    }

    public void setHold(boolean hold) {
        this.hold = hold;
    }
}
```

4 Create Config Extension Project


Java EE - com.ofss.glm.module.ejb.fc/ejbModule/com/ofss/glm/fc/domain/core/repository/FcCoreRepository.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.extt.app.xface
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
0 items selected
New
Select a wizard
Create a Utility project
Wizards:
type filter text
Untitled Text File
Connection Profiles
Database Web Services
Eclipse Modeling Framework
EJB
Git
Java
Java EE
Application Client Project
Connector Project
Enterprise Application Project
Utility Project
Java Emitter Templates
JavaScript
JAXB
JPA
JSF
Maven
Oomph
Oracle
Plug-in Development
< Back
Next >
Finish
Cancel
Outline
Task List
com.ofss.glm.fc.domain.core.repository
FcCoreRepository
instance : FcCoreRepository
emf : EntityManagerFactory
em : EntityManager
getInstance() : FcCoreRepository
cleanup() : void
gwpks_caller(String, String, String) : Str
HLBranchQuery(BranchHolidayReque
Quick Access
Java EE
Java
Debug
2:43 PM
9/1/2017


Java EE - com.ofss.glm.module.ejb.fc/ejbModule/com/ofss/glm/fc/domain/core/repository/FcCoreRepository.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.extt.app.xface
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
0 items selected
Quick Access
Java EE
Java
Debug
Outline
Task List
com.ofss.glm.fc.domain.core.repository
FcCoreRepository
instance : FcCoreRepository
emf : EntityManagerFactory
em : EntityManager
getInstance() : FcCoreRepository
cleanup() : void
gwpks_caller(String, String, String) : Str
HLBranchQuery(BranchHolidayReque
2:44 PM
9/1/2017

New Java Utility Module

Utility Module

Configure utility module settings.

Project name: com.ofss.glm.extt.config

Project location

☑ Use default location

Location: D:\OBLM12.5\Source\HostWorkspace\host12.2.1\com.ofss. Browse...

Target runtime

Oracle WebLogic Server 12c R2 (12.2.1) New Runtime...

Configuration

Default Configuration for Oracle WebLogic Server 12c R2 (12.2.1) Modify...

A good starting point for working with Oracle WebLogic Server 12c R2 (12.2.1) runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership

☐ Add project to an EAR

EAR project name: com.ofss.glm.ear New Project...

Working sets

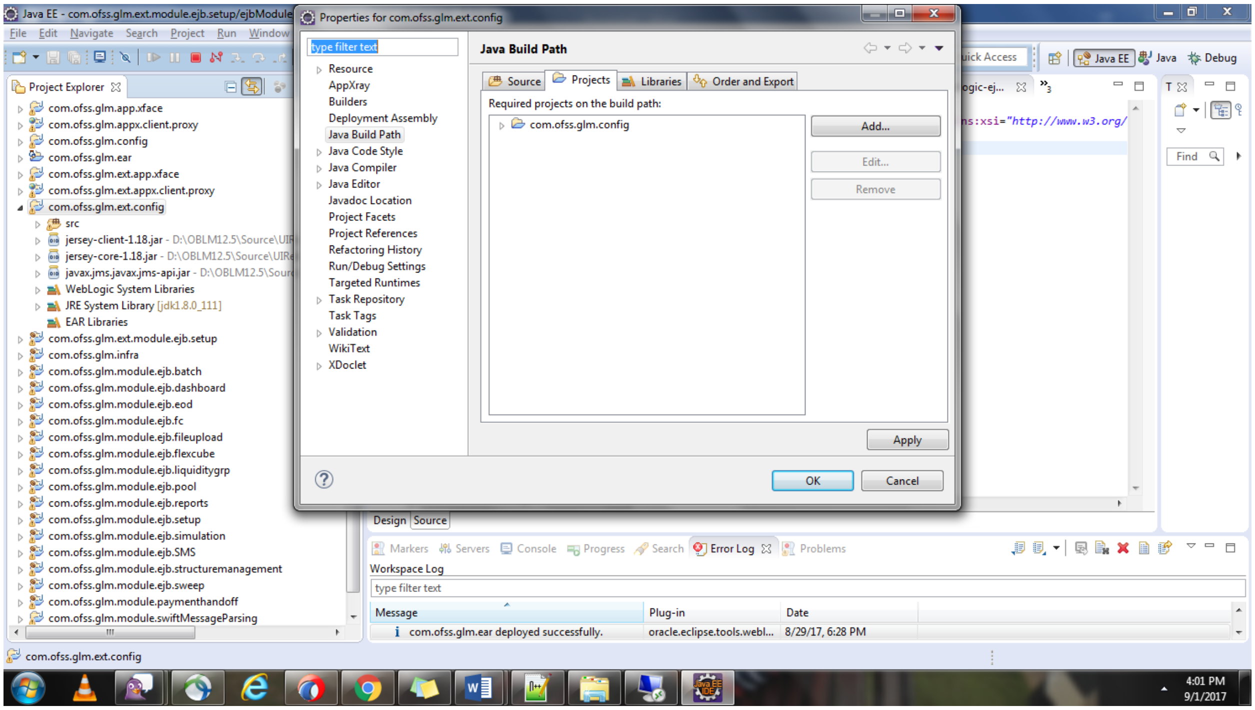
☐ Add project to working sets

Working sets: Select...

< Back Next > Finish Cancel

```
up for pool "jdbc/lm" failed with exception: "isValid re
n while creating connection for pool "jdbc/lm": IO Error
n while creating connection for pool "jdbc/lm": IO Error
up for pool "jdbc/lm" failed with exception: "isValid re
n while creating connection for pool "jdbc/lm": IO Error
n while creating connection for pool "jdbc/lm": IO Error
up for pool "jdbc/lm" failed with exception: "isValid re
n while creating connection for pool "jdbc/lm": IO Error
n while creating connection for pool "jdbc/lm": IO Error
```

5 Add the existing Config Project as Dependency for the created extension Project


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule
File Edit Navigate Search Project Run Window
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
src
jersey-client-1.18.jar - D:\OBLM12.5\Source\UIF
jersey-core-1.18.jar - D:\OBLM12.5\Source\UIF
javax.jms.javax.jms-api.jar - D:\OBLM12.5\Sour
WebLogic System Libraries
JRE System Library [jdk1.8.0_111]
EAR Libraries
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
com.ofss.glm.ext.config
Quick Access
Java EE
Java
Debug
Design Source
Markers Servers Console Progress Search Error Log Problems
Workspace Log
type filter text
4:01 PM
9/1/2017

Properties for com.ofss.glm.ext.config

type filter text

Resource
AppXray
Builders
Deployment Assembly
Java Build Path
Java Code Style
Java Compiler
Java Editor
Javadoc Location
Project Facets
Project References
Refactoring History
Run/Debug Settings
Targeted Runtimes
Task Repository
Task Tags
Validation
WikiText
XDoclet

Java Build Path

Source | Projects | Libraries | Order and Export

Required projects on the build path:

com.ofss.glm.config

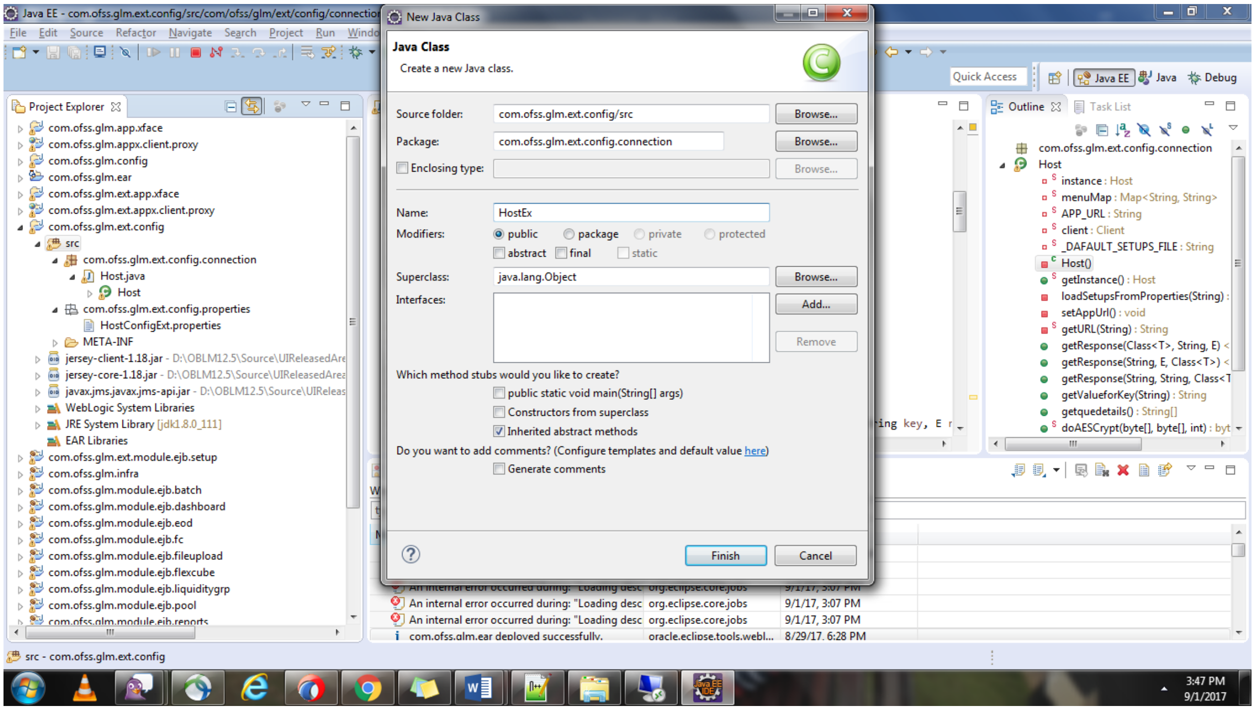
Add... Edit... Remove

Apply

OK Cancel

Message	Plug-in	Date
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM

6 Create Host.java File in Java and HostConfigExt.Properties File.


Java EE - com.ofss.glm.ext.config/src/com/ofss/glm/ext/config/connectio
File Edit Source Refactor Navigate Search Project Run Windo
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
src
com.ofss.glm.ext.config.connection
Host.java
Host
com.ofss.glm.ext.config.properties
HostConfigExt.properties
META-INF
jersey-client-1.18.jar - D:\OBLM12.5\Source\UIReleasedAre
jersey-core-1.18.jar - D:\OBLM12.5\Source\UIReleasedAre
javax.jms.javax.jms-api.jar - D:\OBLM12.5\Source\UIReleas
WebLogic System Libraries
JRE System Library [jdk1.8.0_111]
EAR Libraries
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
Quick Access
Java EE
Java
Debug
Outline
Task List
com.ofss.glm.ext.config.connection
Host
instance : Host
menuMap : Map<String, String>
APP_URL : String
client : Client
_DAFAULT_SETUPS_FILE : String
Host()
getInstance() : Host
loadSetupsFromProperties(String) :
setAppUrl() : void
getURL(String) : String
getResponse(Class<T>, String, E) <
getResponse(String, E, Class<T>) <
getResponse(String, String, Class<T
getValueforKey(String) : String
getquedetails() : String[]
doAESCrypt(byte[], byte[], int) : byt
src - com.ofss.glm.ext.config
3:47 PM
9/1/2017

New Java Class

Java Class

Create a new Java class.

Source folder: com.ofss.glm.ext.config/src [Browse...]

Package: com.ofss.glm.ext.config.connection [Browse...]

□ Enclosing type: [Browse...]

Name: HostEx

Modifiers: ● public ○ package ○ private ○ protected

□ abstract □ final □ static

Superclass: java.lang.Object [Browse...]

Interfaces: [Add...] [Remove]

Which method stubs would you like to create?

□ public static void main(String[] args)

□ Constructors from superclass

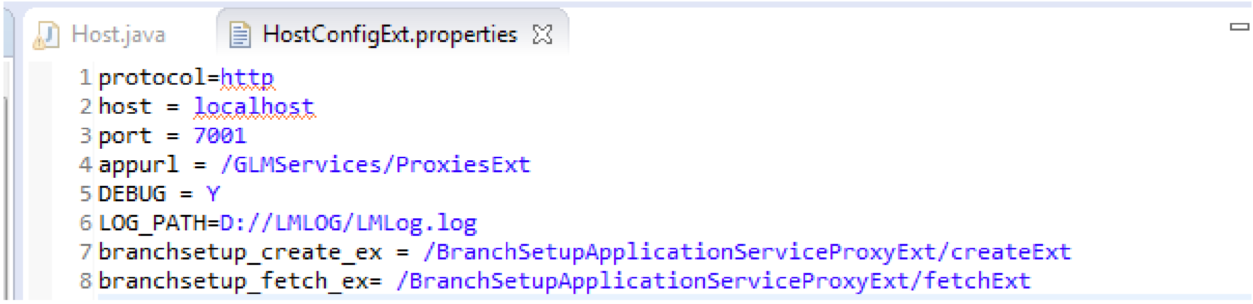
☑ Inherited abstract methods

Do you want to add comments? (Configure templates and default value here)

□ Generate comments

[Finish] [Cancel]

```
An internal error occurred during: "Loading desc   org.eclipse.core.jobs            9/1/17, 3:07 PM
An internal error occurred during: "Loading desc   org.eclipse.core.jobs            9/1/17, 3:07 PM
An internal error occurred during: "Loading desc   org.eclipse.core.jobs            9/1/17, 3:07 PM
com.ofss.glm.ear deployed successfully.            oracle.eclipse.tools.webl...     8/29/17, 6:28 PM
```

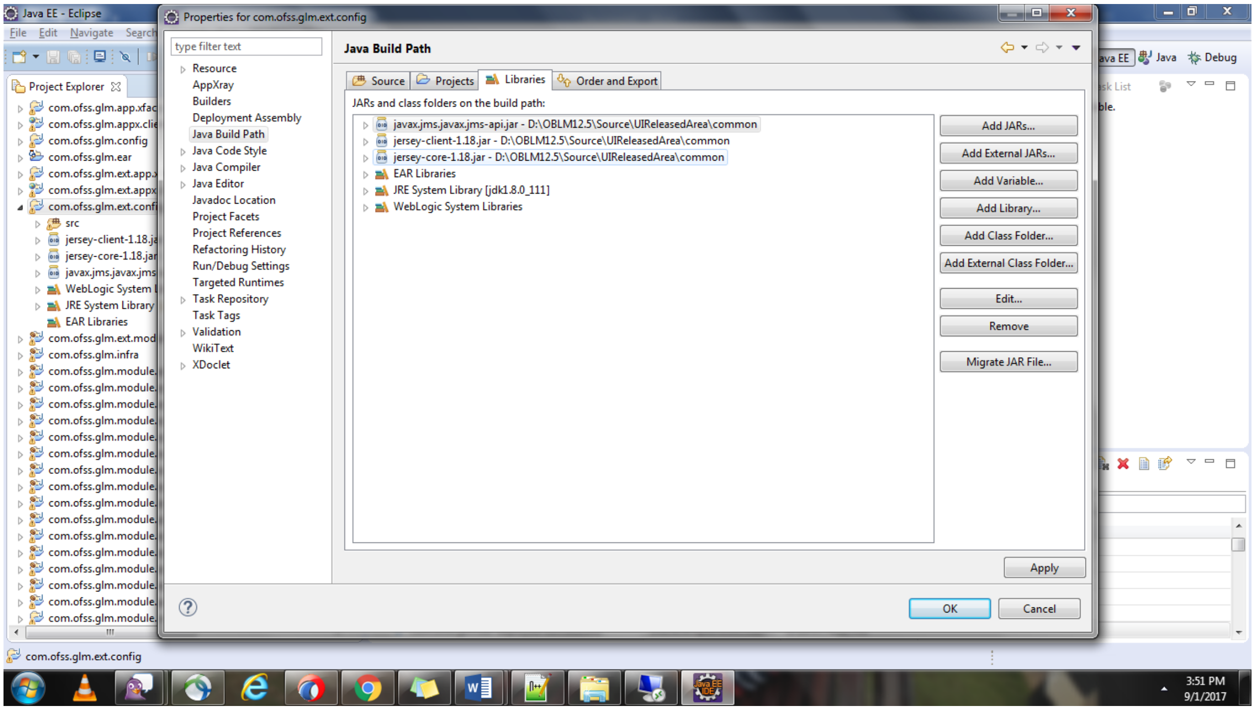


```
protocol=http
host = localhost
port = 7001
appurl = /GLMServices/ProxiesExt
DEBUG = Y
LOG_PATH=D://LMLOG/LMLog.log
branchsetup_create_ex = /BranchSetupApplicationServiceProxyExt/createExt
branchsetup_fetch_ex= /BranchSetupApplicationServiceProxyExt/fetchExt
```

7 Copy and paste the code from Existing Host File and Replace **Default Setups File** properties file.

```
private static Map<String, String> menuMap = new HashMap<String, String>();
private static String APP_URL = "";
private static Client client = Client.create();
private static String _DAFAULT_SETUPS_FILE = "/com/ofss/glm/ext/config/properties/HostConfigExt.properties";
```

8 Add required common library files in Config Project.



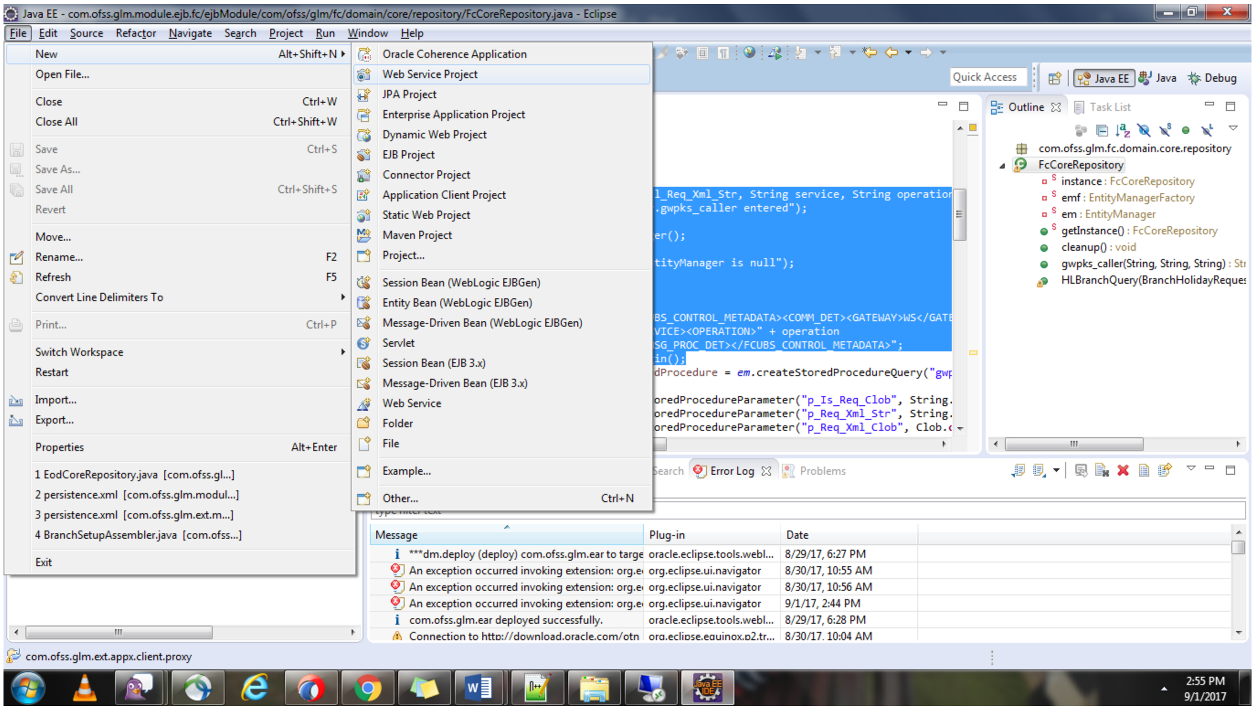
Properties for com.ofss.glm.ext.config

Java Build Path

JARs and class folders on the build path:

- javax.jms.javax.jms-api.jar - D:\OBLM12.5\Source\UIReleasedArea\common
- jersey-client-1.18.jar - D:\OBLM12.5\Source\UIReleasedArea\common
- jersey-core-1.18.jar - D:\OBLM12.5\Source\UIReleasedArea\common
- EAR Libraries
- JRE System Library [jdk1.8.0_111]
- WebLogic System Libraries

9 Create a new Web service Project for proxy project extension.

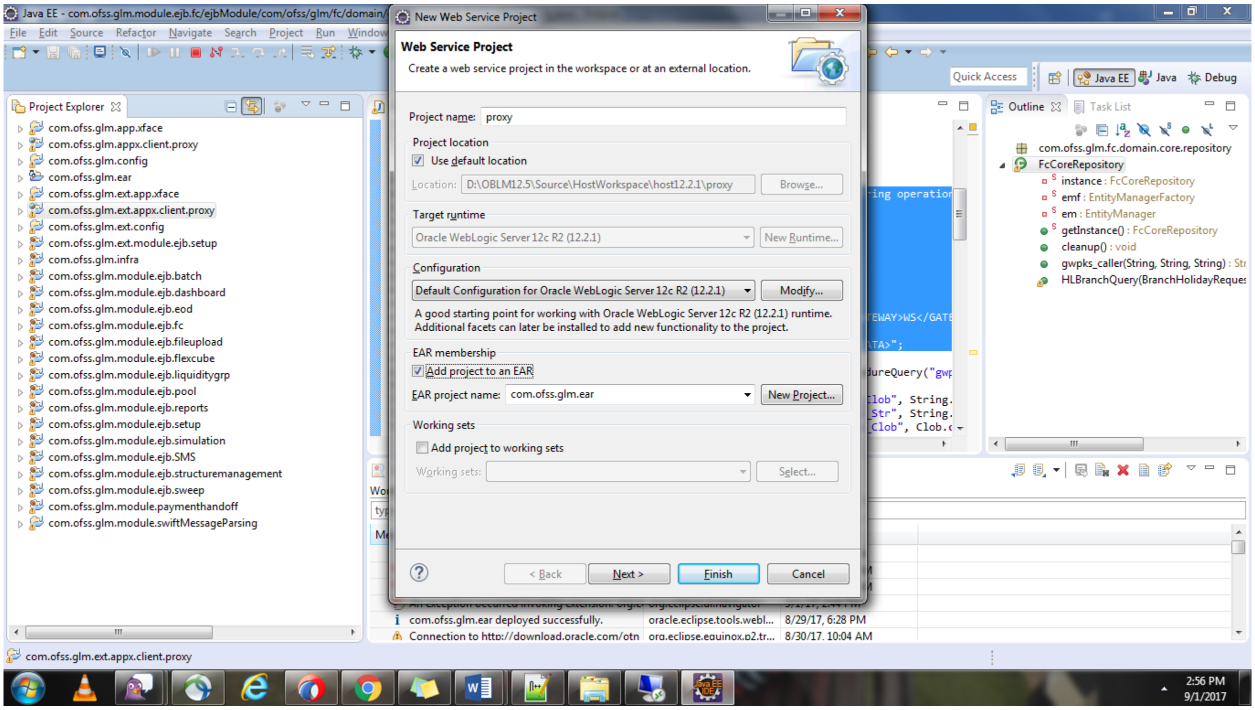


Java EE - com.ofss.glm.module.ejb.fc/ejbModule/com/ofss/glm/fc/domain/core/repository/FcCoreRepository.java - Eclipse

```
l_Req_Xml_Str, String service, String operatior
.gwpks_caller entered");

er();

tityManager is null");

BS_CONTROL_METADATA><COMM_DET><GATEWAY>WS</GATE
VICE><OPERATION>" + operation
SG_PROC_DET></FCUBS_CONTROL_METADATA>";
in();
dProcedure = em.createStoredProcedureQuery("gwp

oredProcedureParameter("p_Is_Req_Clob", String.
oredProcedureParameter("p_Req_Xml_Str", String.
oredProcedureParameter("p_Req_Xml_Clob", Clob.c
```

Message	Plug-in	Date
***dm.deploy (deploy) com.ofss.glm.ear to targe	oracle.eclipse.tools.webl...	8/29/17, 6:27 PM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:55 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:56 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	9/1/17, 2:44 PM
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM
Connection to http://download.oracle.com/otn	org.eclipse.equinox.p2.tr...	8/30/17, 10:04 AM

File Edit Source Refactor Navigate Search Project Run Window Help
New Alt+Shift+N
Open File...
Close Ctrl+W
Close All Ctrl+Shift+W
Save Ctrl+S
Save As...
Save All Ctrl+Shift+S
Revert
Move...
Rename... F2
Refresh F5
Convert Line Delimiters To
Print... Ctrl+P
Switch Workspace
Restart
Import...
Export...
Properties Alt+Enter
1 EodCoreRepository.java [com.ofss.gl...]
2 persistence.xml [com.ofss.glm.modul...]
3 persistence.xml [com.ofss.glm.ext.m...]
4 BranchSetupAssembler.java [com.ofss...]
Exit
Oracle Coherence Application
Web Service Project
JPA Project
Enterprise Application Project
Dynamic Web Project
EJB Project
Connector Project
Application Client Project
Static Web Project
Maven Project
Project...
Session Bean (WebLogic EJBGen)
Entity Bean (WebLogic EJBGen)
Message-Driven Bean (WebLogic EJBGen)
Servlet
Session Bean (EJB 3.x)
Message-Driven Bean (EJB 3.x)
Web Service
Folder
File
Example...
Other... Ctrl+N
Quick Access
Java EE
Java
Debug
Outline
Task List
com.ofss.glm.fc.domain.core.repository
FcCoreRepository
instance : FcCoreRepository
emf : EntityManagerFactory
em : EntityManager
getInstance() : FcCoreRepository
cleanup() : void
gwpks_caller(String, String, String) : Str
HLBranchQuery(BranchHolidayReques
Search
Error Log
Problems
com.ofss.glm.ext.appx.client.proxy
2:55 PM
9/1/2017



New Web Service Project

Web Service Project

Create a web service project in the workspace or at an external location.

Project name: proxy

Project location

☑ Use default location

Location: D:\OBLM12.5\Source\HostWorkspace\host12.2.1\proxy

Target runtime

Oracle WebLogic Server 12c R2 (12.2.1)

Configuration

Default Configuration for Oracle WebLogic Server 12c R2 (12.2.1)

A good starting point for working with Oracle WebLogic Server 12c R2 (12.2.1) runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership

☑ Add project to an EAR

EAR project name: com.ofss.glm.ear

Working sets

□ Add project to working sets

Working sets:

Project Explorer

- com.ofss.glm.app.xface
- com.ofss.glm.appx.client.proxy
- com.ofss.glm.config
- com.ofss.glm.ear
- com.ofss.glm.ext.app.xface
- com.ofss.glm.ext.appx.client.proxy
- com.ofss.glm.ext.config
- com.ofss.glm.ext.module.ejb.setup
- com.ofss.glm.infra
- com.ofss.glm.module.ejb.batch
- com.ofss.glm.module.ejb.dashboard
- com.ofss.glm.module.ejb.eod
- com.ofss.glm.module.ejb.fc
- com.ofss.glm.module.ejb.fileupload
- com.ofss.glm.module.ejb.flexcube
- com.ofss.glm.module.ejb.liquiditygrp
- com.ofss.glm.module.ejb.pool
- com.ofss.glm.module.ejb.reports
- com.ofss.glm.module.ejb.setup
- com.ofss.glm.module.ejb.simulation
- com.ofss.glm.module.ejb.SMS
- com.ofss.glm.module.ejb.structuremanagement
- com.ofss.glm.module.ejb.sweep
- com.ofss.glm.module.paymenthandoff
- com.ofss.glm.module.swiftMessageParsing

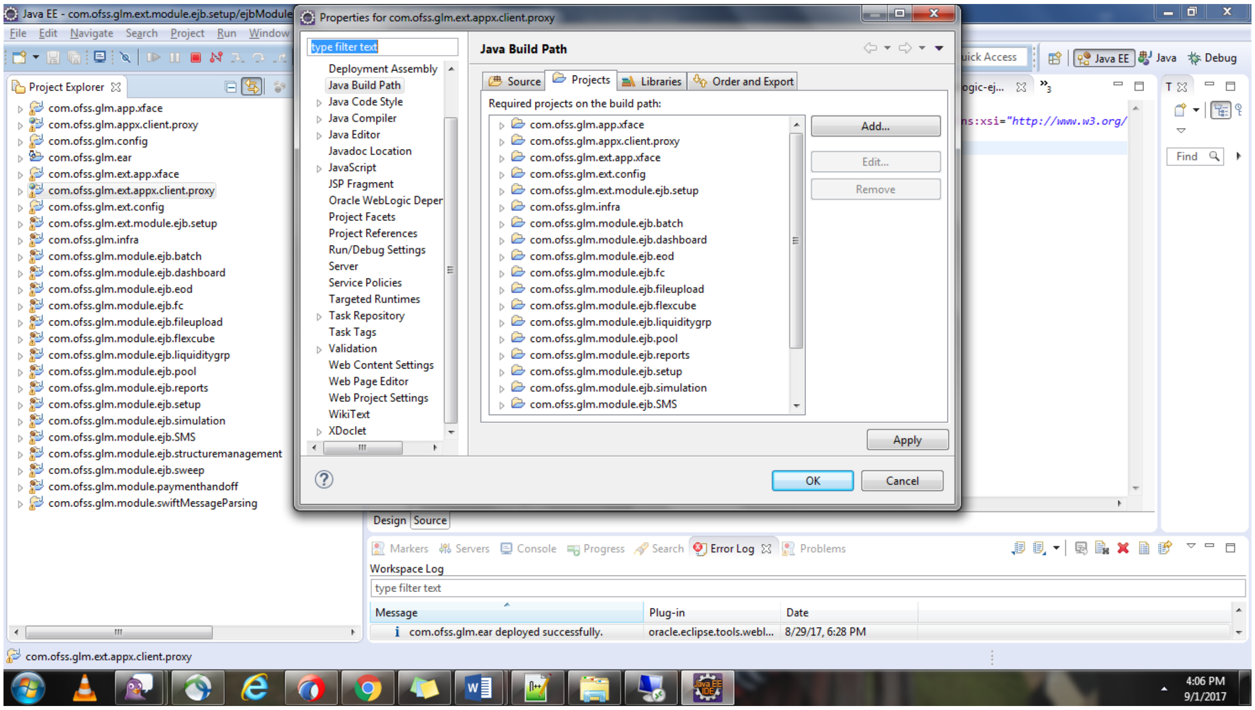
Outline

- com.ofss.glm.fc.domain.core.repository
- FcCoreRepository
  - instance : FcCoreRepository
  - emf : EntityManagerFactory
  - em : EntityManager
  - getInstance() : FcCoreRepository
  - cleanup() : void
  - gwpks_caller(String, String, String) : Str
  - HLBranchQuery(BranchHolidayReques

```
com.ofss.glm.ear deployed successfully.    oracle.eclipse.tools.webl...    8/29/17, 6:28 PM
Connection to http://download.oracle.com/otn    org.eclipse.equinox.p2.tr...    8/30/17, 10:04 AM
```

com.ofss.glm.ext.appx.client.proxy

10 Add the required projects



Properties for com.ofss.glm.ext.appx.client.proxy

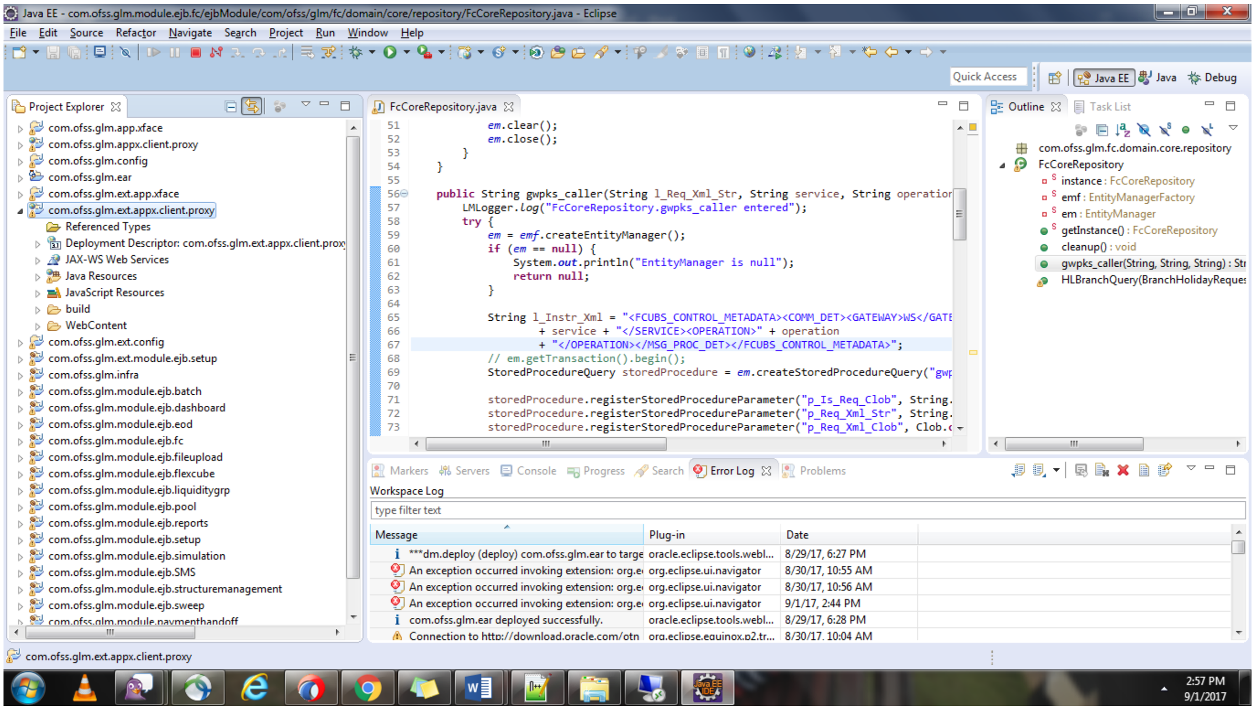
Java Build Path

Required projects on the build path:

- com.ofss.glm.app.xface
- com.ofss.glm.appx.client.proxy
- com.ofss.glm.ext.app.xface
- com.ofss.glm.ext.config
- com.ofss.glm.ext.module.ejb.setup
- com.ofss.glm.infra
- com.ofss.glm.module.ejb.batch
- com.ofss.glm.module.ejb.dashboard
- com.ofss.glm.module.ejb.eod
- com.ofss.glm.module.ejb.fc
- com.ofss.glm.module.ejb.fileupload
- com.ofss.glm.module.ejb.flexcube
- com.ofss.glm.module.ejb.liquiditygrp
- com.ofss.glm.module.ejb.pool
- com.ofss.glm.module.ejb.reports
- com.ofss.glm.module.ejb.setup
- com.ofss.glm.module.ejb.simulation
- com.ofss.glm.module.ejb.SMS

```
Workspace Log
Message                                     Plug-in                         Date
com.ofss.glm.ear deployed successfully.    oracle.eclipse.tools.webl...    8/29/17, 6:28 PM
```

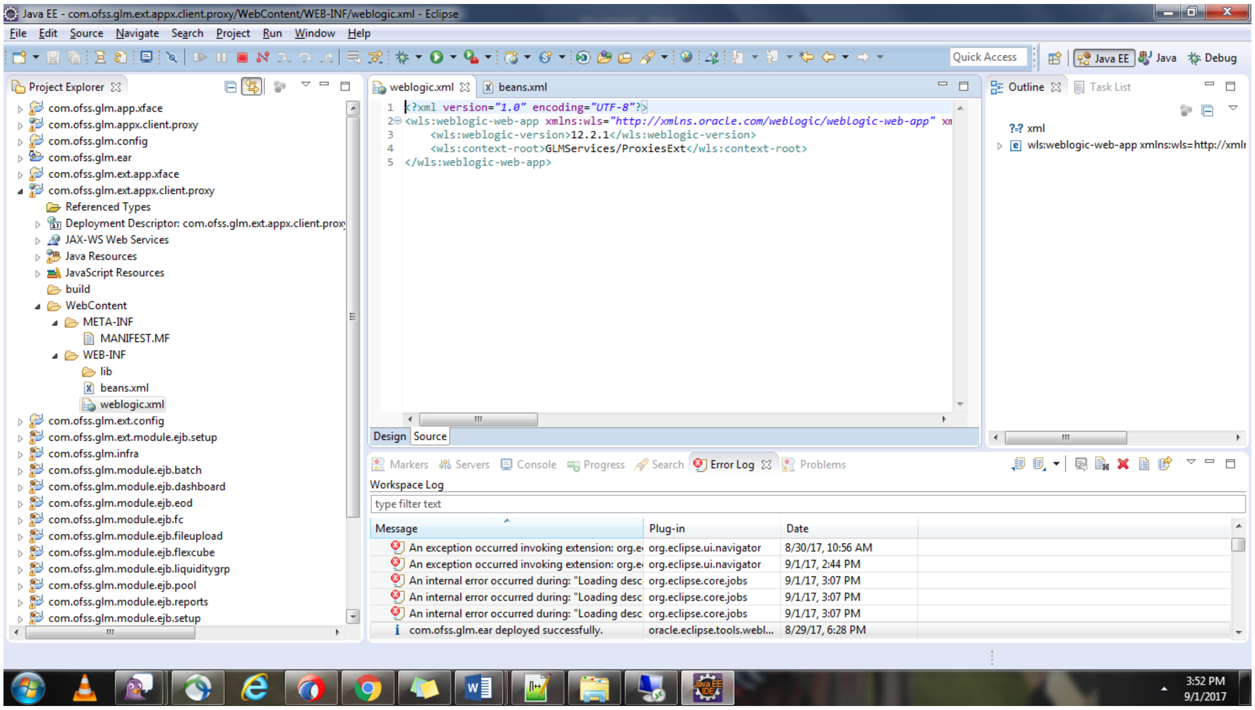
com.ofss.glm.ext.appx.client.proxy


Java EE - com.ofss.glm.module.ejb.fc/ejbModule/com/ofss/glm/fc/domain/core/repository/FcCoreRepository.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
Referenced Types
Deployment Descriptor: com.ofss.glm.ext.appx.client.proxy
JAX-WS Web Services
Java Resources
JavaScript Resources
build
WebContent
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
FcCoreRepository.java
Outline
Task List
com.ofss.glm.fc.domain.core.repository
FcCoreRepository
instance : FcCoreRepository
emf : EntityManagerFactory
em : EntityManager
getInstance() : FcCoreRepository
cleanup() : void
gwpks_caller(String, String, String) : Str
HLBranchQuery(BranchHolidayReque
Markers
Servers
Console
Progress
Search
Error Log
Problems
Workspace Log
type filter text
com.ofss.glm.ext.appx.client.proxy
2:57 PM
9/1/2017

```
            em.clear();
            em.close();
        }
    }

    public String gwpks_caller(String l_Req_Xml_Str, String service, String operatior
        LMLogger.log("FcCoreRepository.gwpks_caller entered");
        try {
            em = emf.createEntityManager();
            if (em == null) {
                System.out.println("EntityManager is null");
                return null;
            }

            String l_Instr_Xml = "<FCUBS_CONTROL_METADATA><COMM_DET><GATEWAY>WS</GATE
                    + service + "</SERVICE><OPERATION>" + operation
                    + "</OPERATION></MSG_PROC_DET></FCUBS_CONTROL_METADATA>";
            // em.getTransaction().begin();
            StoredProcedureQuery storedProcedure = em.createStoredProcedureQuery("gwp

            storedProcedure.registerStoredProcedureParameter("p_Is_Req_Clob", String.
            storedProcedure.registerStoredProcedureParameter("p_Req_Xml_Str", String.
            storedProcedure.registerStoredProcedureParameter("p_Req_Xml_Clob", Clob.c
```

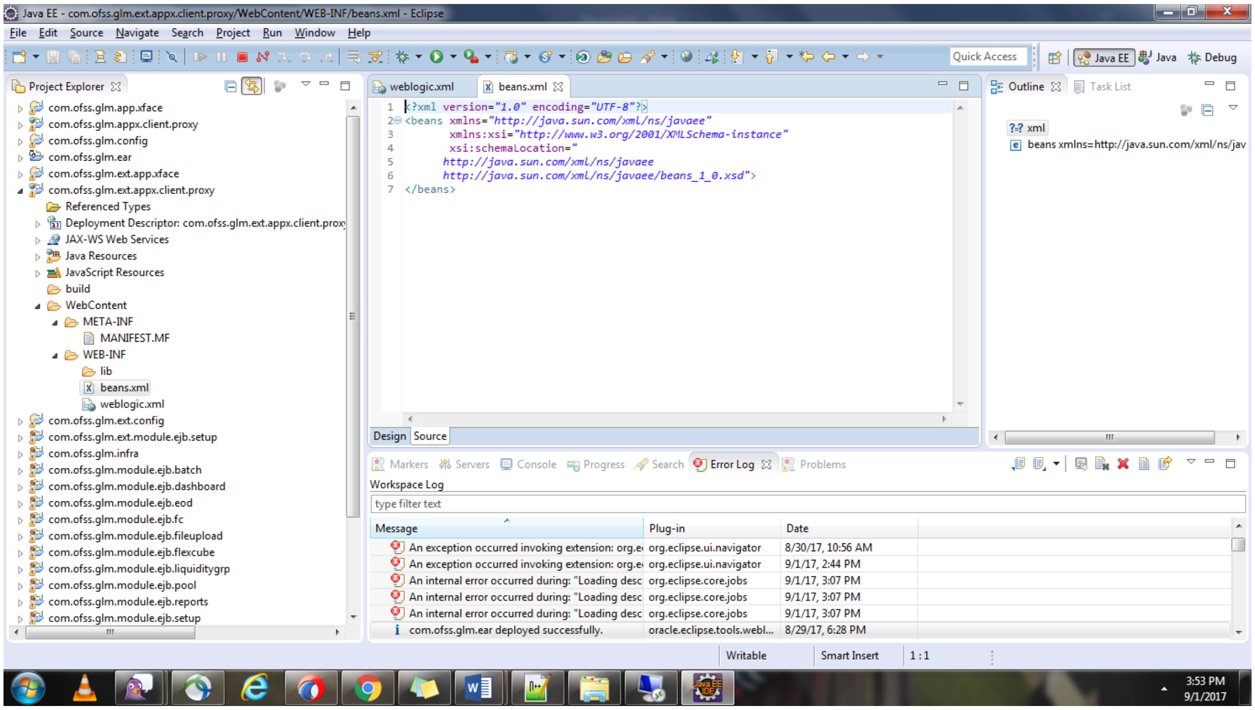
Message	Plug-in	Date
***dm.deploy (deploy) com.ofss.glm.ear to targe	oracle.eclipse.tools.webl...	8/29/17, 6:27 PM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:55 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:56 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	9/1/17, 2:44 PM
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM
Connection to http://download.oracle.com/otn	org.eclipse.equinox.p2.tr...	8/30/17, 10:04 AM

11 Add Weblogic.xml file with the context root.


Java EE - com.ofss.glm.ext.appx.client.proxy/WebContent/WEB-INF/weblogic.xml - Eclipse
File Edit Source Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
Referenced Types
Deployment Descriptor: com.ofss.glm.ext.appx.client.proxy
JAX-WS Web Services
Java Resources
JavaScript Resources
build
WebContent
META-INF
MANIFEST.MF
WEB-INF
lib
beans.xml
weblogic.xml
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
weblogic.xml
beans.xml
Design
Source
Outline
Task List
?-? xml
wls:weblogic-web-app xmlns:wls=http://xmlı
Markers
Servers
Console
Progress
Search
Error Log
Problems
Workspace Log
type filter text
3:52 PM
9/1/2017

```
<?xml version="1.0" encoding="UTF-8"?>
<wls:weblogic-web-app xmlns:wls="http://xmlns.oracle.com/weblogic/weblogic-web-app" xm
    <wls:weblogic-version>12.2.1</wls:weblogic-version>
    <wls:context-root>GLMServices/ProxiesExt</wls:context-root>
</wls:weblogic-web-app>
```

Message	Plug-in	Date
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:56 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	9/1/17, 2:44 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM



Java EE - com.ofss.glm.ext.appx.client.proxy/WebContent/WEB-INF/beans.xml - Eclipse

```xml
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://java.sun.com/xml/ns/javaee"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="
      http://java.sun.com/xml/ns/javaee
      http://java.sun.com/xml/ns/javaee/beans_1_0.xsd">
</beans>
```

Workspace Log

```
Message                                            Plug-in                         Date
An exception occurred invoking extension: org.e    org.eclipse.ui.navigator        8/30/17, 10:56 AM
An exception occurred invoking extension: org.e    org.eclipse.ui.navigator        9/1/17, 2:44 PM
An internal error occurred during: "Loading desc   org.eclipse.core.jobs           9/1/17, 3:07 PM
An internal error occurred during: "Loading desc   org.eclipse.core.jobs           9/1/17, 3:07 PM
An internal error occurred during: "Loading desc   org.eclipse.core.jobs           9/1/17, 3:07 PM
com.ofss.glm.ear deployed successfully.            oracle.eclipse.tools.webl...    8/29/17, 6:28 PM
```

File Edit Source Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
Referenced Types
Deployment Descriptor: com.ofss.glm.ext.appx.client.prox
JAX-WS Web Services
Java Resources
JavaScript Resources
build
WebContent
META-INF
MANIFEST.MF
WEB-INF
lib
beans.xml
weblogic.xml
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
weblogic.xml
beans.xml
Design
Source
Outline
Task List
?-? xml
beans xmlns=http://java.sun.com/xml/ns/jav
Markers
Servers
Console
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Search
Error Log
Problems
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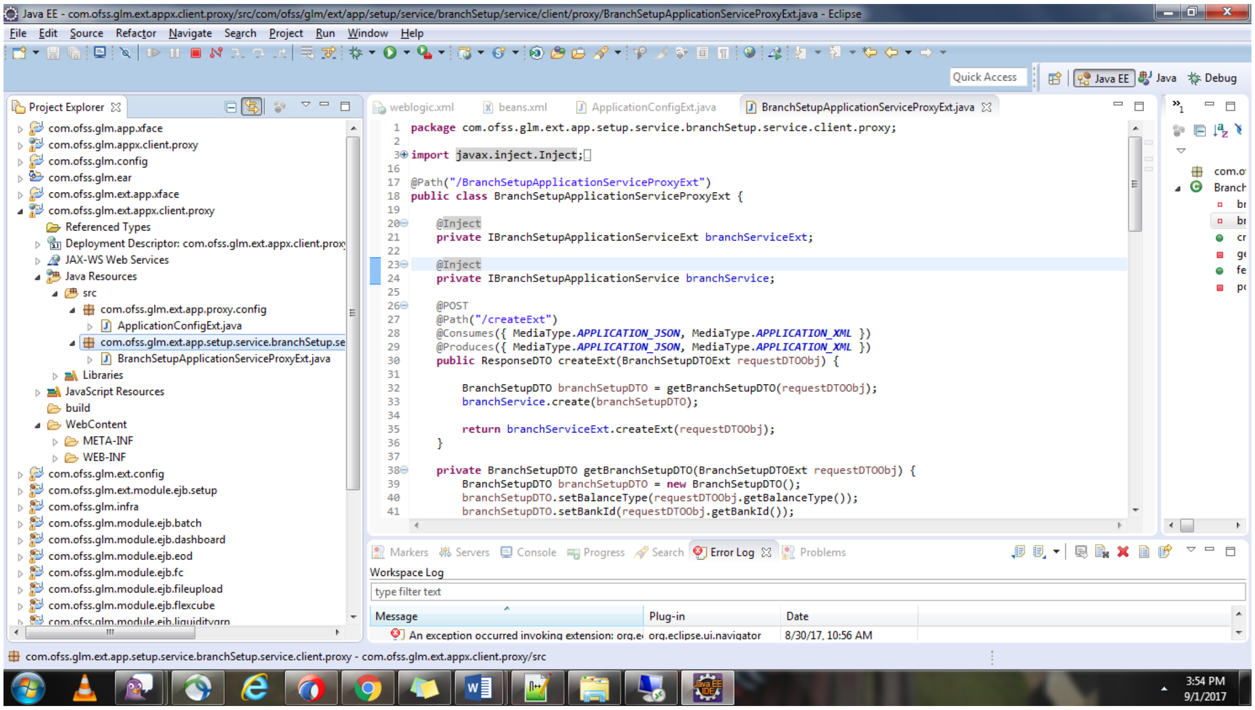
Writable
Smart Insert
1 : 1
3:53 PM
9/1/2017

12 Create Proxy Ext Class.



Java EE - com.ofss.glm.ext.appx.client.proxy/src/com/ofss/glm/ext/app/setup/service/branchSetup/service/client/proxy/BranchSetupApplicationServiceProxyExt.java - Eclipse

```java
package com.ofss.glm.ext.app.setup.service.branchSetup.service.client.proxy;

import javax.inject.Inject;

@Path("/BranchSetupApplicationServiceProxyExt")
public class BranchSetupApplicationServiceProxyExt {

    @Inject
    private IBranchSetupApplicationServiceExt branchServiceExt;

    @Inject
    private IBranchSetupApplicationService branchService;

    @POST
    @Path("/createExt")
    @Consumes({ MediaType.APPLICATION_JSON, MediaType.APPLICATION_XML })
    @Produces({ MediaType.APPLICATION_JSON, MediaType.APPLICATION_XML })
    public ResponseDTO createExt(BranchSetupDTOExt requestDTOObj) {

        BranchSetupDTO branchSetupDTO = getBranchSetupDTO(requestDTOObj);
        branchService.create(branchSetupDTO);

        return branchServiceExt.createExt(requestDTOObj);
    }

    private BranchSetupDTO getBranchSetupDTO(BranchSetupDTOExt requestDTOObj) {
        BranchSetupDTO branchSetupDTO = new BranchSetupDTO();
        branchSetupDTO.setBalanceType(requestDTOObj.getBalanceType());
        branchSetupDTO.setBankId(requestDTOObj.getBankId());
```

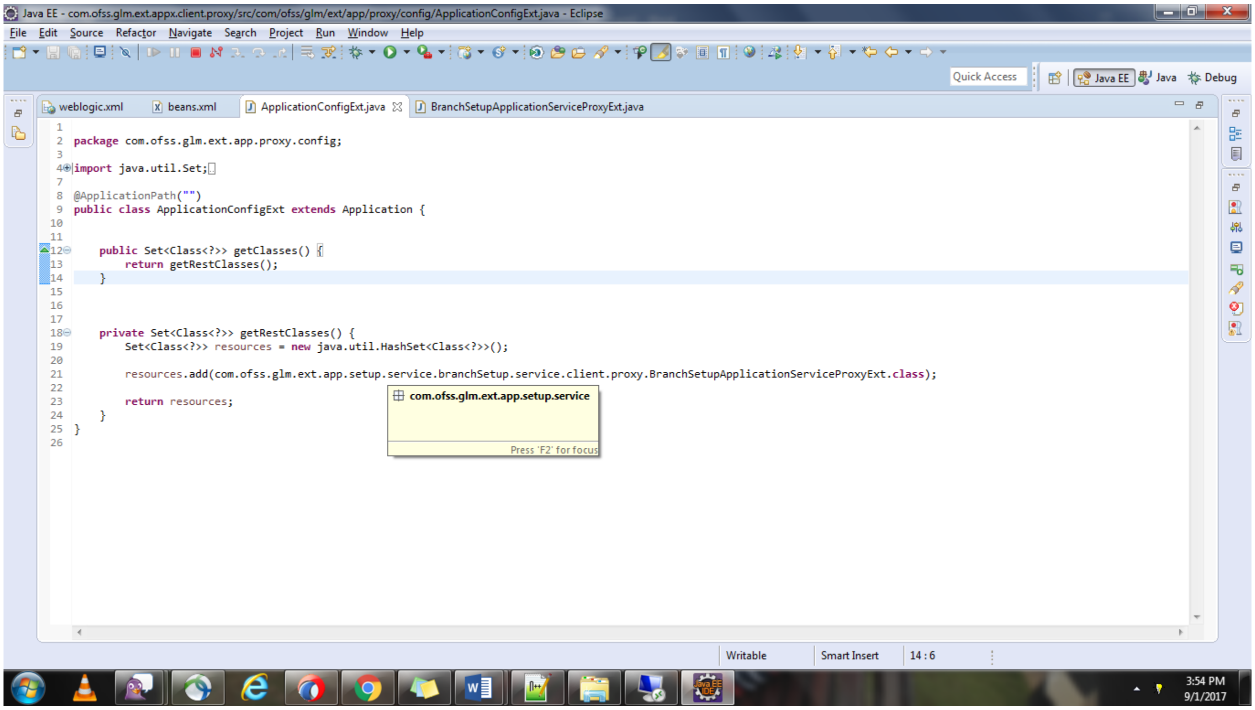
Workspace Log

```
Message                                            Plug-in                         Date
An exception occurred invoking extension: org.e    org.eclipse.ui.navigator        8/30/17, 10:56 AM
```

com.ofss.glm.ext.app.setup.service.branchSetup.service.client.proxy - com.ofss.glm.ext.appx.client.proxy/src

File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
weblogic.xml
beans.xml
ApplicationConfigExt.java
BranchSetupApplicationServiceProxyExt.java
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
Referenced Types
Deployment Descriptor: com.ofss.glm.ext.appx.client.prox
JAX-WS Web Services
Java Resources
src
com.ofss.glm.ext.app.proxy.config
ApplicationConfigExt.java
com.ofss.glm.ext.app.setup.service.branchSetup.se
BranchSetupApplicationServiceProxyExt.java
Libraries
JavaScript Resources
build
WebContent
META-INF
WEB-INF
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.o
Branch
Markers
Servers
Console
Progress
Search
Error Log
Problems
type filter text
3:54 PM
9/1/2017

13 Add the Proxy Ext which was created in ApplicationConfigExt.

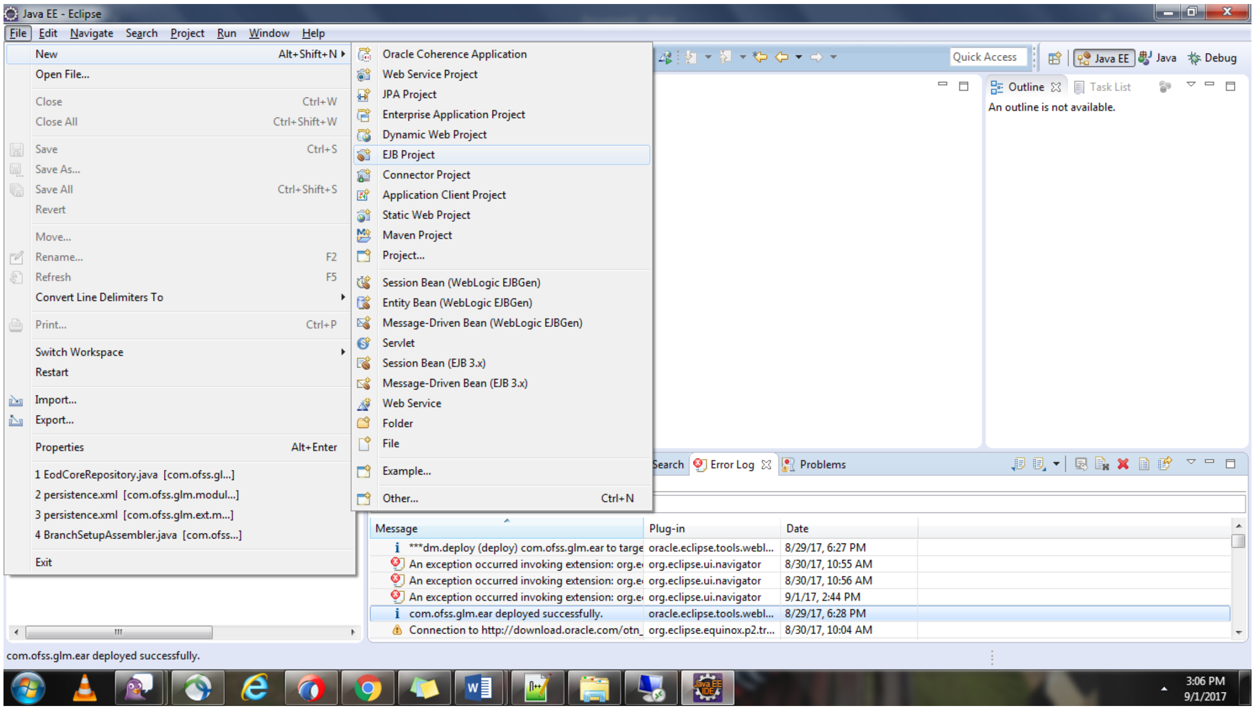


Java EE - com.ofss.glm.ext.appx.client.proxy/src/com/ofss/glm/ext/app/proxy/config/ApplicationConfigExt.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
weblogic.xml
beans.xml
ApplicationConfigExt.java
BranchSetupApplicationServiceProxyExt.java
com.ofss.glm.ext.app.setup.service
Press 'F2' for focus
Writable
Smart Insert
14 : 6
3:54 PM
9/1/2017

```
package com.ofss.glm.ext.app.proxy.config;

import java.util.Set;

@ApplicationPath("")
public class ApplicationConfigExt extends Application {


    public Set<Class<?>> getClasses() {
        return getRestClasses();
    }



    private Set<Class<?>> getRestClasses() {
        Set<Class<?>> resources = new java.util.HashSet<Class<?>>();

        resources.add(com.ofss.glm.ext.app.setup.service.branchSetup.service.client.proxy.BranchSetupApplicationServiceProxyExt.class);

        return resources;
    }
}
```

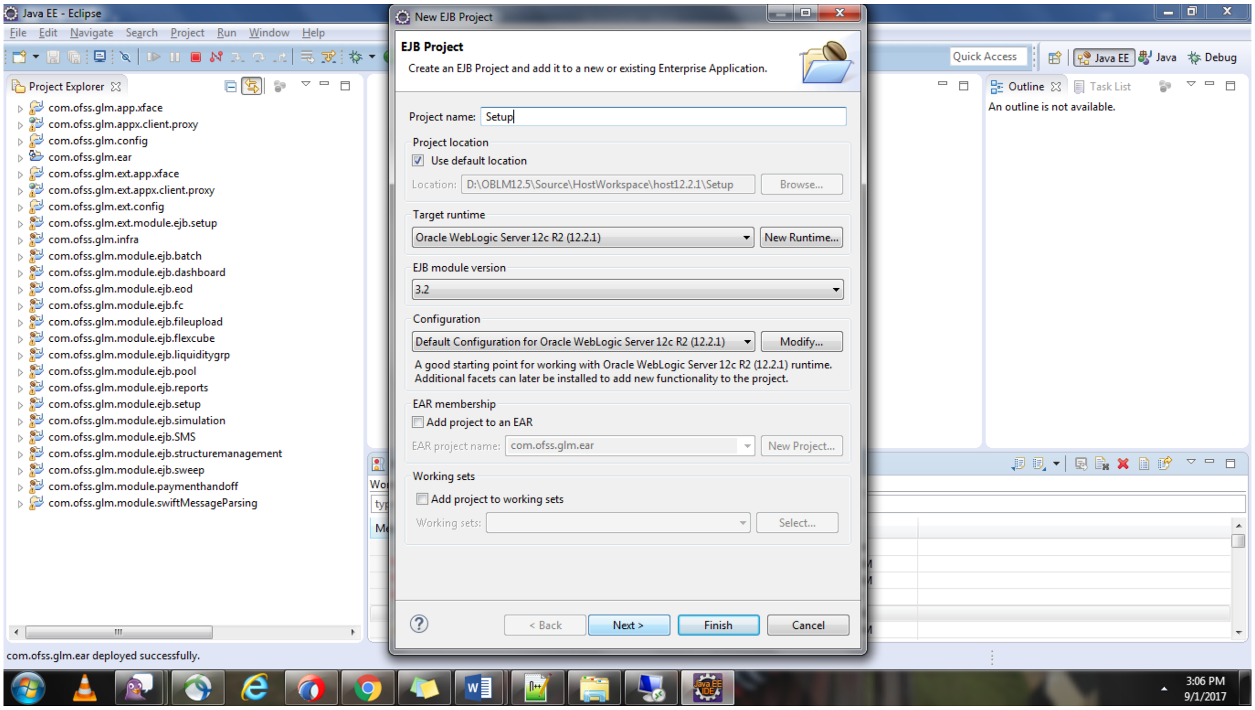
14 Extend the module on which screen we need to do changes.

15 Create an EJB Project.



Message	Plug-in	Date
***dm.deploy (deploy) com.ofss.glm.ear to targe	oracle.eclipse.tools.webl...	8/29/17, 6:27 PM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:55 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:56 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	9/1/17, 2:44 PM
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM
Connection to http://download.oracle.com/otn_	org.eclipse.equinox.p2.tr...	8/30/17, 10:04 AM

com.ofss.glm.ear deployed successfully.


Java EE - Eclipse
File Edit Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
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com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
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com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
Quick Access
Java EE
Java
Debug
Outline
Task List
An outline is not available.
3:06 PM
9/1/2017

New EJB Project

EJB Project

Create an EJB Project and add it to a new or existing Enterprise Application.

Project name: Setup

Project location

☑ Use default location

Location: D:\OBLM12.5\Source\HostWorkspace\host12.2.1\Setup Browse...

Target runtime

Oracle WebLogic Server 12c R2 (12.2.1) New Runtime...

EJB module version

3.2

Configuration

Default Configuration for Oracle WebLogic Server 12c R2 (12.2.1) Modify...

A good starting point for working with Oracle WebLogic Server 12c R2 (12.2.1) runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership

☐ Add project to an EAR

EAR project name: com.ofss.glm.ear New Project...

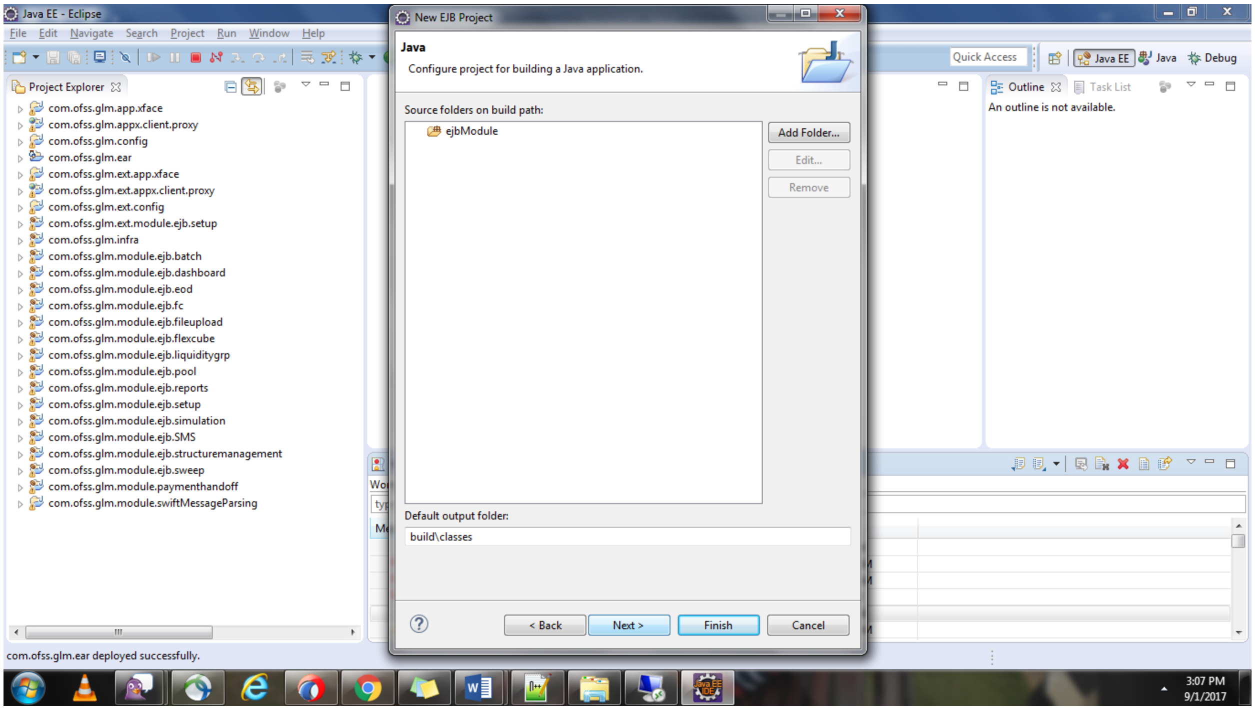
Working sets

☐ Add project to working sets

Working sets: Select...

< Back Next > Finish Cancel

com.ofss.glm.ear deployed successfully.


Java EE - Eclipse
File Edit Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
Quick Access
Java EE
Java
Debug
Outline
Task List
An outline is not available.
3:07 PM
9/1/2017

New EJB Project

Java

Configure project for building a Java application.

Source folders on build path:

ejbModule

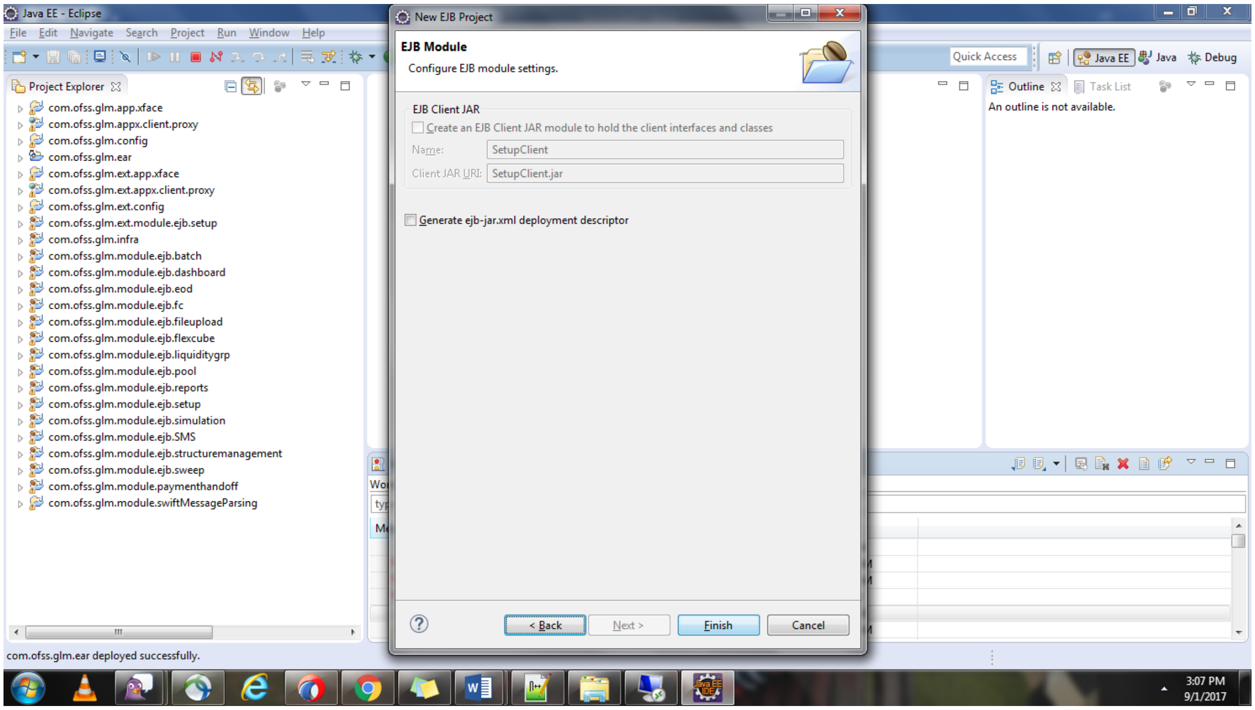
Add Folder... Edit... Remove

Default output folder:

build\classes

< Back Next > Finish Cancel

com.ofss.glm.ear deployed successfully.



Java EE - Eclipse

New EJB Project

EJB Module

Configure EJB module settings.

EJB Client JAR

□ Create an EJB Client JAR module to hold the client interfaces and classes

Name: SetupClient

Client JAR URI: SetupClient.jar

□ Generate ejb-jar.xml deployment descriptor

File Edit Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
Outline
Task List
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com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
< Back
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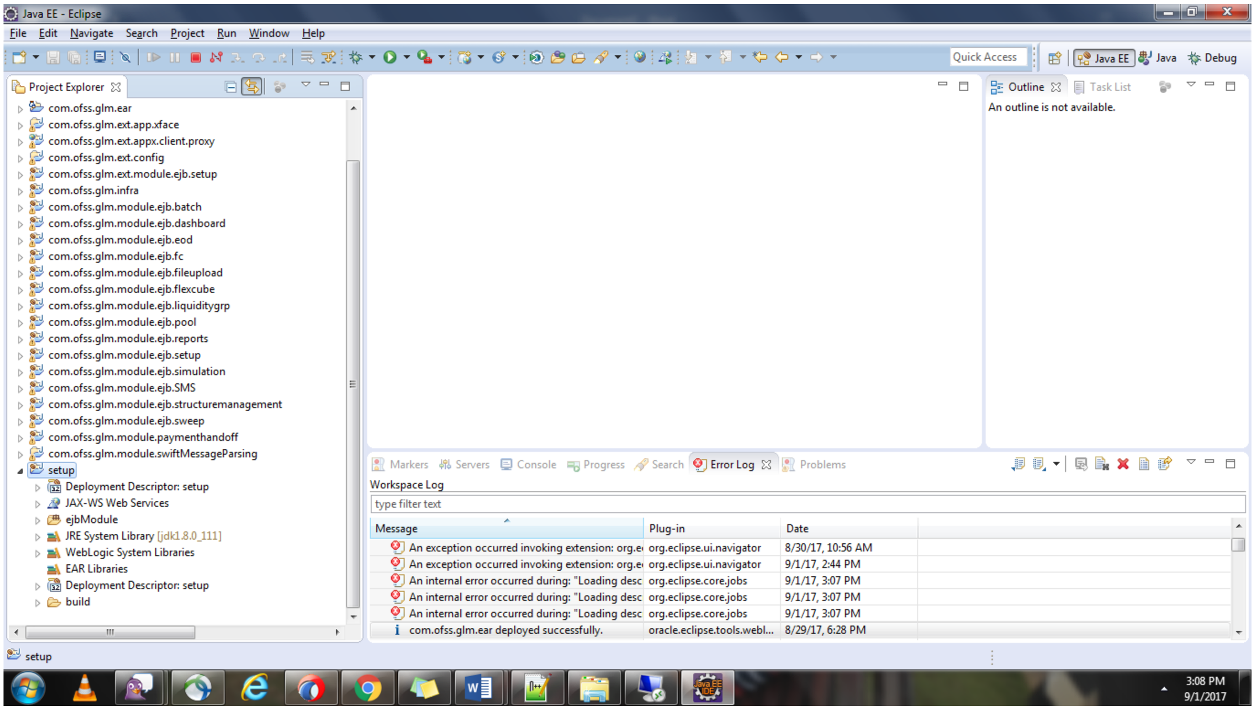
Finish
Cancel
com.ofss.glm.ear deployed successfully.
3:07 PM
9/1/2017



Java EE - Eclipse

Workspace Log

Message	Plug-in	Date
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:56 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	9/1/17, 2:44 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM

File Edit Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
Outline
Task List
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com.ofss.glm.ear
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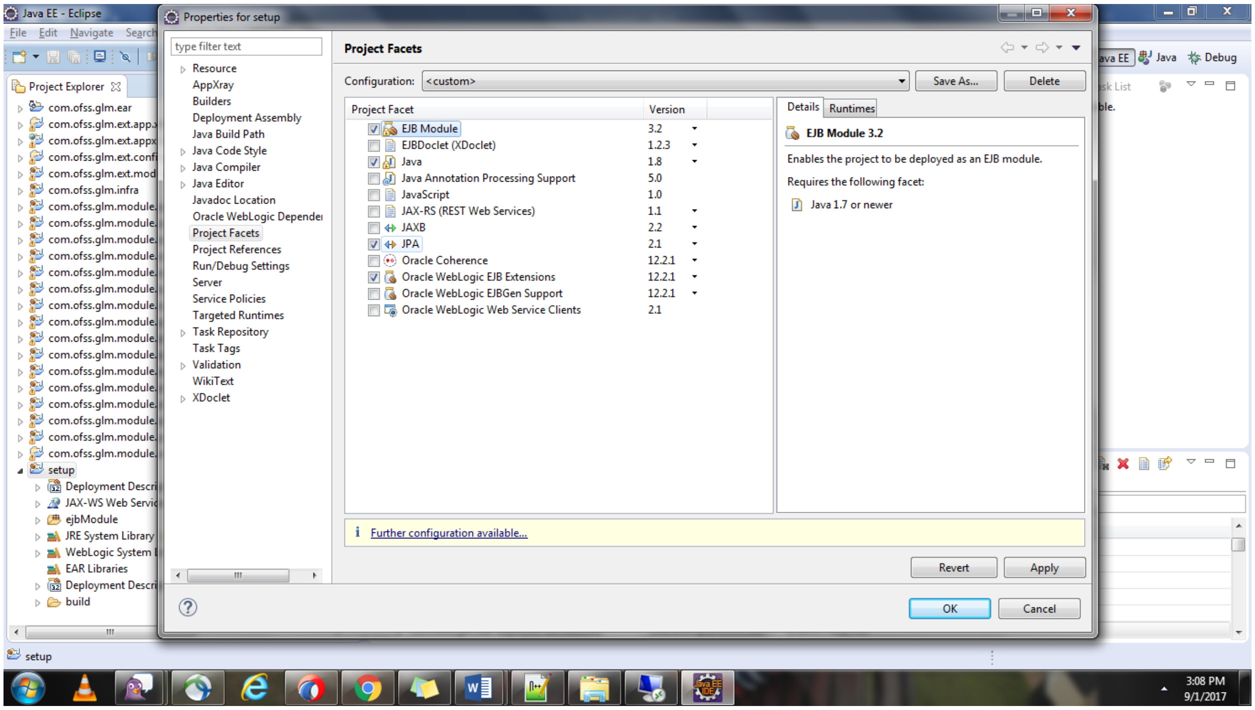
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
setup
Deployment Descriptor: setup
JAX-WS Web Services
ejbModule
JRE System Library [jdk1.8.0_111]
WebLogic System Libraries
EAR Libraries
Deployment Descriptor: setup
build
Markers
Servers
Console
Progress
Search
Error Log
Problems
type filter text
setup
3:08 PM
9/1/2017



Project Facets

Configuration: <custom>

Project Facet	Version
☑ EJB Module	3.2
□ EJBDoclet (XDoclet)	1.2.3
☑ Java	1.8
□ Java Annotation Processing Support	5.0
□ JavaScript	1.0
□ JAX-RS (REST Web Services)	1.1
□ JAXB	2.2
☑ JPA	2.1
□ Oracle Coherence	12.2.1
☑ Oracle WebLogic EJB Extensions	12.2.1
□ Oracle WebLogic EJBGen Support	12.2.1
□ Oracle WebLogic Web Service Clients	2.1

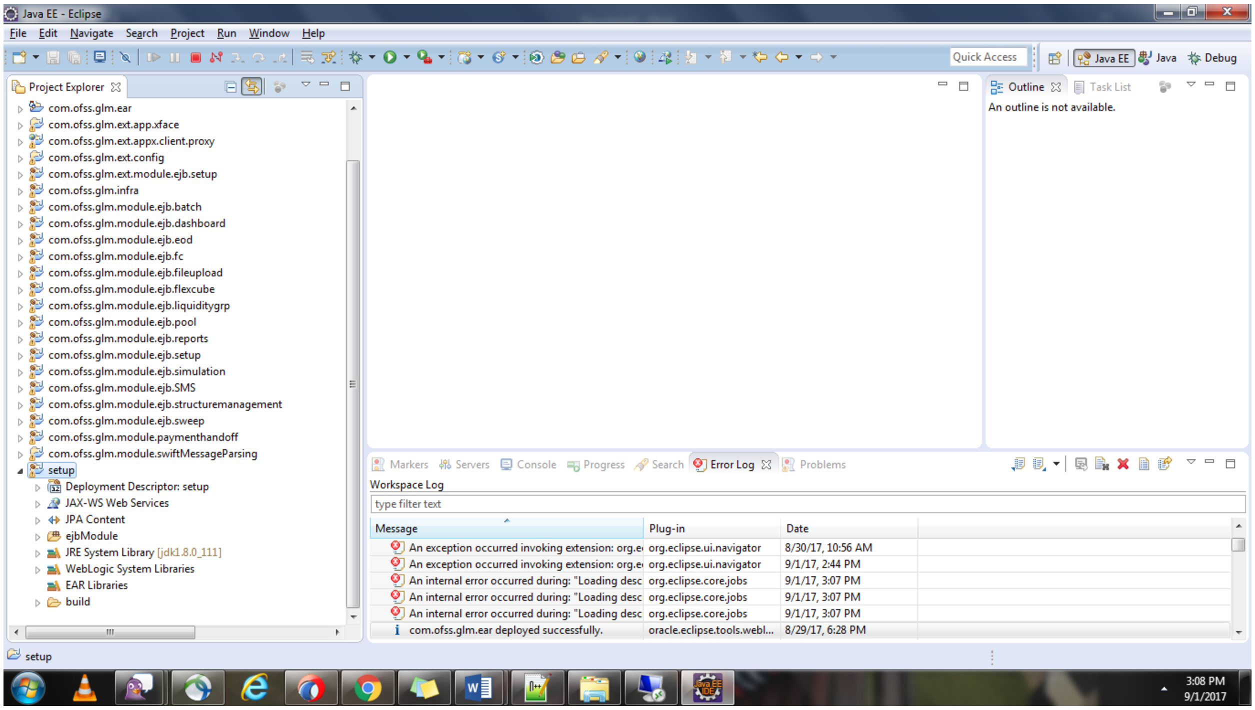
EJB Module 3.2

Enables the project to be deployed as an EJB module.

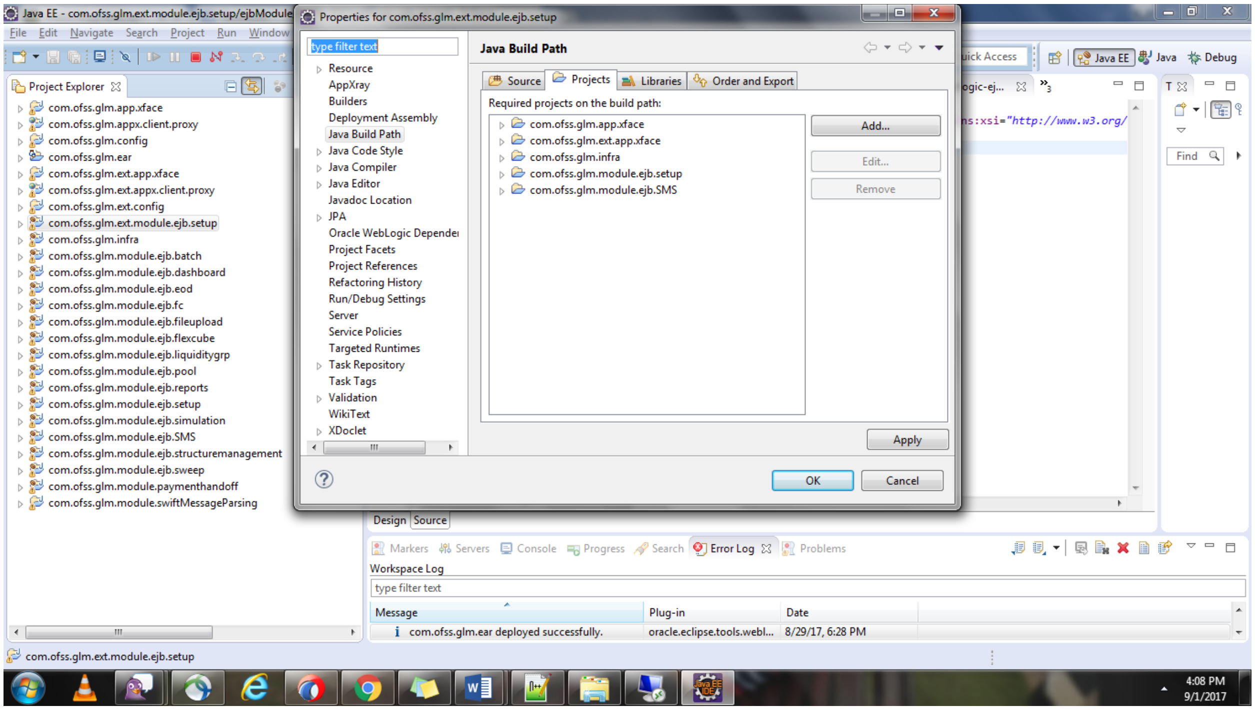
Requires the following facet:

Java 1.7 or newer

Further configuration available...


Java EE - Eclipse
File Edit Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
com.ofss.glm.ear
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
com.ofss.glm.infra
com.ofss.glm.module.ejb.batch
com.ofss.glm.module.ejb.dashboard
com.ofss.glm.module.ejb.eod
com.ofss.glm.module.ejb.fc
com.ofss.glm.module.ejb.fileupload
com.ofss.glm.module.ejb.flexcube
com.ofss.glm.module.ejb.liquiditygrp
com.ofss.glm.module.ejb.pool
com.ofss.glm.module.ejb.reports
com.ofss.glm.module.ejb.setup
com.ofss.glm.module.ejb.simulation
com.ofss.glm.module.ejb.SMS
com.ofss.glm.module.ejb.structuremanagement
com.ofss.glm.module.ejb.sweep
com.ofss.glm.module.paymenthandoff
com.ofss.glm.module.swiftMessageParsing
setup
Deployment Descriptor: setup
JAX-WS Web Services
JPA Content
ejbModule
JRE System Library [jdk1.8.0_111]
WebLogic System Libraries
EAR Libraries
build
Outline
Task List
An outline is not available.
Markers
Servers
Console
Progress
Search
Error Log
Problems
Workspace Log
type filter text
setup
3:08 PM
9/1/2017

Message	Plug-in	Date
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	8/30/17, 10:56 AM
An exception occurred invoking extension: org.e	org.eclipse.ui.navigator	9/1/17, 2:44 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
An internal error occurred during: "Loading desc	org.eclipse.core.jobs	9/1/17, 3:07 PM
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM



Properties for com.ofss.glm.ext.module.ejb.setup

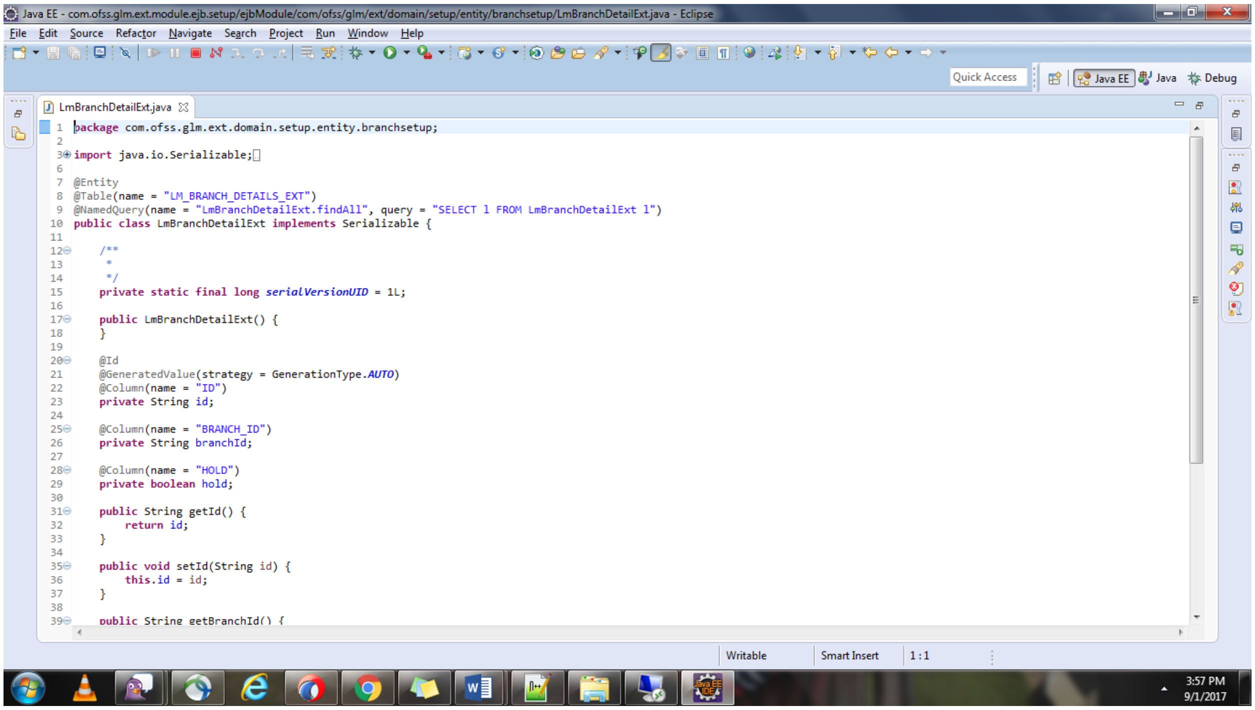
Java Build Path

Required projects on the build path:

- com.ofss.glm.app.xface
- com.ofss.glm.ext.app.xface
- com.ofss.glm.infra
- com.ofss.glm.module.ejb.setup
- com.ofss.glm.module.ejb.SMS

Message	Plug-in	Date
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM

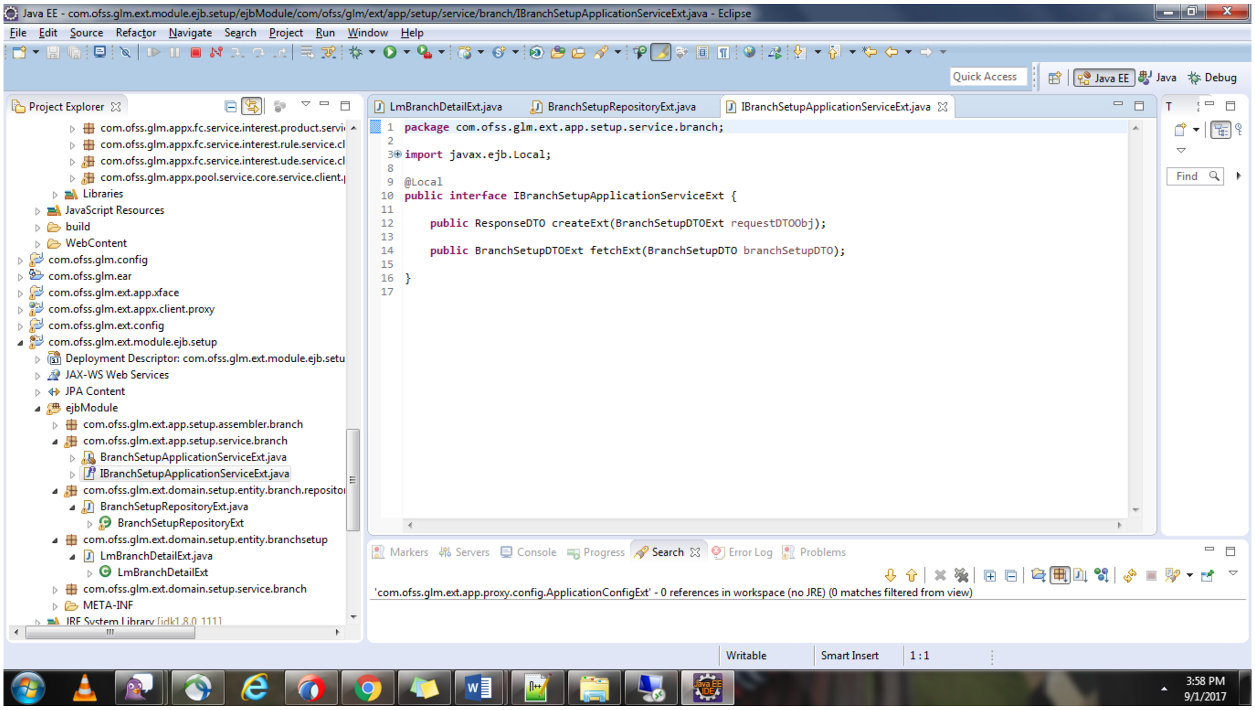
16 Add New Entity, Application Service, Domain Service and Repository.



Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/com/ofss/glm/ext/domain/setup/entity/branchsetup/LmBranchDetailExt.java - Eclipse

LmBranchDetailExt.java

```java
package com.ofss.glm.ext.domain.setup.entity.branchsetup;

import java.io.Serializable;

@Entity
@Table(name = "LM_BRANCH_DETAILS_EXT")
@NamedQuery(name = "LmBranchDetailExt.findAll", query = "SELECT l FROM LmBranchDetailExt l")
public class LmBranchDetailExt implements Serializable {

    /**
     *
     */
    private static final long serialVersionUID = 1L;

    public LmBranchDetailExt() {
    }

    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    @Column(name = "ID")
    private String id;

    @Column(name = "BRANCH_ID")
    private String branchId;

    @Column(name = "HOLD")
    private boolean hold;

    public String getId() {
        return id;
    }

    public void setId(String id) {
        this.id = id;
    }

    public String getBranchId() {
```

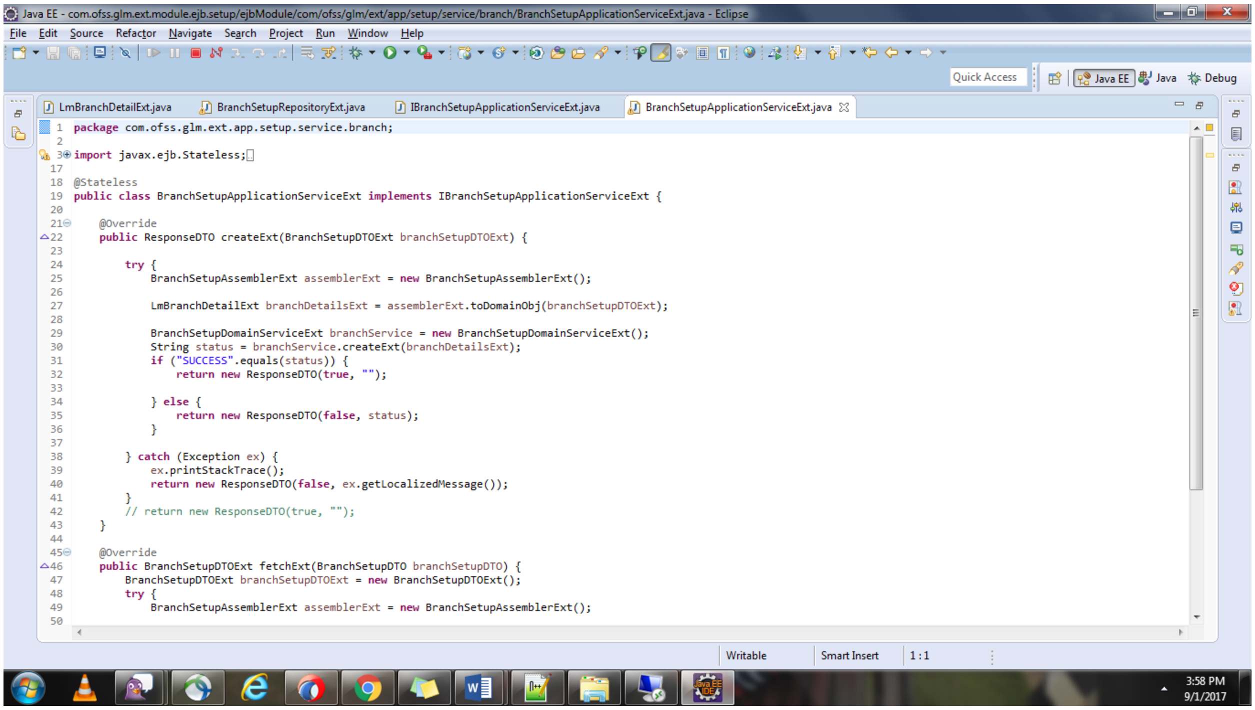


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/com/ofss/glm/ext/app/setup/service/branch/IBranchSetupApplicationServiceExt.java - Eclipse

```
        com.ofss.glm.appx.fc.service.interest.product.servi
        com.ofss.glm.appx.fc.service.interest.rule.service.cl
        com.ofss.glm.appx.fc.service.interest.ude.service.cl
        com.ofss.glm.appx.pool.service.core.service.client.
      Libraries
    JavaScript Resources
    build
    WebContent
  com.ofss.glm.config
  com.ofss.glm.ear
  com.ofss.glm.ext.app.xface
  com.ofss.glm.ext.appx.client.proxy
  com.ofss.glm.ext.config
  com.ofss.glm.ext.module.ejb.setup
    Deployment Descriptor: com.ofss.glm.ext.module.ejb.setu
    JAX-WS Web Services
    JPA Content
    ejbModule
      com.ofss.glm.ext.app.setup.assembler.branch
      com.ofss.glm.ext.app.setup.service.branch
        BranchSetupApplicationServiceExt.java
        IBranchSetupApplicationServiceExt.java
      com.ofss.glm.ext.domain.setup.entity.branch.reposito
        BranchSetupRepositoryExt.java
          BranchSetupRepositoryExt
      com.ofss.glm.ext.domain.setup.entity.branchsetup
        LmBranchDetailExt.java
          LmBranchDetailExt
      com.ofss.glm.ext.domain.setup.service.branch
      META-INF
    JRE System Library [jdk1.8.0_111]
```

```java
package com.ofss.glm.ext.app.setup.service.branch;

import javax.ejb.Local;

@Local
public interface IBranchSetupApplicationServiceExt {

    public ResponseDTO createExt(BranchSetupDTOExt requestDTOObj);

    public BranchSetupDTOExt fetchExt(BranchSetupDTO branchSetupDTO);

}
```

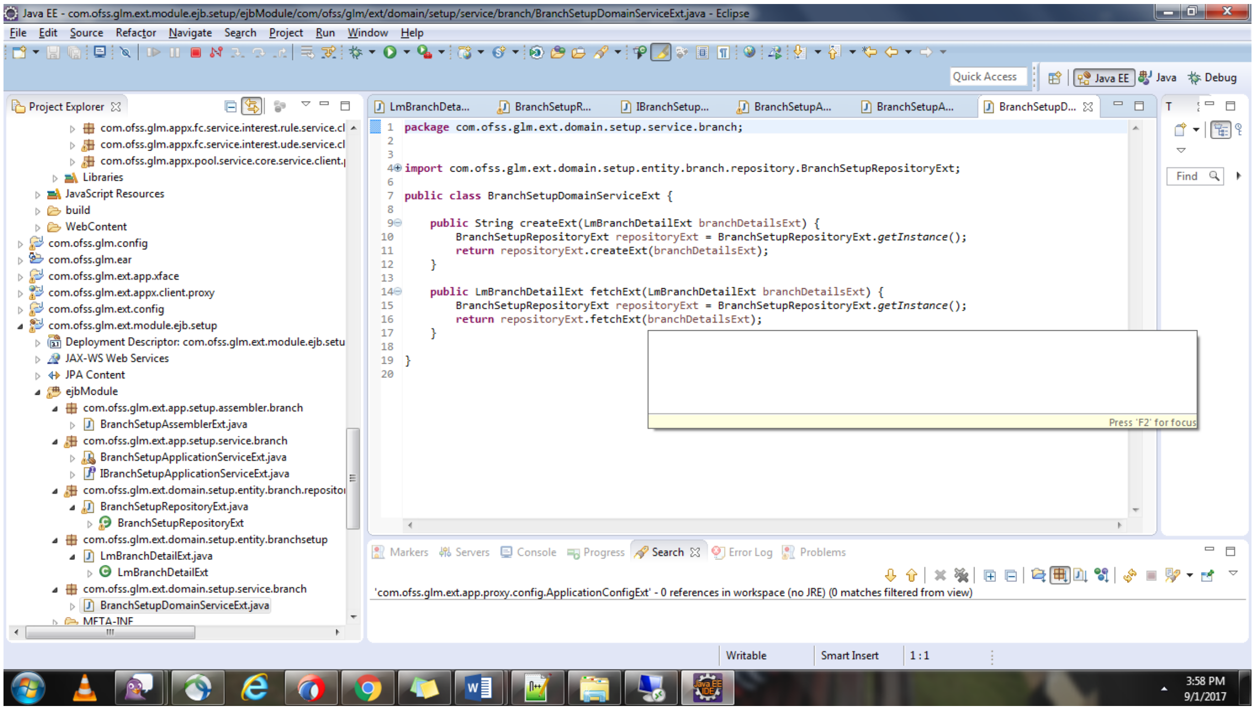
'com.ofss.glm.ext.app.proxy.config.ApplicationConfigExt' - 0 references in workspace (no JRE) (0 matches filtered from view)



Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/com/ofss/glm/ext/app/setup/service/branch/BranchSetupApplicationServiceExt.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
LmBranchDetailExt.java
BranchSetupRepositoryExt.java
IBranchSetupApplicationServiceExt.java
BranchSetupApplicationServiceExt.java
Writable
Smart Insert
1 : 1
3:58 PM
9/1/2017

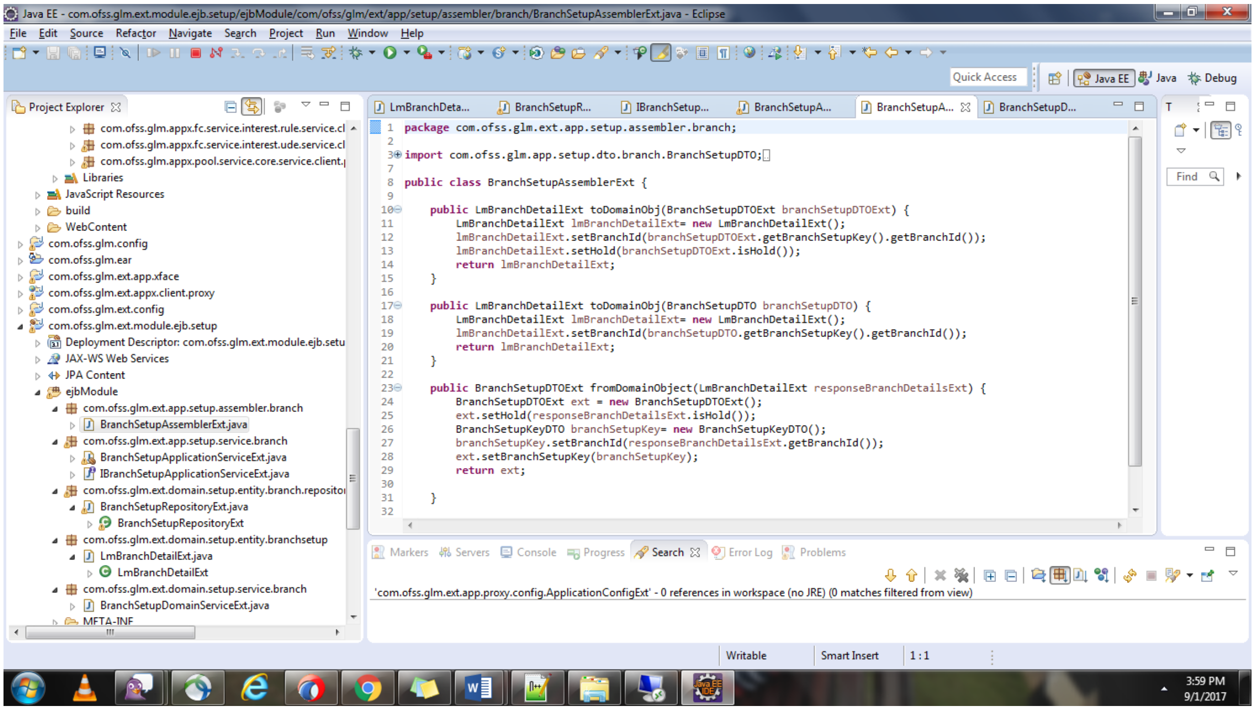
```java
package com.ofss.glm.ext.app.setup.service.branch;

import javax.ejb.Stateless;

@Stateless
public class BranchSetupApplicationServiceExt implements IBranchSetupApplicationServiceExt {

    @Override
    public ResponseDTO createExt(BranchSetupDTOExt branchSetupDTOExt) {

        try {
            BranchSetupAssemblerExt assemblerExt = new BranchSetupAssemblerExt();

            LmBranchDetailExt branchDetailsExt = assemblerExt.toDomainObj(branchSetupDTOExt);

            BranchSetupDomainServiceExt branchService = new BranchSetupDomainServiceExt();
            String status = branchService.createExt(branchDetailsExt);
            if ("SUCCESS".equals(status)) {
                return new ResponseDTO(true, "");

            } else {
                return new ResponseDTO(false, status);
            }

        } catch (Exception ex) {
            ex.printStackTrace();
            return new ResponseDTO(false, ex.getLocalizedMessage());
        }
        // return new ResponseDTO(true, "");
    }

    @Override
    public BranchSetupDTOExt fetchExt(BranchSetupDTO branchSetupDTO) {
        BranchSetupDTOExt branchSetupDTOExt = new BranchSetupDTOExt();
        try {
            BranchSetupAssemblerExt assemblerExt = new BranchSetupAssemblerExt();

```



Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/com/ofss/glm/ext/domain/setup/service/branch/BranchSetupDomainServiceExt.java - Eclipse

```java
package com.ofss.glm.ext.domain.setup.service.branch;


import com.ofss.glm.ext.domain.setup.entity.branch.repository.BranchSetupRepositoryExt;

public class BranchSetupDomainServiceExt {

    public String createExt(LmBranchDetailExt branchDetailsExt) {
        BranchSetupRepositoryExt repositoryExt = BranchSetupRepositoryExt.getInstance();
        return repositoryExt.createExt(branchDetailsExt);
    }

    public LmBranchDetailExt fetchExt(LmBranchDetailExt branchDetailsExt) {
        BranchSetupRepositoryExt repositoryExt = BranchSetupRepositoryExt.getInstance();
        return repositoryExt.fetchExt(branchDetailsExt);
    }

}
```

'com.ofss.glm.ext.app.proxy.config.ApplicationConfigExt' - 0 references in workspace (no JRE) (0 matches filtered from view)

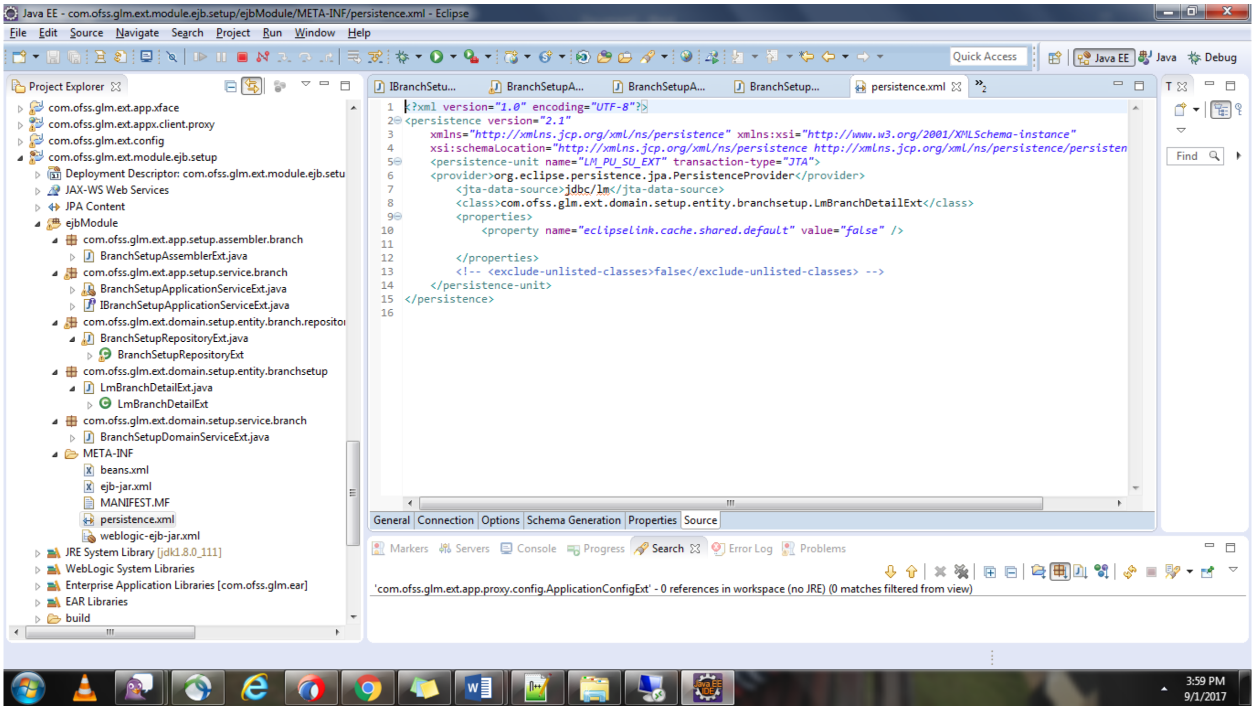


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/com/ofss/glm/ext/app/setup/assembler/branch/BranchSetupAssemblerExt.java - Eclipse

```java
package com.ofss.glm.ext.app.setup.assembler.branch;

import com.ofss.glm.app.setup.dto.branch.BranchSetupDTO;

public class BranchSetupAssemblerExt {

    public LmBranchDetailExt toDomainObj(BranchSetupDTOExt branchSetupDTOExt) {
        LmBranchDetailExt lmBranchDetailExt= new LmBranchDetailExt();
        lmBranchDetailExt.setBranchId(branchSetupDTOExt.getBranchSetupKey().getBranchId());
        lmBranchDetailExt.setHold(branchSetupDTOExt.isHold());
        return lmBranchDetailExt;
    }

    public LmBranchDetailExt toDomainObj(BranchSetupDTO branchSetupDTO) {
        LmBranchDetailExt lmBranchDetailExt= new LmBranchDetailExt();
        lmBranchDetailExt.setBranchId(branchSetupDTO.getBranchSetupKey().getBranchId());
        return lmBranchDetailExt;
    }

    public BranchSetupDTOExt fromDomainObject(LmBranchDetailExt responseBranchDetailsExt) {
        BranchSetupDTOExt ext = new BranchSetupDTOExt();
        ext.setHold(responseBranchDetailsExt.isHold());
        BranchSetupKeyDTO branchSetupKey= new BranchSetupKeyDTO();
        branchSetupKey.setBranchId(responseBranchDetailsExt.getBranchId());
        ext.setBranchSetupKey(branchSetupKey);
        return ext;

    }

```

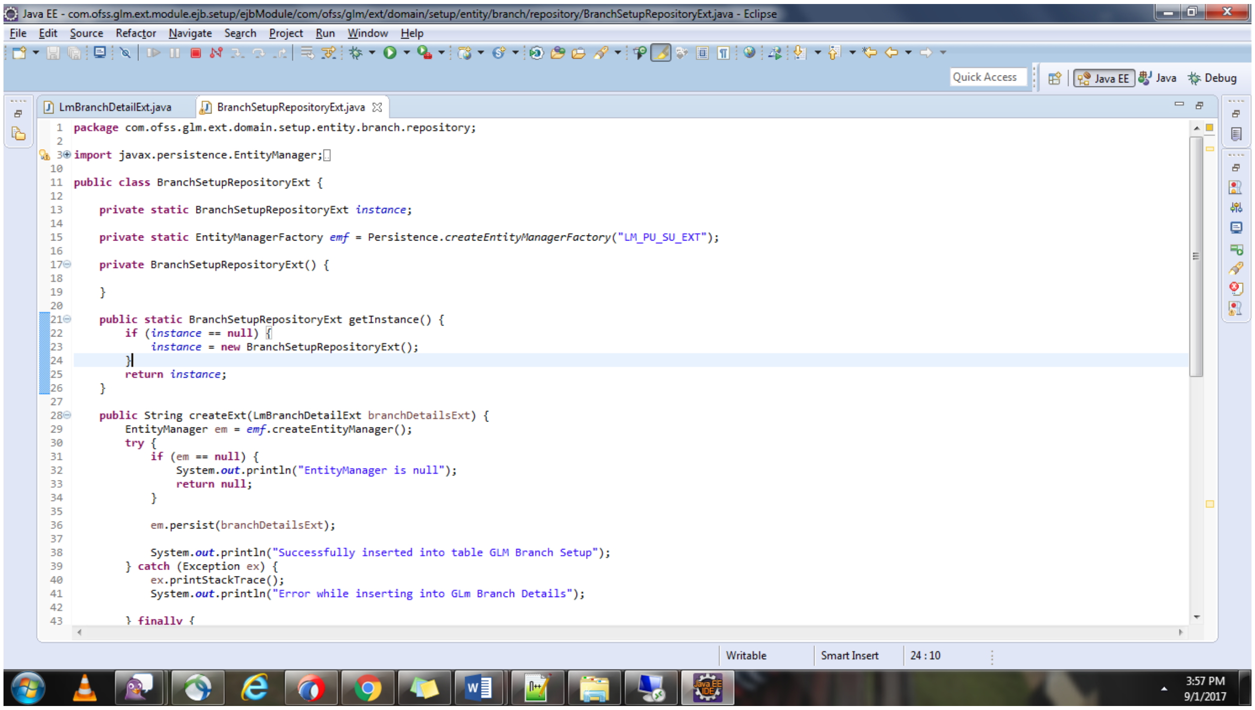
'com.ofss.glm.ext.app.proxy.config.ApplicationConfigExt' - 0 references in workspace (no JRE) (0 matches filtered from view)

17 Create a persistence.xml and add the entity inside the persistence.xml.


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/META-INF/persistence.xml - Eclipse
File Edit Source Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
Project Explorer
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
Deployment Descriptor: com.ofss.glm.ext.module.ejb.setu
JAX-WS Web Services
JPA Content
ejbModule
com.ofss.glm.ext.app.setup.assembler.branch
BranchSetupAssemblerExt.java
com.ofss.glm.ext.app.setup.service.branch
BranchSetupApplicationServiceExt.java
IBranchSetupApplicationServiceExt.java
com.ofss.glm.ext.domain.setup.entity.branch.reposito
BranchSetupRepositoryExt.java
BranchSetupRepositoryExt
com.ofss.glm.ext.domain.setup.entity.branchsetup
LmBranchDetailExt.java
LmBranchDetailExt
com.ofss.glm.ext.domain.setup.service.branch
BranchSetupDomainServiceExt.java
META-INF
beans.xml
ejb-jar.xml
MANIFEST.MF
persistence.xml
weblogic-ejb-jar.xml
JRE System Library [jdk1.8.0_111]
WebLogic System Libraries
Enterprise Application Libraries [com.ofss.glm.ear]
EAR Libraries
build
IBranchSetu...
BranchSetupA...
BranchSetupA...
BranchSetup...
persistence.xml
General
Connection
Options
Schema Generation
Properties
Source
Markers
Servers
Console
Progress
Search
Error Log
Problems
Find
3:59 PM
9/1/2017

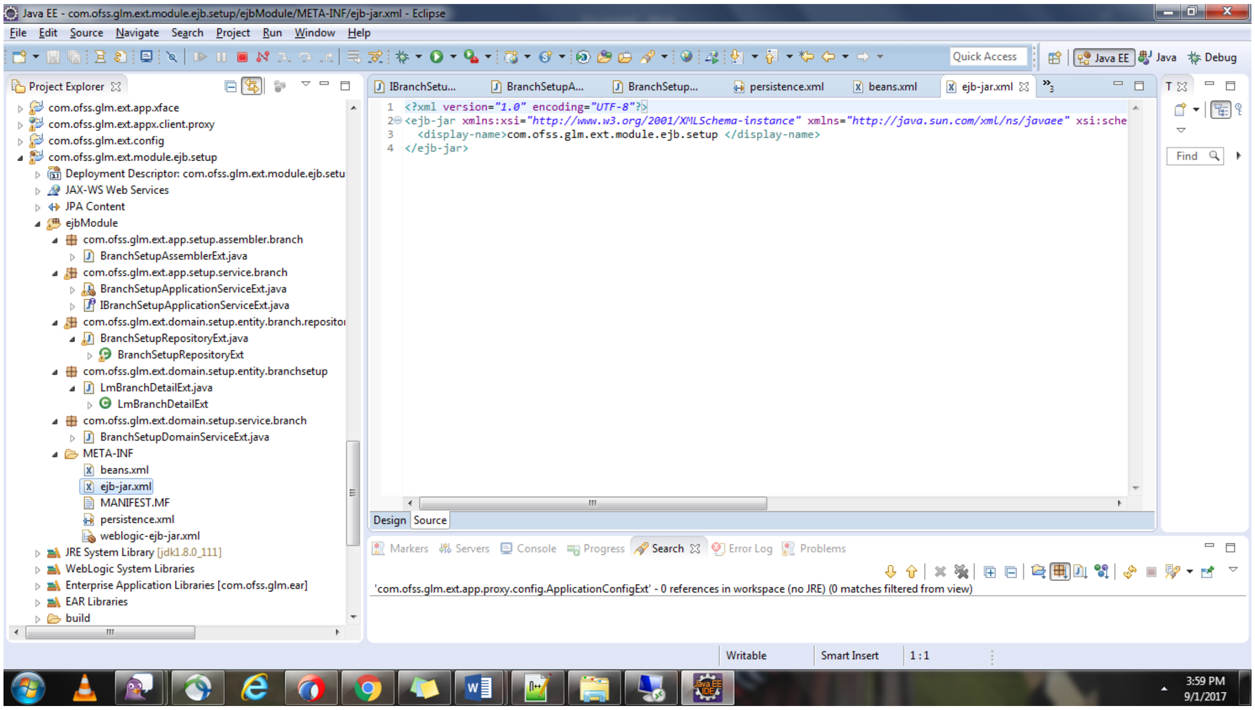
```
<?xml version="1.0" encoding="UTF-8"?>
<persistence version="2.1"
    xmlns="http://xmlns.jcp.org/xml/ns/persistence" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/persistence http://xmlns.jcp.org/xml/ns/persistence/persisten
    <persistence-unit name="LM_PU_SU_EXT" transaction-type="JTA">
    <provider>org.eclipse.persistence.jpa.PersistenceProvider</provider>
        <jta-data-source>jdbc/lm</jta-data-source>
        <class>com.ofss.glm.ext.domain.setup.entity.branchsetup.LmBranchDetailExt</class>
        <properties>
            <property name="eclipselink.cache.shared.default" value="false" />

        </properties>
        <!-- <exclude-unlisted-classes>false</exclude-unlisted-classes> -->
    </persistence-unit>
</persistence>

```

'com.ofss.glm.ext.app.proxy.config.ApplicationConfigExt' - 0 references in workspace (no JRE) (0 matches filtered from view)


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/com/ofss/glm/ext/domain/setup/entity/branch/repository/BranchSetupRepositoryExt.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Java
Debug
LmBranchDetailExt.java
BranchSetupRepositoryExt.java
Writable
Smart Insert
24 : 10
3:57 PM
9/1/2017

```
package com.ofss.glm.ext.domain.setup.entity.branch.repository;

import javax.persistence.EntityManager;

public class BranchSetupRepositoryExt {

    private static BranchSetupRepositoryExt instance;

    private static EntityManagerFactory emf = Persistence.createEntityManagerFactory("LM_PU_SU_EXT");

    private BranchSetupRepositoryExt() {

    }

    public static BranchSetupRepositoryExt getInstance() {
        if (instance == null) {
            instance = new BranchSetupRepositoryExt();
        }
        return instance;
    }

    public String createExt(LmBranchDetailExt branchDetailsExt) {
        EntityManager em = emf.createEntityManager();
        try {
            if (em == null) {
                System.out.println("EntityManager is null");
                return null;
            }

            em.persist(branchDetailsExt);

            System.out.println("Successfully inserted into table GLM Branch Setup");
        } catch (Exception ex) {
            ex.printStackTrace();
            System.out.println("Error while inserting into GLm Branch Details");

        } finally {
```

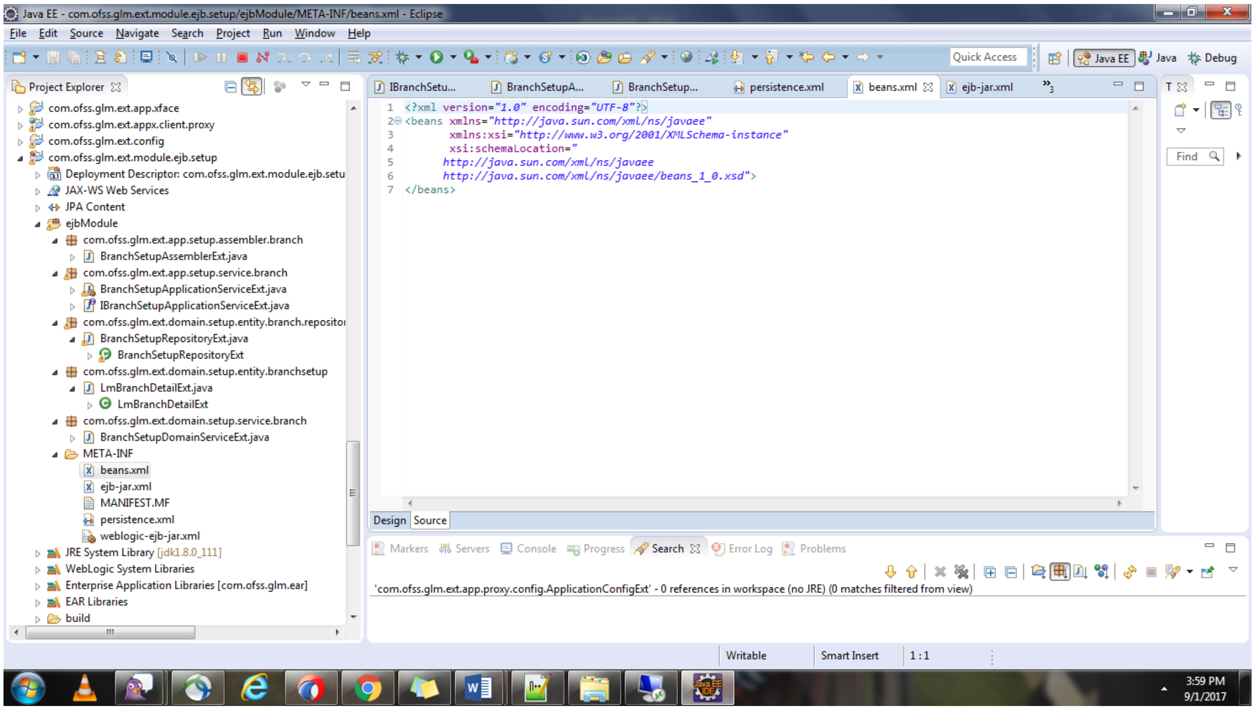
18 Add ejb-jar.xml, weblogic-beans.xml and beans.xml.



```
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
  Deployment Descriptor: com.ofss.glm.ext.module.ejb.setu
  JAX-WS Web Services
  JPA Content
  ejbModule
    com.ofss.glm.ext.app.setup.assembler.branch
      BranchSetupAssemblerExt.java
    com.ofss.glm.ext.app.setup.service.branch
      BranchSetupApplicationServiceExt.java
      IBranchSetupApplicationServiceExt.java
    com.ofss.glm.ext.domain.setup.entity.branch.repositor
      BranchSetupRepositoryExt.java
        BranchSetupRepositoryExt
    com.ofss.glm.ext.domain.setup.entity.branchsetup
      LmBranchDetailExt.java
        LmBranchDetailExt
    com.ofss.glm.ext.domain.setup.service.branch
      BranchSetupDomainServiceExt.java
    META-INF
      beans.xml
      ejb-jar.xml
      MANIFEST.MF
      persistence.xml
      weblogic-ejb-jar.xml
  JRE System Library [jdk1.8.0_111]
  WebLogic System Libraries
  Enterprise Application Libraries [com.ofss.glm.ear]
  EAR Libraries
  build
```

```
<?xml version="1.0" encoding="UTF-8"?>
<ejb-jar xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://java.sun.com/xml/ns/javaee" xsi:sche
  <display-name>com.ofss.glm.ext.module.ejb.setup </display-name>
</ejb-jar>
```

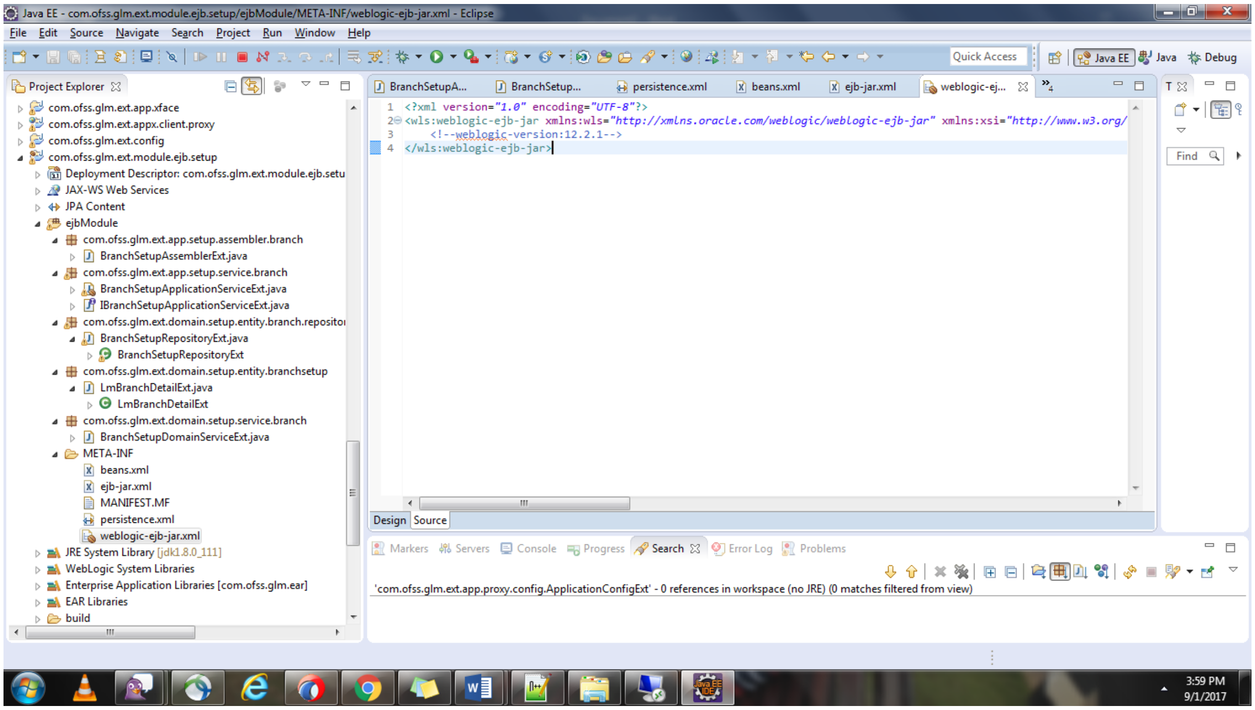
'com.ofss.glm.ext.app.proxy.config.ApplicationConfigExt' - 0 references in workspace (no JRE) (0 matches filtered from view)



```
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
  Deployment Descriptor: com.ofss.glm.ext.module.ejb.setu
  JAX-WS Web Services
  JPA Content
  ejbModule
    com.ofss.glm.ext.app.setup.assembler.branch
      BranchSetupAssemblerExt.java
    com.ofss.glm.ext.app.setup.service.branch
      BranchSetupApplicationServiceExt.java
      IBranchSetupApplicationServiceExt.java
    com.ofss.glm.ext.domain.setup.entity.branch.repositor
      BranchSetupRepositoryExt.java
        BranchSetupRepositoryExt
    com.ofss.glm.ext.domain.setup.entity.branchsetup
      LmBranchDetailExt.java
        LmBranchDetailExt
    com.ofss.glm.ext.domain.setup.service.branch
      BranchSetupDomainServiceExt.java
    META-INF
      beans.xml
      ejb-jar.xml
      MANIFEST.MF
      persistence.xml
      weblogic-ejb-jar.xml
  JRE System Library [jdk1.8.0_111]
  WebLogic System Libraries
  Enterprise Application Libraries [com.ofss.glm.ear]
  EAR Libraries
  build
```

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://java.sun.com/xml/ns/javaee"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="
      http://java.sun.com/xml/ns/javaee
      http://java.sun.com/xml/ns/javaee/beans_1_0.xsd">
</beans>
```

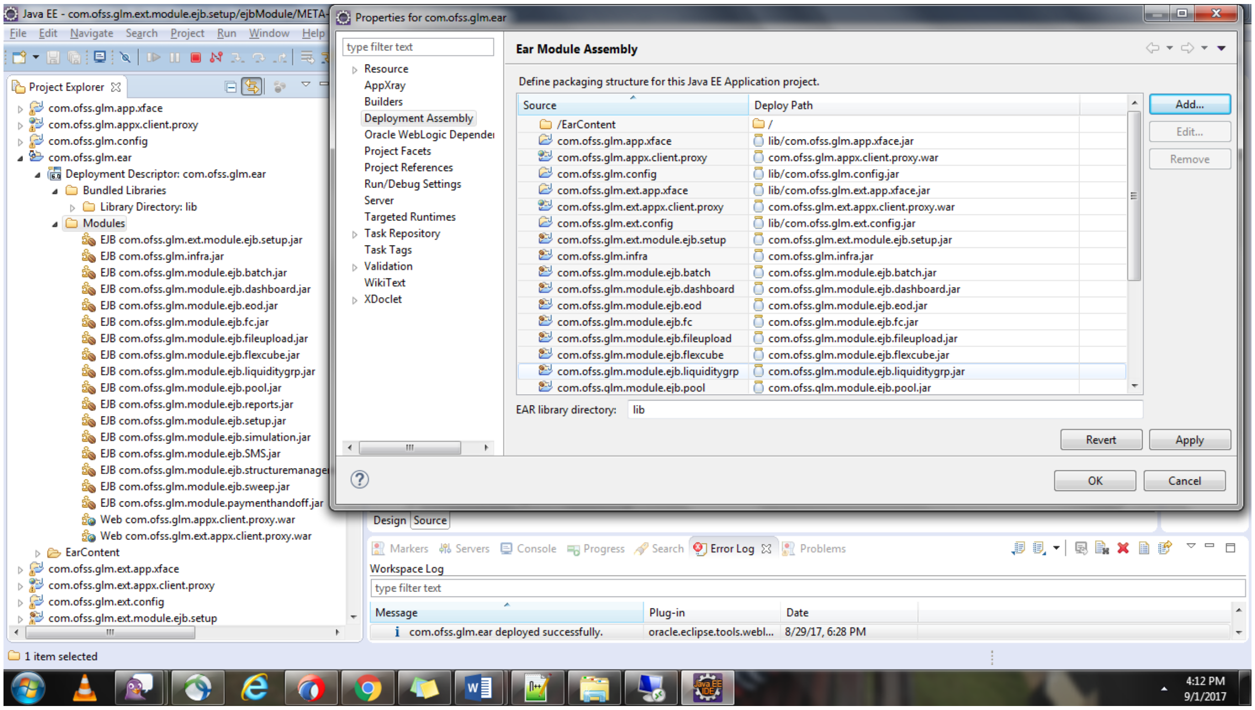
'com.ofss.glm.ext.app.proxy.config.ApplicationConfigExt' - 0 references in workspace (no JRE) (0 matches filtered from view)


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/META-INF/weblogic-ejb-jar.xml - Eclipse
File Edit Source Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
Deployment Descriptor: com.ofss.glm.ext.module.ejb.setu
JAX-WS Web Services
JPA Content
ejbModule
com.ofss.glm.ext.app.setup.assembler.branch
BranchSetupAssemblerExt.java
com.ofss.glm.ext.app.setup.service.branch
BranchSetupApplicationServiceExt.java
IBranchSetupApplicationServiceExt.java
com.ofss.glm.ext.domain.setup.entity.branch.reposito
BranchSetupRepositoryExt.java
BranchSetupRepositoryExt
com.ofss.glm.ext.domain.setup.entity.branchsetup
LmBranchDetailExt.java
LmBranchDetailExt
com.ofss.glm.ext.domain.setup.service.branch
BranchSetupDomainServiceExt.java
META-INF
beans.xml
ejb-jar.xml
MANIFEST.MF
persistence.xml
weblogic-ejb-jar.xml
JRE System Library [jdk1.8.0_111]
WebLogic System Libraries
Enterprise Application Libraries [com.ofss.glm.ear]
EAR Libraries
build
BranchSetupA... BranchSetup... persistence.xml beans.xml ejb-jar.xml weblogic-ej...
Design Source
Markers Servers Console Progress Search Error Log Problems
Quick Access Java EE Java Debug
3:59 PM
9/1/2017

```
<?xml version="1.0" encoding="UTF-8"?>
<wls:weblogic-ejb-jar xmlns:wls="http://xmlns.oracle.com/weblogic/weblogic-ejb-jar" xmlns:xsi="http://www.w3.org/
    <!--weblogic-version:12.2.1-->
</wls:weblogic-ejb-jar>
```

'com.ofss.glm.ext.app.proxy.config.ApplicationConfigExt' - 0 references in workspace (no JRE) (0 matches filtered from view)

19 Add the newly created projects in Deployment Assembly in the ear project.


Java EE - com.ofss.glm.ext.module.ejb.setup/ejbModule/META-
File Edit Navigate Search Project Run Window Help
Project Explorer
com.ofss.glm.app.xface
com.ofss.glm.appx.client.proxy
com.ofss.glm.config
com.ofss.glm.ear
Deployment Descriptor: com.ofss.glm.ear
Bundled Libraries
Library Directory: lib
Modules
EJB com.ofss.glm.ext.module.ejb.setup.jar
EJB com.ofss.glm.infra.jar
EJB com.ofss.glm.module.ejb.batch.jar
EJB com.ofss.glm.module.ejb.dashboard.jar
EJB com.ofss.glm.module.ejb.eod.jar
EJB com.ofss.glm.module.ejb.fc.jar
EJB com.ofss.glm.module.ejb.fileupload.jar
EJB com.ofss.glm.module.ejb.flexcube.jar
EJB com.ofss.glm.module.ejb.liquiditygrp.jar
EJB com.ofss.glm.module.ejb.pool.jar
EJB com.ofss.glm.module.ejb.reports.jar
EJB com.ofss.glm.module.ejb.setup.jar
EJB com.ofss.glm.module.ejb.simulation.jar
EJB com.ofss.glm.module.ejb.SMS.jar
EJB com.ofss.glm.module.ejb.structuremanage
EJB com.ofss.glm.module.ejb.sweep.jar
EJB com.ofss.glm.module.paymenthandoff.jar
Web com.ofss.glm.appx.client.proxy.war
Web com.ofss.glm.ext.appx.client.proxy.war
EarContent
com.ofss.glm.ext.app.xface
com.ofss.glm.ext.appx.client.proxy
com.ofss.glm.ext.config
com.ofss.glm.ext.module.ejb.setup
1 item selected
Properties for com.ofss.glm.ear
type filter text
Resource
AppXray
Builders
Deployment Assembly
Oracle WebLogic Depende
Project Facets
Project References
Run/Debug Settings
Server
Targeted Runtimes
Task Repository
Task Tags
Validation
WikiText
XDoclet
Add...
Edit...
Remove
Revert
Apply
OK
Cancel
Design Source
Markers Servers Console Progress Search Error Log Problems
4:12 PM
9/1/2017

Ear Module Assembly

Define packaging structure for this Java EE Application project.

Source	Deploy Path
/EarContent	/
com.ofss.glm.app.xface	lib/com.ofss.glm.app.xface.jar
com.ofss.glm.appx.client.proxy	com.ofss.glm.appx.client.proxy.war
com.ofss.glm.config	lib/com.ofss.glm.config.jar
com.ofss.glm.ext.app.xface	lib/com.ofss.glm.ext.app.xface.jar
com.ofss.glm.ext.appx.client.proxy	com.ofss.glm.ext.appx.client.proxy.war
com.ofss.glm.ext.config	lib/com.ofss.glm.ext.config.jar
com.ofss.glm.ext.module.ejb.setup	com.ofss.glm.ext.module.ejb.setup.jar
com.ofss.glm.infra	com.ofss.glm.infra.jar
com.ofss.glm.module.ejb.batch	com.ofss.glm.module.ejb.batch.jar
com.ofss.glm.module.ejb.dashboard	com.ofss.glm.module.ejb.dashboard.jar
com.ofss.glm.module.ejb.eod	com.ofss.glm.module.ejb.eod.jar
com.ofss.glm.module.ejb.fc	com.ofss.glm.module.ejb.fc.jar
com.ofss.glm.module.ejb.fileupload	com.ofss.glm.module.ejb.fileupload.jar
com.ofss.glm.module.ejb.flexcube	com.ofss.glm.module.ejb.flexcube.jar
com.ofss.glm.module.ejb.liquiditygrp	com.ofss.glm.module.ejb.liquiditygrp.jar
com.ofss.glm.module.ejb.pool	com.ofss.glm.module.ejb.pool.jar

EAR library directory: lib

Workspace Log

Message	Plug-in	Date
com.ofss.glm.ear deployed successfully.	oracle.eclipse.tools.webl...	8/29/17, 6:28 PM

Oracle Banking Liquidity Management
Version 14.0.0.0.0
[November] [2017]

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