

3. Building and deploying the sample CICS project for Heirloom PaaS

These steps assume you have an open, working Eclipse and a configured application instance.

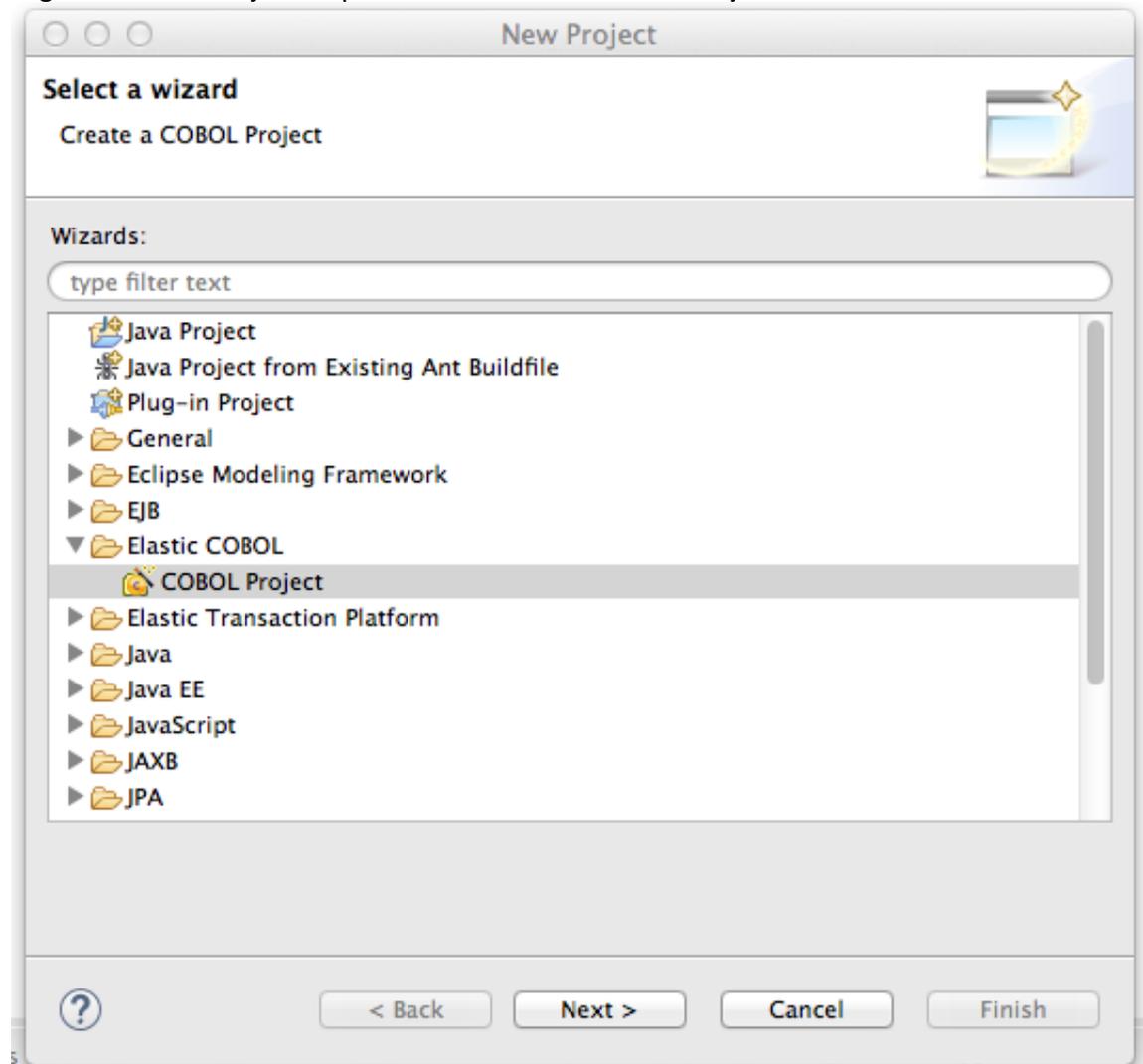
If you do not then follow the steps in section '1, Configuring Heirloom PaaS and EBP for a simple demo'

Download Sample Source bundle from

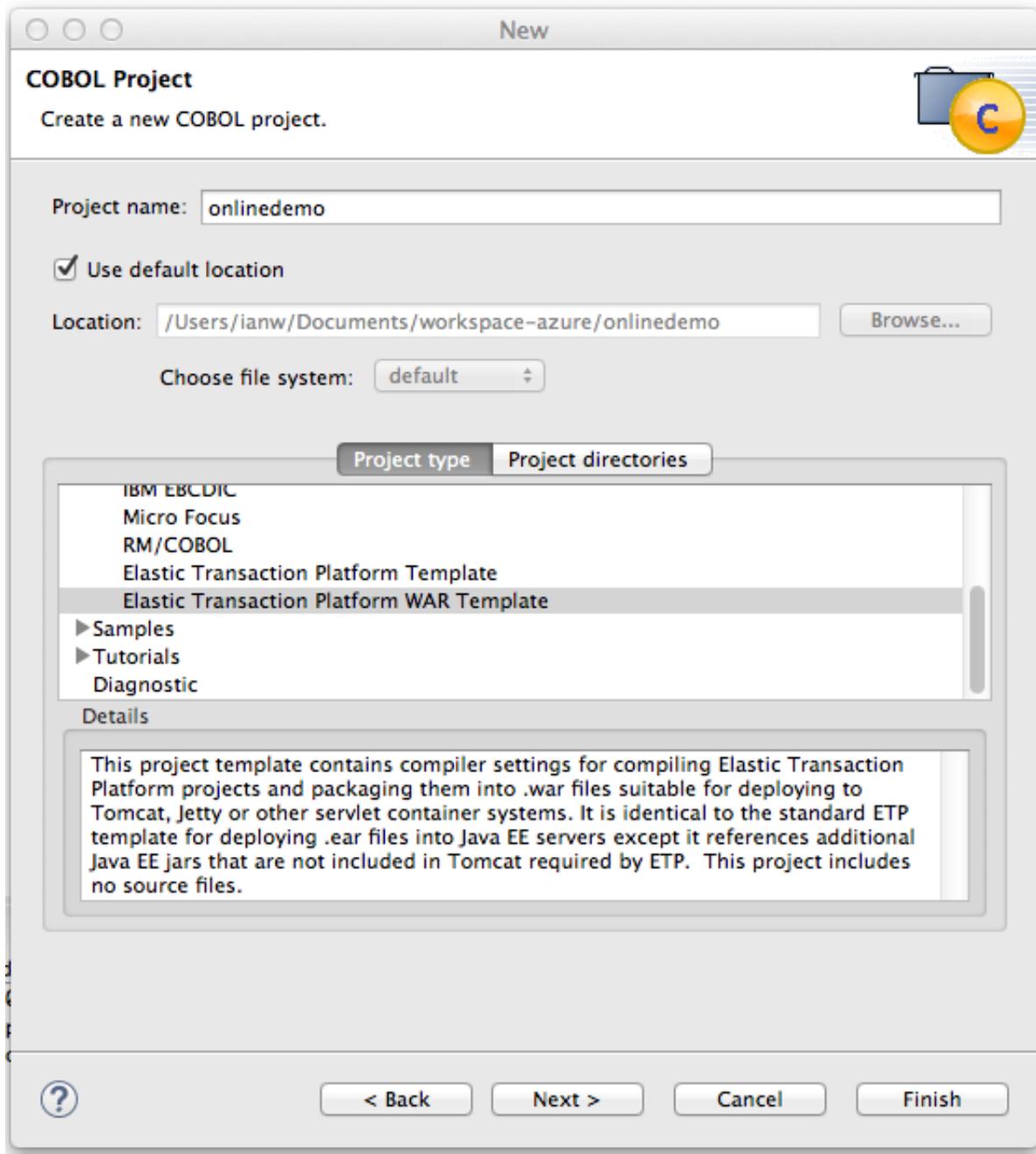
here: <http://www.elasticcobol.com/downloads/PaaS Demo.zip>

Building the ETP project

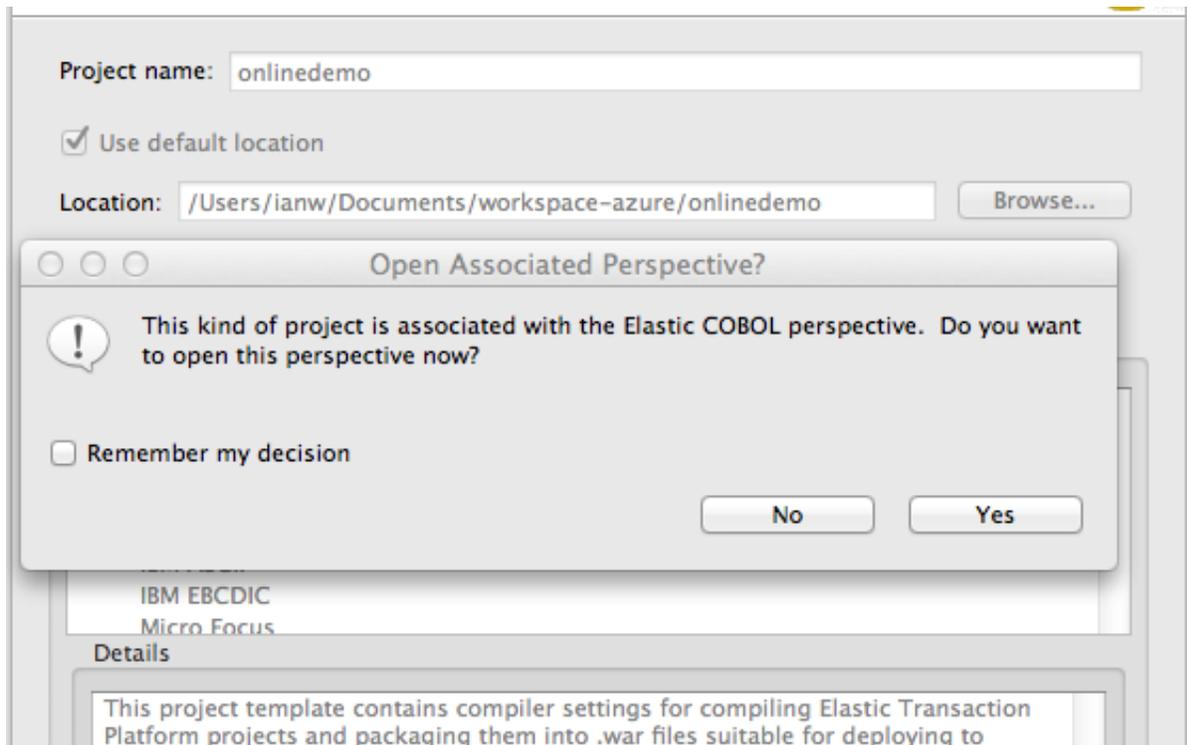
Right click the Project Explorer and choose 'New->Project':



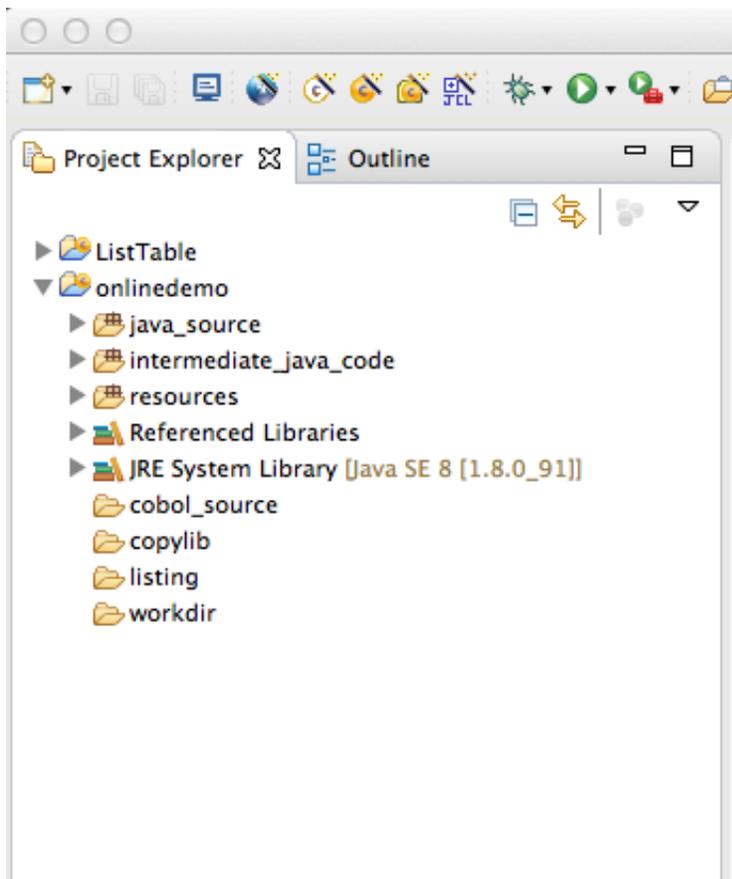
Choose 'COBOL Project' and click Next:



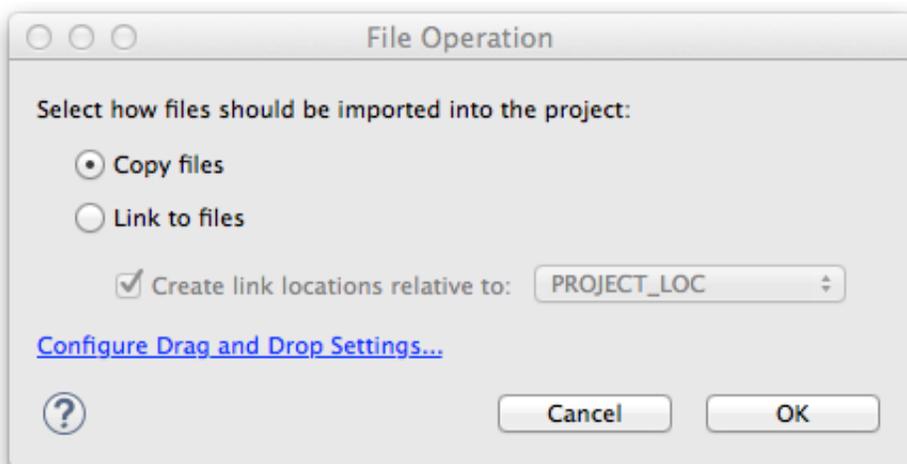
Name the project online demo, expand the 'Compatibility' option under 'Project type' and choose 'Elastic Transaction Platform WAR Template'.
Click Finish and click Yes to open the Elastic COBOL perspective:



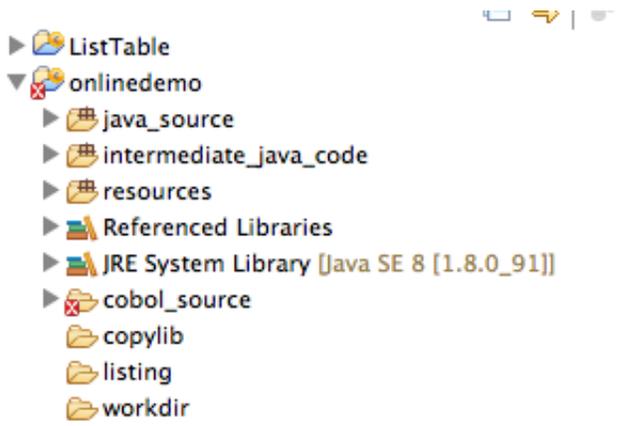
Expand the onlinedemo project:



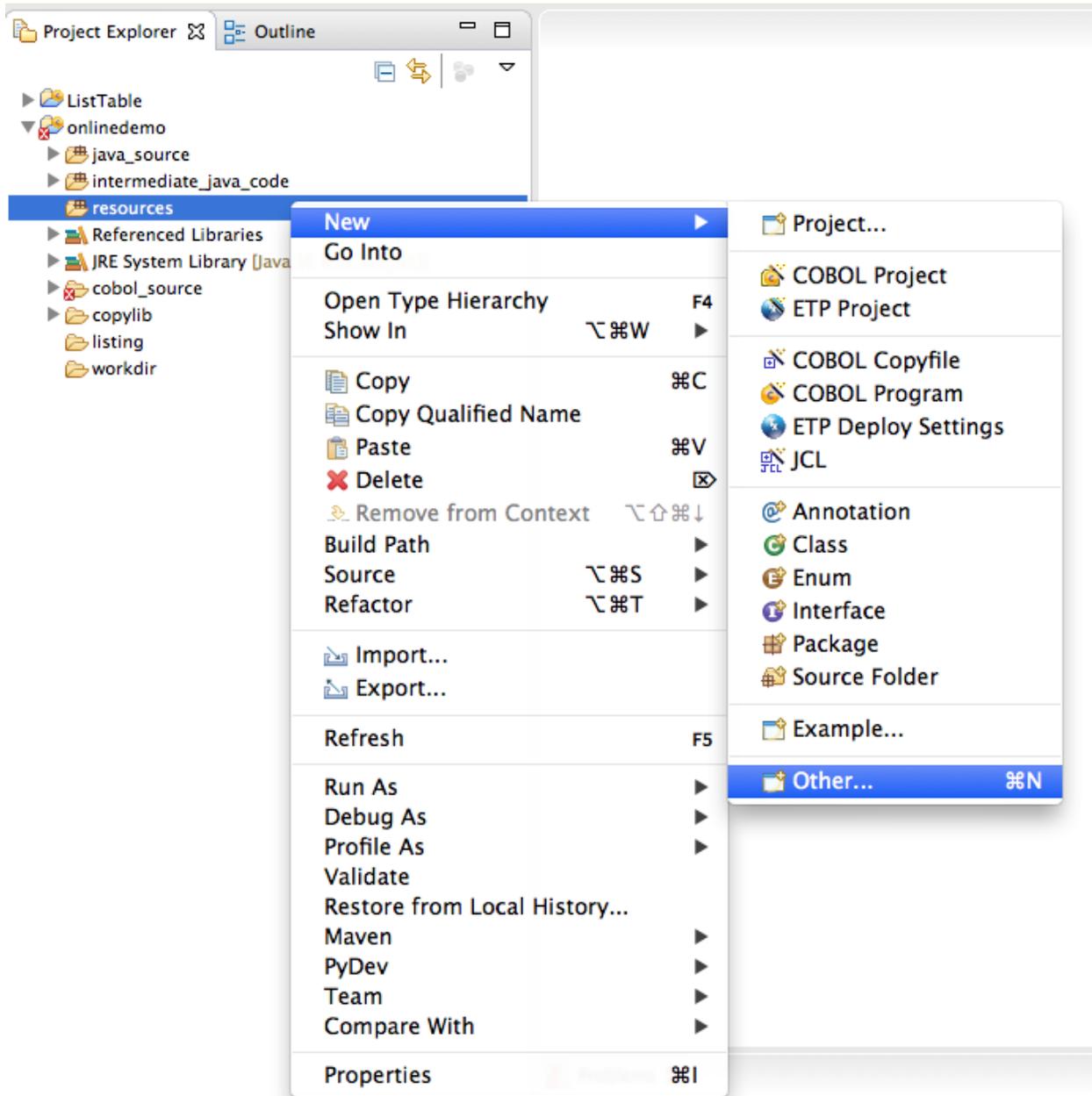
From your source bundle drag onldemo.cbl into the cobol_source folder and choose to 'Copy files' and click OK:



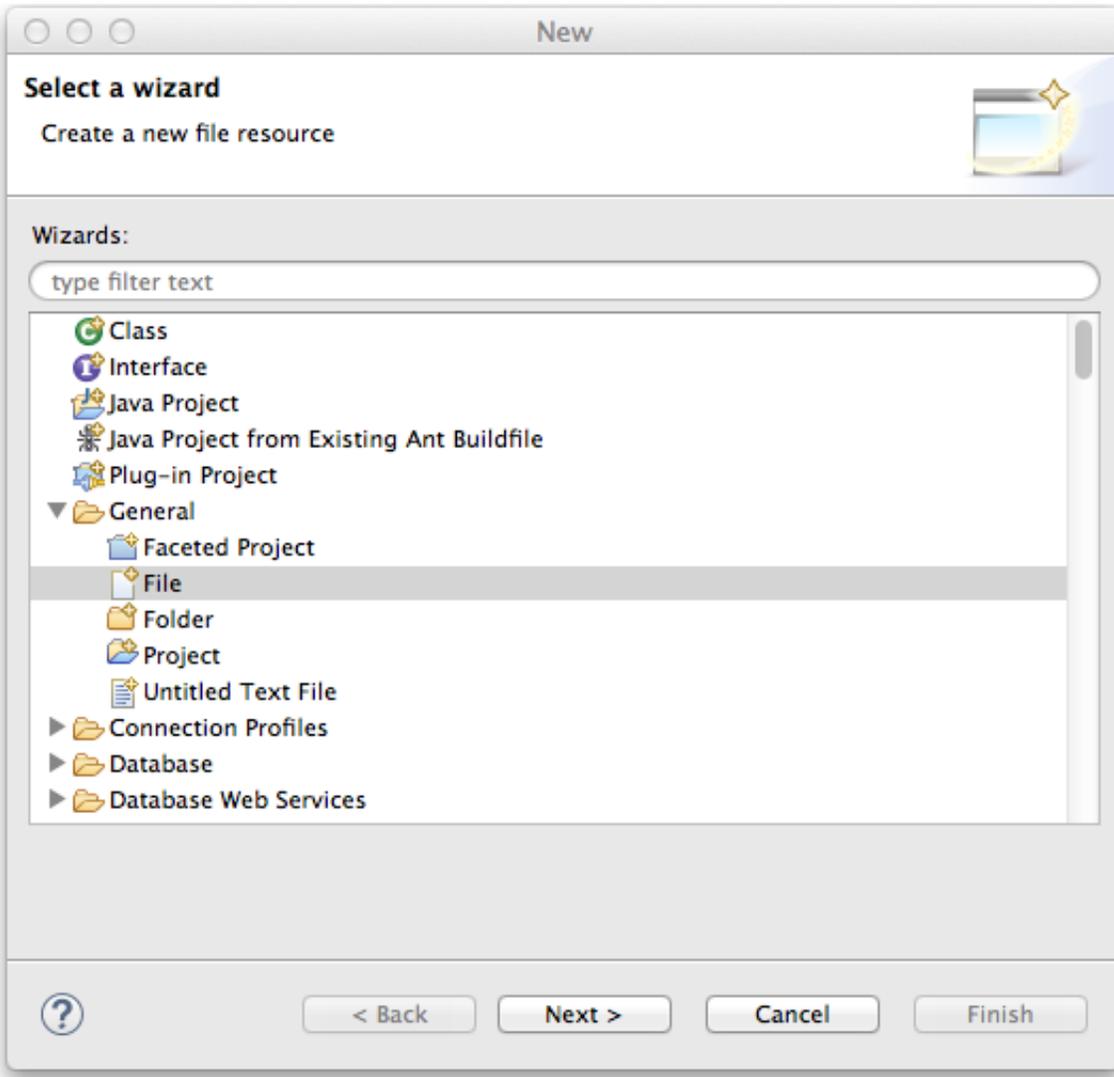
You'll note at this stage there are errors in the compile, we'll fix this with additional source files and steps:



Drag the dclgenf.cpy file into the copy lib folder, choosing 'Copy files' again.
Right click the resources folder and 'New->Other' :



Select General->File and click Next:



Name the file **ecobol.dir** and click Finish.

Drag the ecobol.dir from your source bundle into the resources folder. Choose to 'Copy files' and confirm 'yes' for the file replacement:

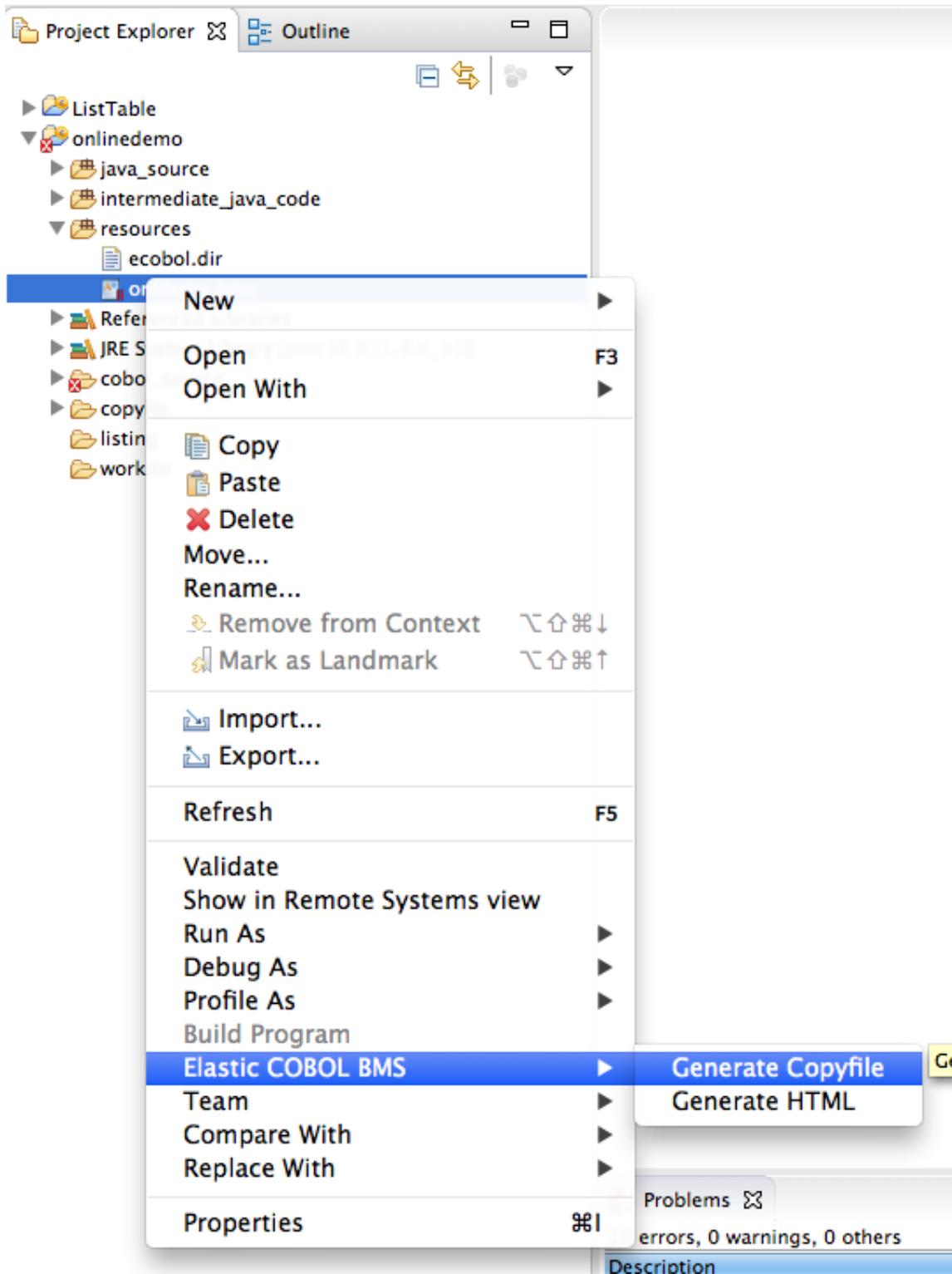


Click Yes to perform a project rebuild.

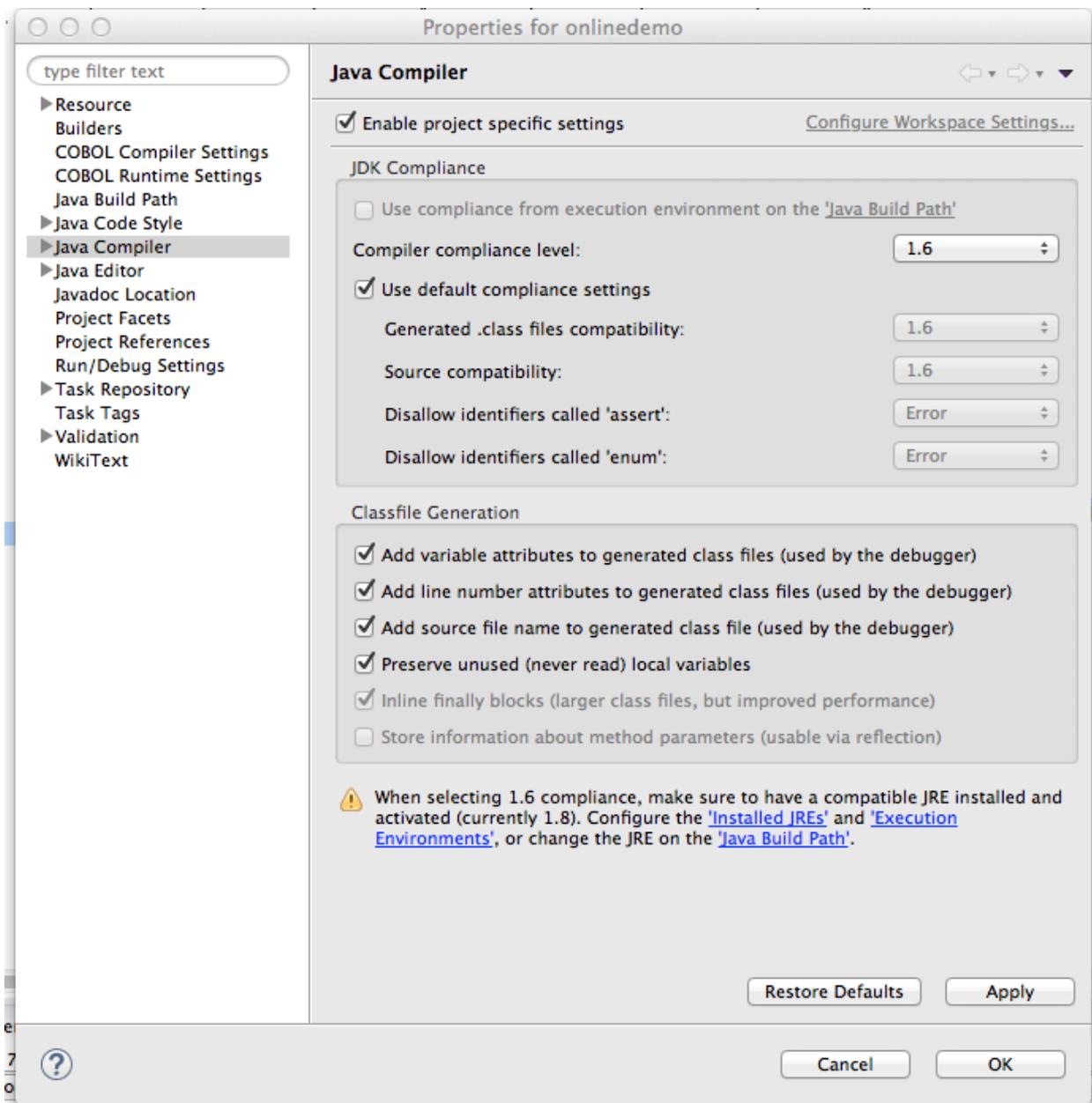
Close the ecobol.dir window.

Drag the onldemo.bms file into the resources folder and choose to 'Copy files'.

Right click the onldemo.bms file and select 'Elastic COBOL BMS->Generate Copyfile' :



Right click the onlinedemo Project and choose properties, then click 'Java Compiler'. Check 'Enable project specific settings' and choose 1.6 and the Compiler compliance level:

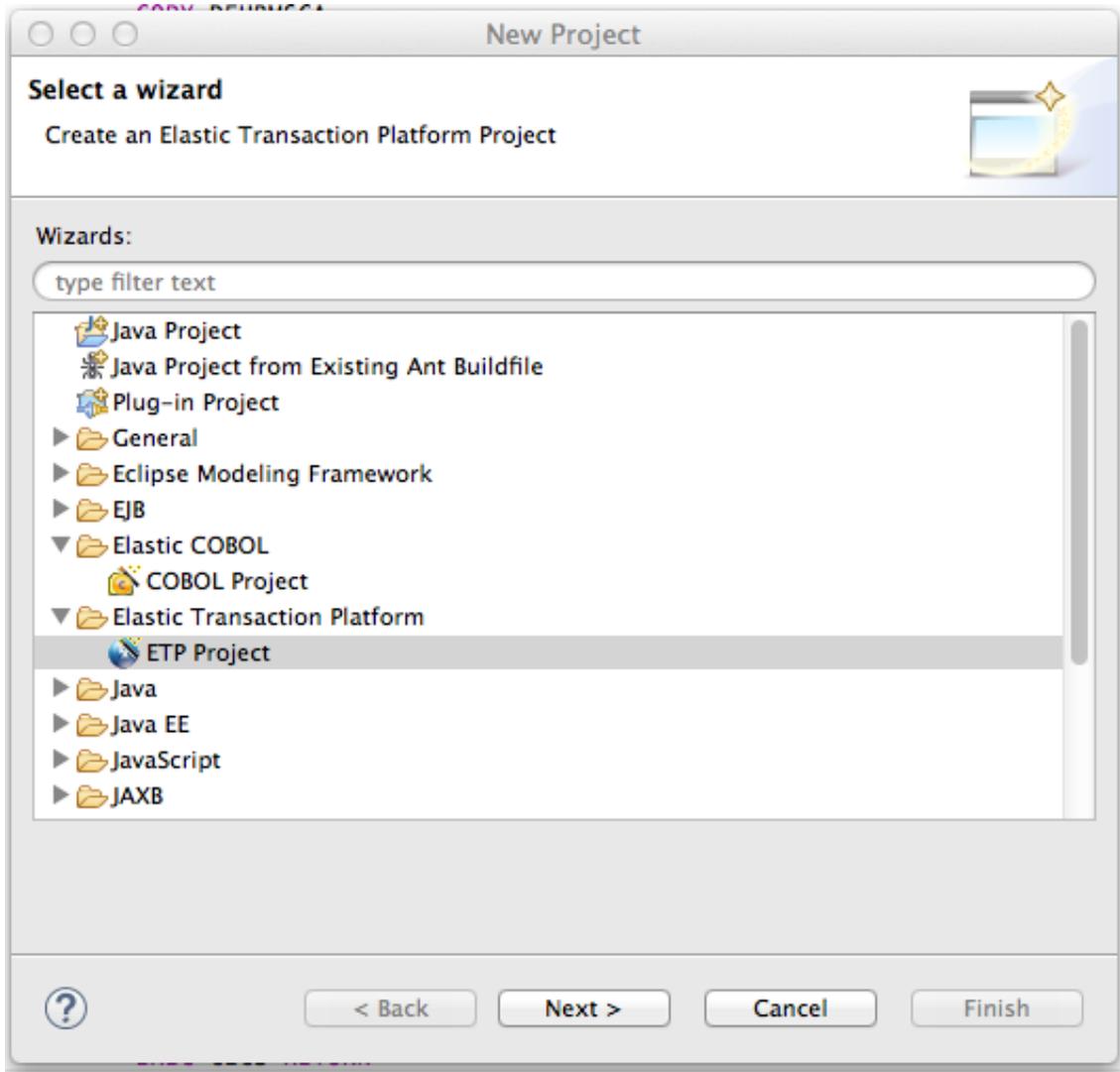


Click OK, then click Yes to perform a project rebuild.

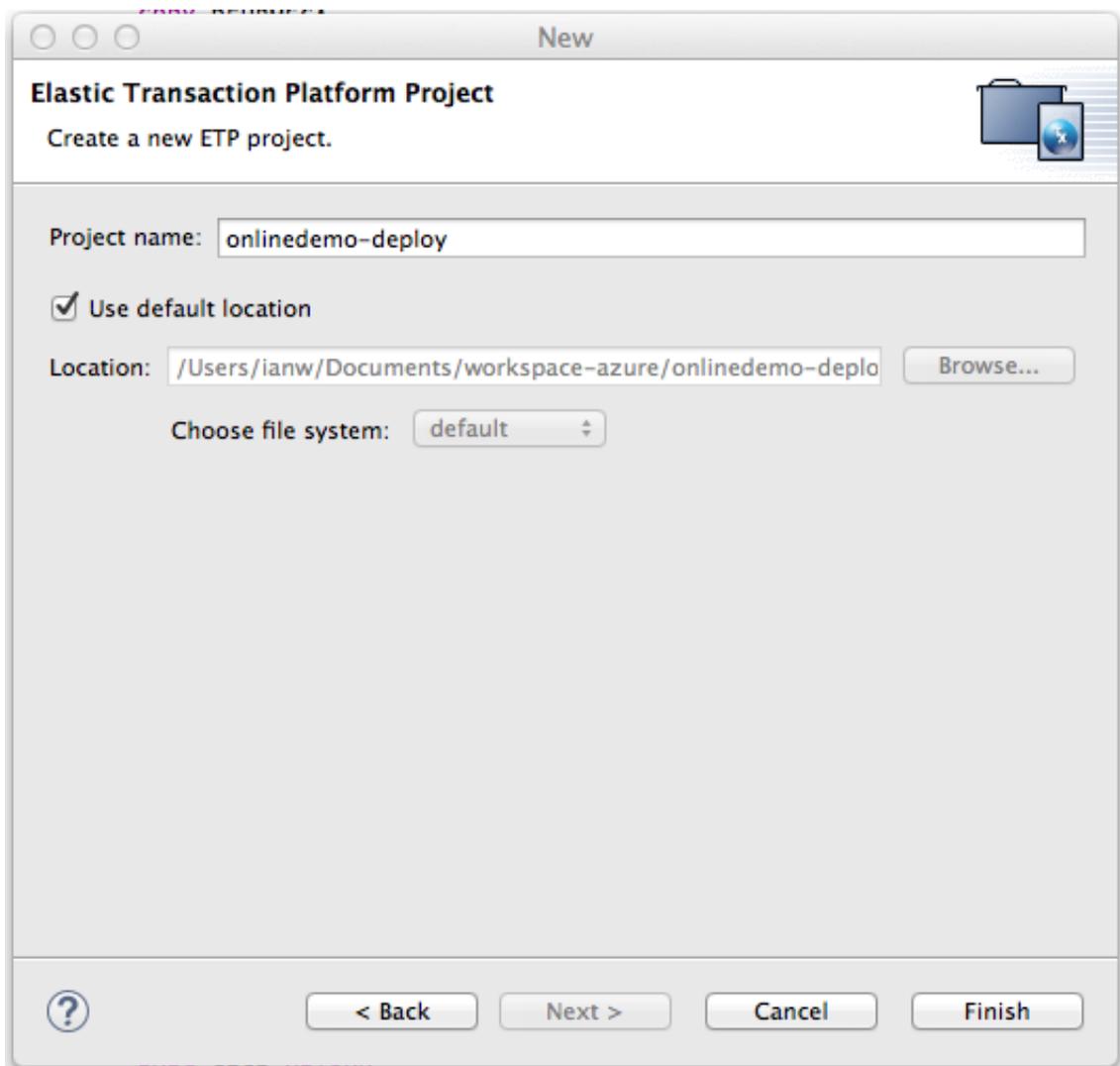
Building the deployment project

Right click the Project Explorer and select New->Project... :

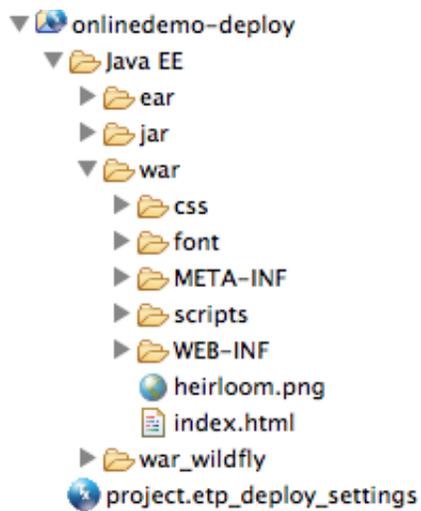
Choose Elastic Transaction Platform/ETP Project and click Next:



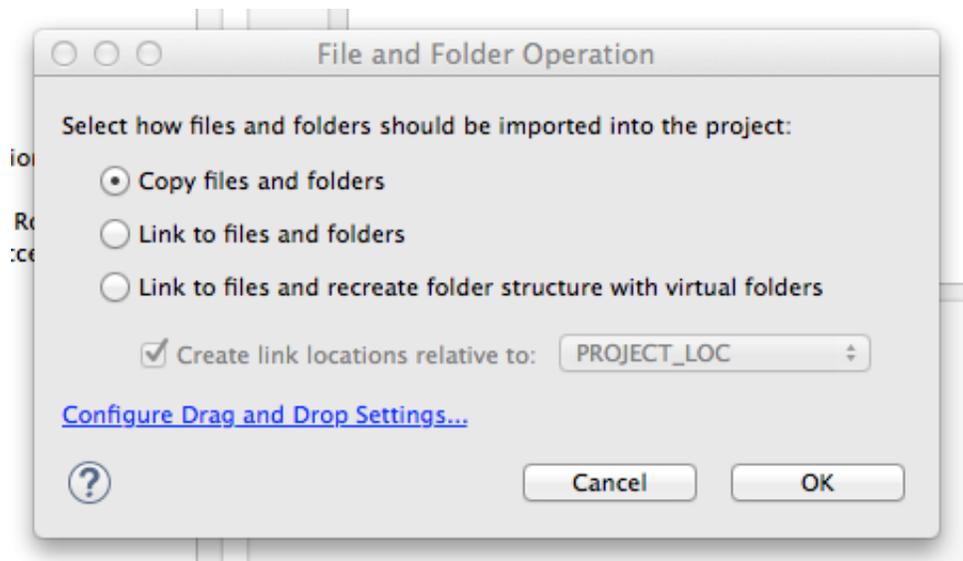
Name the project 'onlinedemo-deploy' and click Finish.



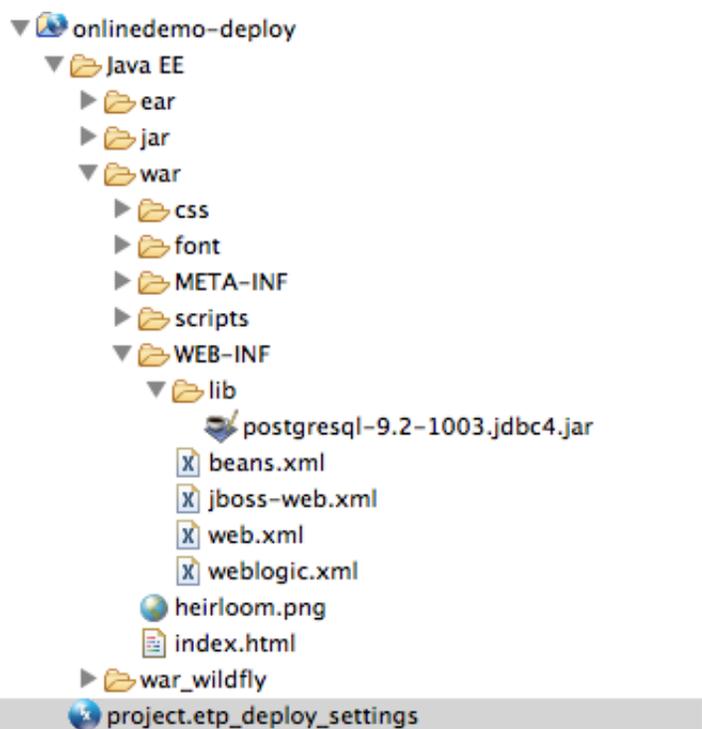
Expand the onlinedemo-deploy project:



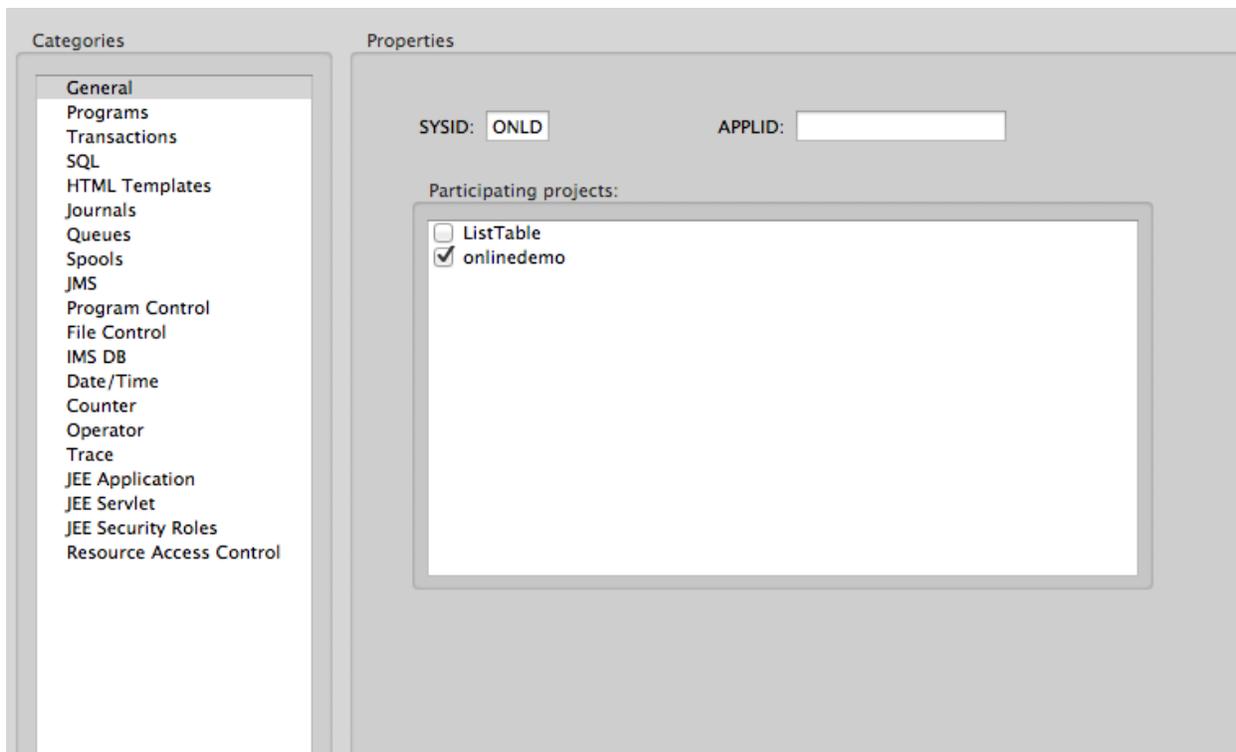
Drag the lib folder from your source bundle onto the WEB-INF directory and choose to 'Copy files and folders':



Expand the lib folder and your project structure should look like this:

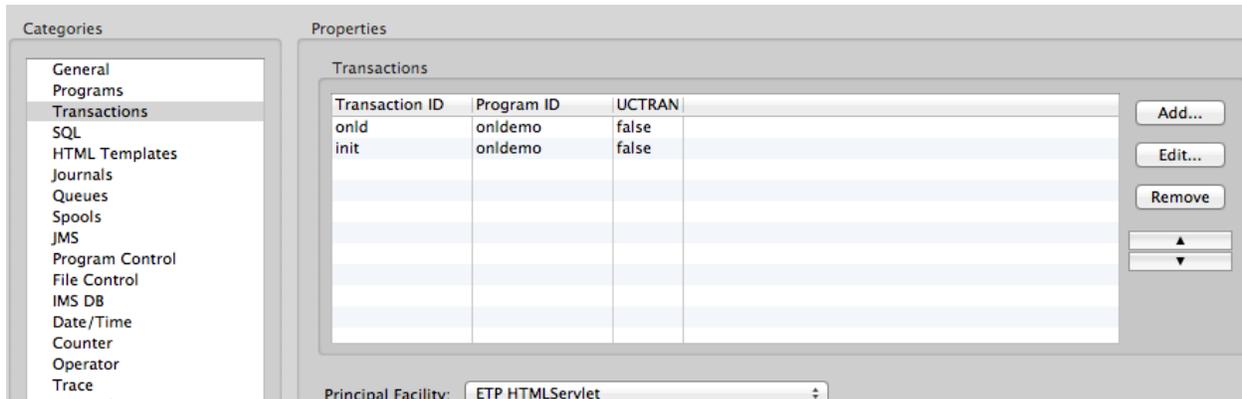


In the Elastic Transaction Platform Deploy settings Editor set the SYSID to ONLD and check the onlinedemo project:

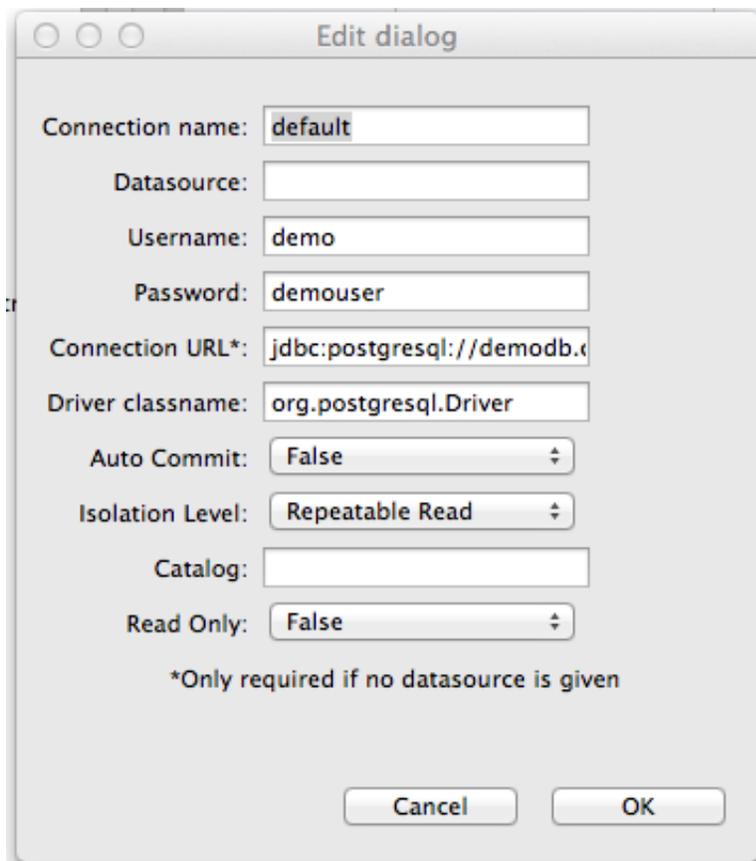


Click Apply.

Click the Transactions category and add two transactions, ONLD and INIT both pointing to the program onlinedemo:



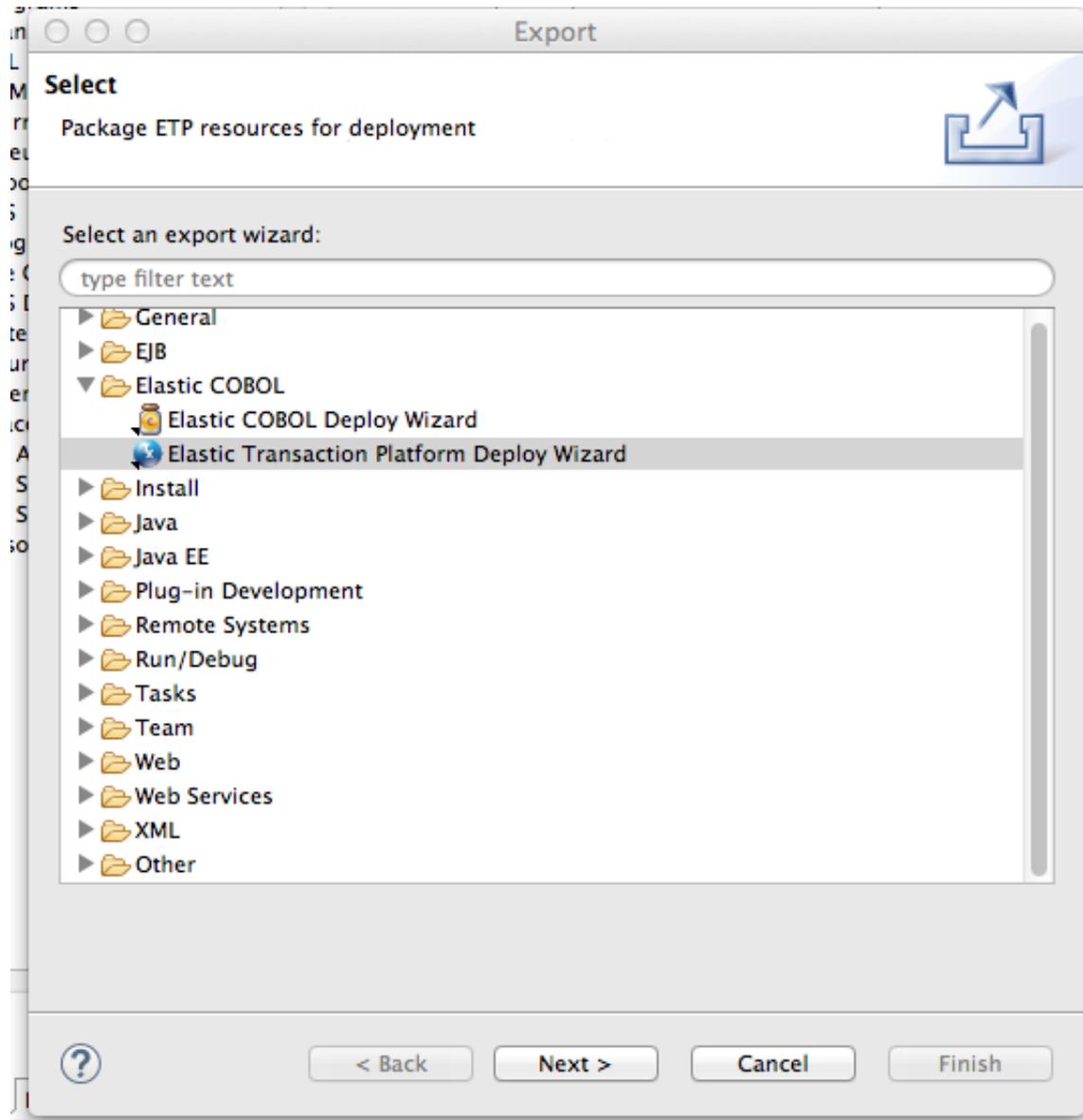
Click the SQL category and click Add...:



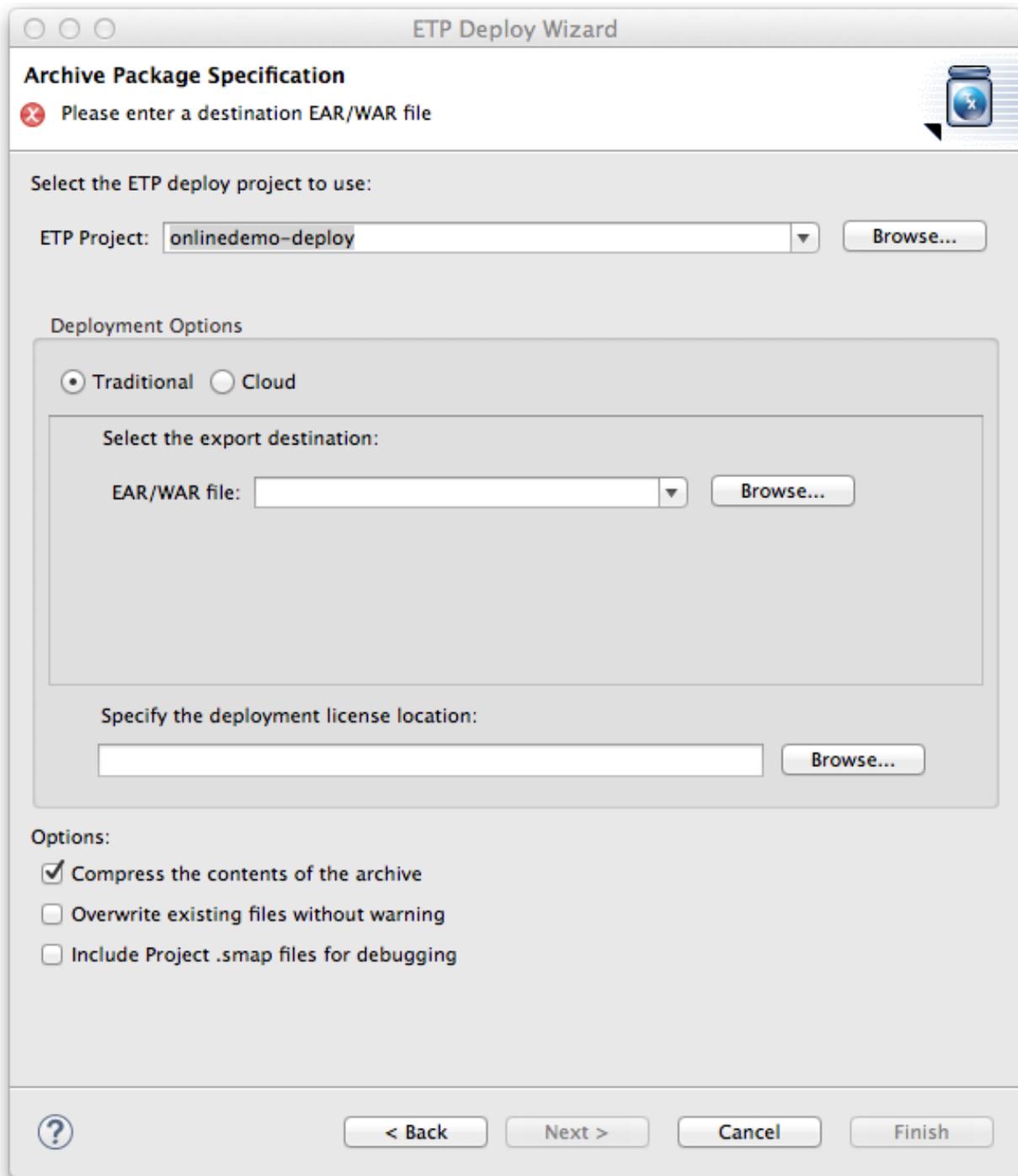
Fill in username,password, the connection URL (the same URL you used for the ListTable.cbl

code and the driver classname as “org.postgresql.Driver” (no quotes).
Click OK.
Click Apply.

You are now ready to export the converted CICS application.
Right click the onlinedemo-deploy Project and select Export...:



Select the 'Elastic Transaction Platform Deploy Wizard' and click Next:



Click the 'Cloud' radio button:

ETP Deploy Wizard

Archive Package Specification

Define what resources to package

Select the ETP deploy project to use:

ETP Project:

Deployment Options

Traditional Cloud

Select an Instance:

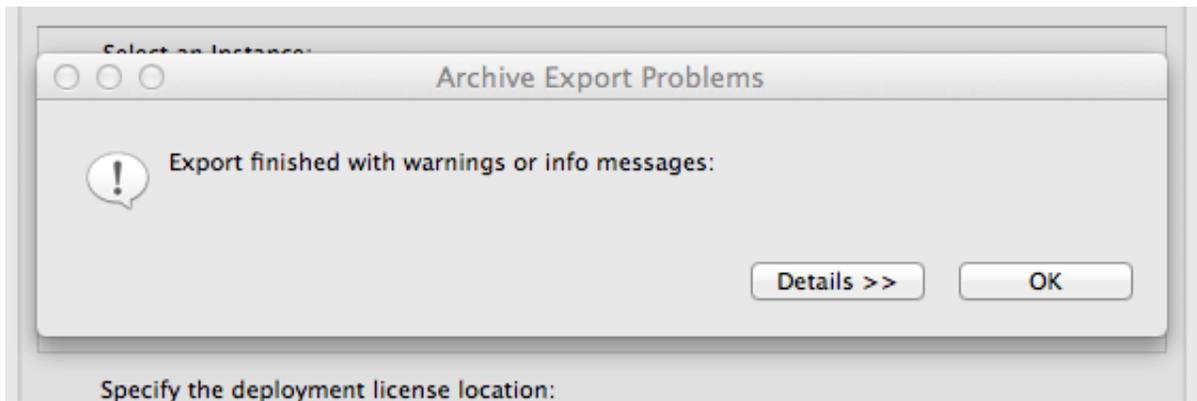
DNS	Product	Owner	Port
cicsdemo.apps....	Heirloom PaaS (Bronze)	demo@...	8080

Specify the deployment license location:

Options:

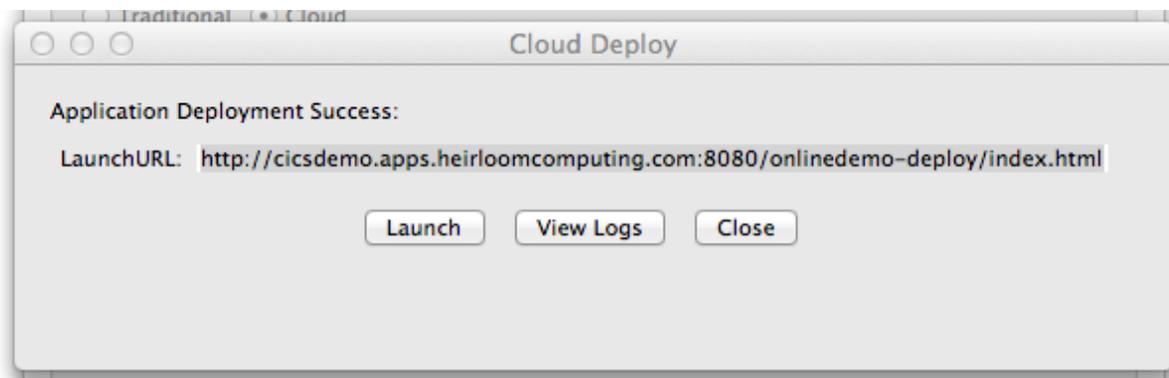
- Compress the contents of the archive
- Overwrite existing files without warning
- Include Project .smap files for debugging

Select your application instance and click Deploy:



Click 'OK' to clear the info messages dialog.
The deploy wizard will deploy the application to your PaaS instance, this may take several seconds.

Once it is done you will see this dialog:



Click the 'Launch' button:



Your ETP Project Home Page

This is the **index.html** page for your deployed Elastic Transaction Platform project. Change this page or go direct

- <http://cicsdemo.apps.heirloomcomputing.com:8080/onlinedemo-deploy/servlet>

The **index.html** and other static content such as the cascading style sheets that control the look and feel of your sc
/servlet portion of the URL in the ETP Deploy Settings file. For servlet container deployments the URL is determ

Control will transfer to this region's INIT transaction screen in 4 seconds.

See support.heirloom.cc for more information.

This will bring up a browser window with your applications index.html. You may wait 10 seconds or click the url for the servlet to start the application:

The screenshot shows a terminal window with a black background and green text. The main area contains the following text and fields:

- SAMPLE SCREEN** (in red)
- DATE :** (in red)
- TIME :** (in red)
- NAME :** followed by an input field containing a single underscore character.
- PHONE :** followed by an input field containing a single underscore character.
- MESSAGE : PROVIDE NECESSARY DETAILS** (in red)
- F5=INSERT F3=BACK** (in red)

On the right side of the terminal, there is a control panel with the following buttons:

- PF1, PF2
- PF3, PF4
- PF5, PF6
- PF7, PF8
- PF9, PF10
- PF11, PF12
- PA1, PA2
- PA3
- Clear
- Reset
- Enter

Enter a name, and a phone number (Ian , 512-555-1234) and click PF5:

The image shows a terminal window with a black background and green text. The main area contains the following text:

SAMPLE SCREEN

DATE:

TIME:

NAME : IAN

PHONE : 512-555-1234

MESSAGE : PROVIDE NECESSARY DETAILS

F5=INSERT F3=BACK

The right-hand panel contains the following controls:

- PF1, PF2
- PF3, PF4
- PF5, PF6
- PF7, PF8
- PF9, PF10
- PF11, PF12
- PA1, PA2
- PA3
- Clear
- Reset
- Enter

If everything is configured correctly you'll see an 'INSERT SUCCESFULL' message:



You can enter more data by first pressing 'Clear', then enter the data and press PF5.

You can now read the data using JCL by following the Deploy EBP sample for Heirloom PaaS guide