



# **ETRACS**

## **Intermediate Systems Training Basic Refresher Course**

**July 17 – 21, 2023**

**Rameses Systems Inc**

**Rameses Systems Training Center  
Cebu City, Cebu**



# REFRESHER PLUGIN

# Objectives

- Refresher on the process of creating a “**plugin**” deployed to ETRACS Platform
- Develop the plugin using Groovy, Osiris3 Platform, Osiris3 Services and associated technologies

# Create “refresher” Java Project

1. Launch NetBeans 7.2
2. Click File – New Project
3. Under Categories, select **Java**
4. Under Projects, select **Java Class Library**
5. Click Next
6. On Project Name, enter **refresher**
7. Set Project Location to **INTERMEDIATE\_DIR/plugins** folder
8. Click Finish

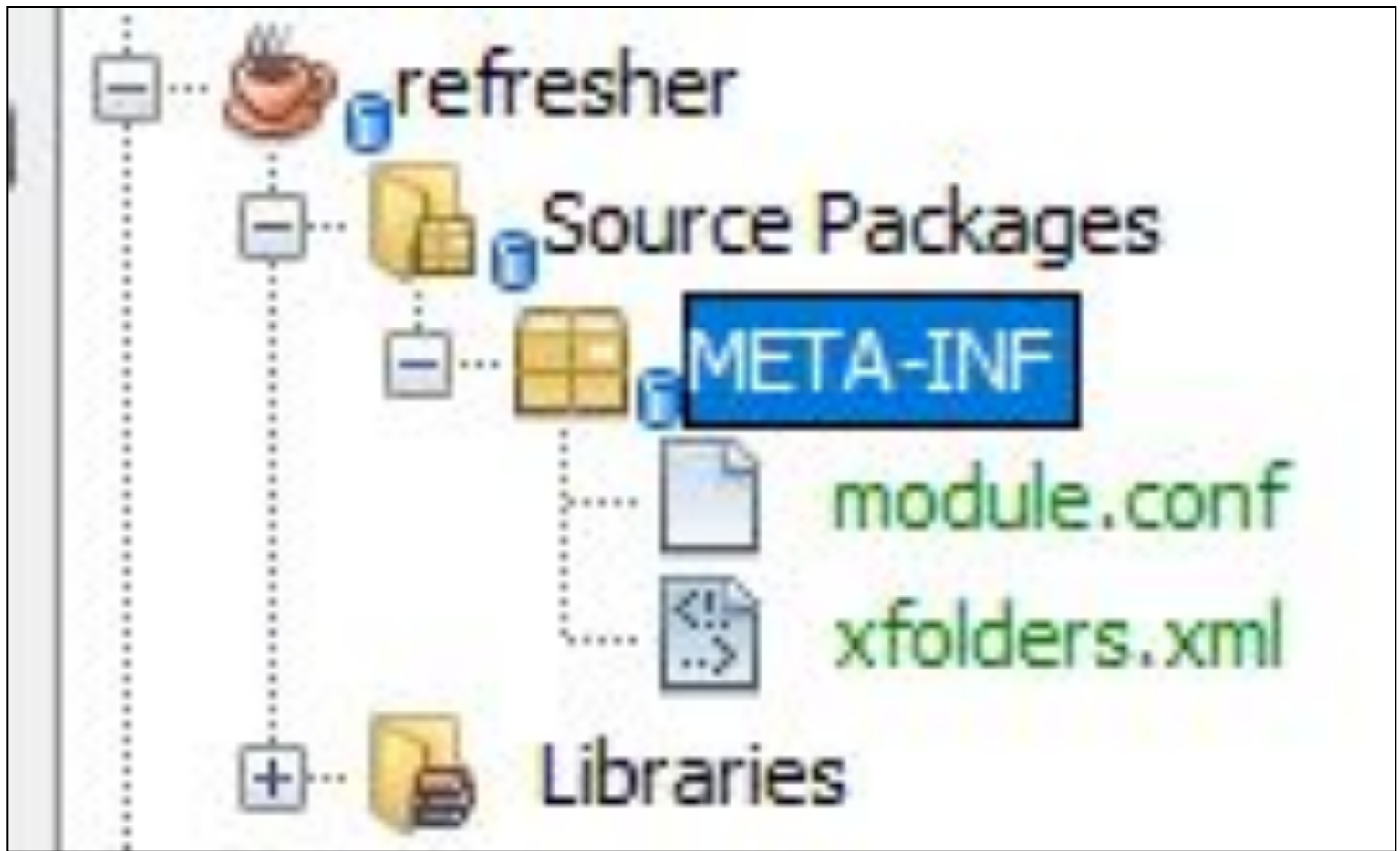
## Reference “**osiris3-client-libs**” Library

1. On the **refresher** project, right-click Libraries and select Add Library...
2. Search and select **osiris3-client-libs**
3. Click Add Library

# Add META-INF folder and files

1. Right-click **Source Packages** and select New – Folder...
2. Enter **META-INF** on Folder Name and click Finish
3. Right-click META-INF and select New – Empty File...
4. Enter **module.conf** on File Name and click Finish
5. Right-click META-INF and select New XML Document...
6. Enter **xfolders.xml** on File Name, click Next and then click Finish

# The META-INF folder and files



# Setup META-INF/module.conf

- Update **module.conf** with the following information and then save

```
1    name=refresher  
2    domain=TRAINING
```



# Setup META-INF/xfolders.xml

- Update **xfolders.xml** with the following information and then save

```
1  <folders>
2      <folder id="menu">
3          <folder id="training" caption="Training">
4              <folder id="intermediate"
5                  caption="Intermediate"
6              />
7          </folder>
8      </folder>
9  </folders>
```

# Add the **workunits** Package

1. Right-click Source Packages and select New – Java Package...
2. Enter **workunits** on the Package Name and the click Finish
3. Right-click **workunits** package and select New – XML Document...
4. Enter **refresher** on the File Name, click Next and then Finish

# Add the **workunits** Package (*cont*)

Edit **refresher.xml** workunit and save

```
1  <workunits>
2      <invokers>
3          <invoker folderid="/menu/training/intermediate"
4              caption="Refresher"
5          />
6          <invoker type="formActions"
7              caption="Close"
8              action="_close"
9              immediate="true"
10         />
11     </invokers>
12     <code class="models.RefreshModel" />
13     <pages>
14         <page template="views.RefreshPage" />
15     </pages>
16 </workunits>
```

# Add the **RefresherPage**

1. Right-click Source Packages and select New – Java Package...
2. Enter **views** on the Package Name and then click Finish
3. Right-click **views** package and select New – JPanel Form...
4. On the Class Name, enter **RefresherPage** and then click Finish

# The RefresherPage

First Name : *	<input type="text" value="entity.firstname"/>
Last Name : *	<input type="text" value="entity.lastname"/>
LGU : *	<input type="text" value="entity.lgu"/>
<input type="checkbox"/> Is Regular Employee?	
Salary : *	<input type="text" value="entity.salary"/>
#{"Programming Experience"}	
<input type="radio"/> Beginner <input type="radio"/> Intermediate <input type="radio"/> Advance	
<input type="button" value="Save"/>	

# RefresherPage UI Attributes

1	-----		
2	XControl	Property	Value
3	-----		
4	XFormPanel	n/a	n/a
5			
6	XTextField	name	entity.firstname
7		caption	First Name
8		preferredSize	[0,20]
9		required	true
10			
11	XTextField	name	entity.lastname
12		caption	Last Name
13		preferredSize	[0,20]
14		required	true
15			
16	XComboBox	name	entity.lgu
17		caption	LGU
18		items	lgus
19		required	true
20		allowNull	false

# RefresherPage UI Attributes (cont)

```
22  XCheckBox      name      entity.isregular
23  |             |         text      Is Regular Employee?
24  |             |         showCaption false
25  |             |         cellPadding [10,0,0,0]
26
27  XDecimalField  name      entity.salary
28  |             |         caption   Salary
29  |             |         required  true
30
31  XLabel         expression  #{ "Programming Experience" }
32  |             |         cellPadding [10,0,0,0]
33
34  XFormPanel     orientation HORIZONTAL
35  |             |         preferredSize [0,23]
36  |             |         showCaption false
37
38  XRadio         name      entity.experience
39  |             |         text      Beginner
40  |             |         optionValue Custom code: "beginner"
41  |             |         showCaption false
42  |             |         cellPadding [0,0,0,10]
```



# RefresherPage UI Attributes (*cont*)

44	XRadio	name	entity.experience
45		text	Intermediate
46		optionValue	Custom code: "intermediate"
47		showCaption	false
48		cellPadding	[0,0,0,10]
49			
50	XRadio	name	entity.experience
51		text	Advance
52		optionValue	Custom code: "advance"
53		showCaption	false
54		cellPadding	[0,0,0,10]
55			
56	XButton	name	save
57		text	Save
58			



# The **RefresherPage** Template

- Setup the **FormPage** Template
  1. Right-click **views/RefresherPage.java** and select Edit
  2. Enter the modified code and save

```
5    package views;
6
7    import com.rameses.osiris2.themes.FormPage;
8    import com.rameses.rcp.ui.annotations.Template;
9
10   @Template(FormPage.class)
11   public class RefresherPage extends javax.swing.JPanel {
12
```

# The **RefresherModel**

1. Right-click Source Packages and select New – Java Package...
2. Enter **models** on the Package Name and the click Finish
3. Right-click **models** package and select New – Empty File...
4. On the File Name, enter **RefresherModel.groovy** and then click Finish

# Add the **RefresherModel** (*cont*)

Edit **RefresherModel** and save

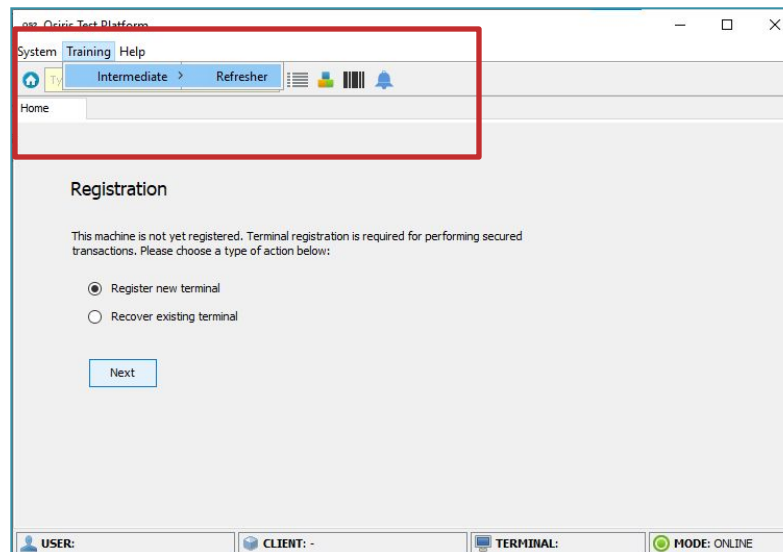
```
1  package models;
2
3  import com.rameses.rcp.common.*
4
5  class RefresherModel {
6      String title = 'Participant Information';
7
8      def entity = [:];
9
10     def lgus = ['Aklan', 'Bohol', 'Cebu']
11
12     void init() {
13         entity.experience = 'beginner';
14         entity.salary = 10000;
15         entity.isregular = true;
16     }
17
18     void save() {
19         MsgBox.alert(entity);
20     }
21 }
```

# Add **refresher** Plugin to Client-Tester

1. Expand **etracs25-client-tester**
2. Right-click on Libraries and select Add Project...
3. Browse to **INTERMEDIATE\_DIR/plugins/** folder, select **refresher** project
4. Click Add Project JAR Files

# Testing the **refresher** Plugin

1. Right-click **refresher** plugin and select Clean and Build
2. Right-click **etracs25-client-tester** and select Clean and Build
3. Right-click **etracs25-client-tester** and select Run



# The refresher Plugin


082 Osiris Test Platform

System Training Help

Type a quick launcher key

Home Refresher x

## Participant Information

 Close

First Name : \* JUAN

Last Name : \* DELA CRUZ

LGU : \* Cebu

☒ Is Regular Employee?

Salary : \* 10,000.00

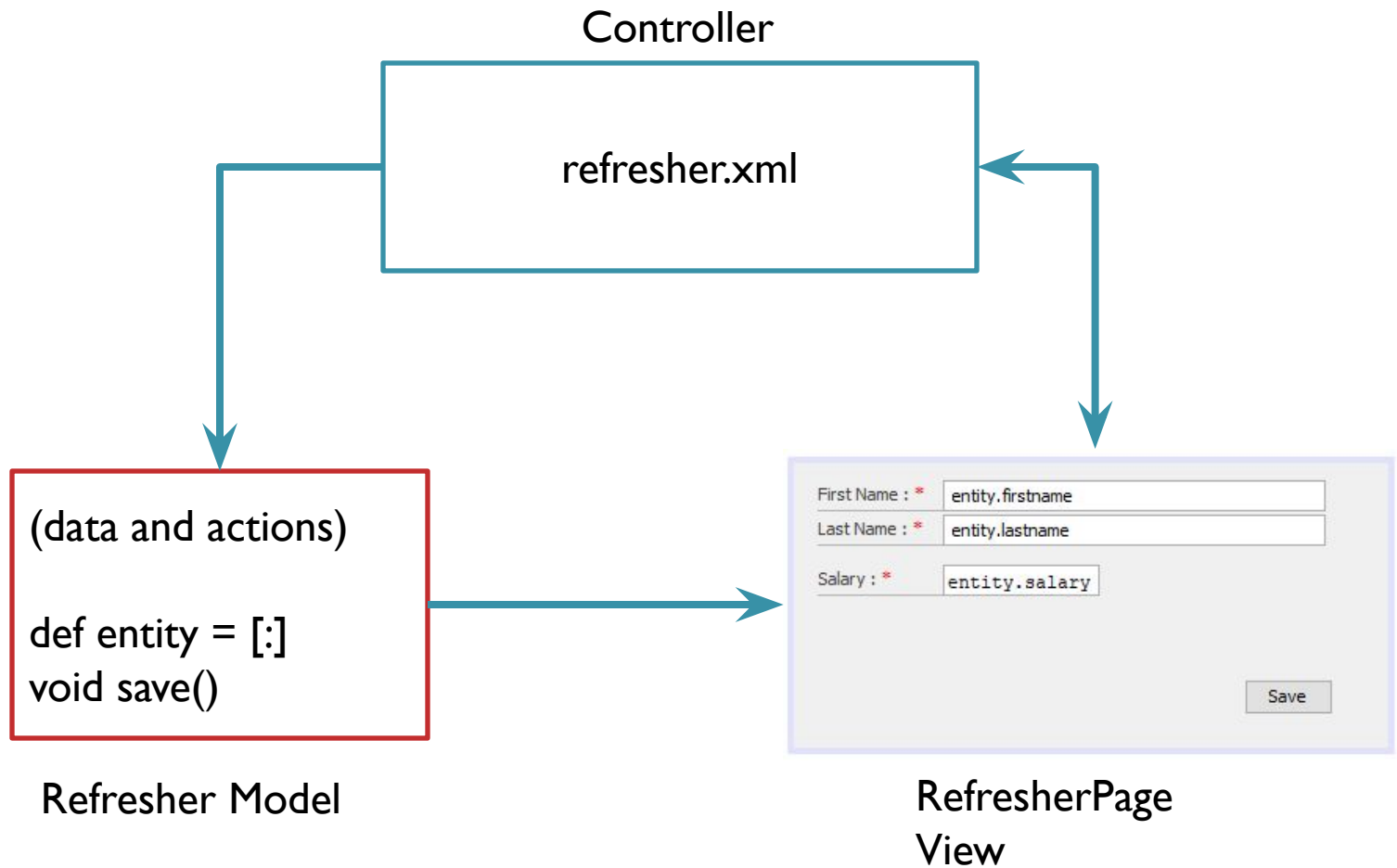
Programming Experience

☐ Beginner ☒ Intermediate ☐ Advance

Save

USER: CLIENT: - TERMINAL: MODE: ONLINE

# Behind the Scene





**END OF MODULE**