# 3. Building the sample CICS project for Azure

This assumes you have built the sample EBP project for Azure and have an open, working Eclipse that looks similar to this:
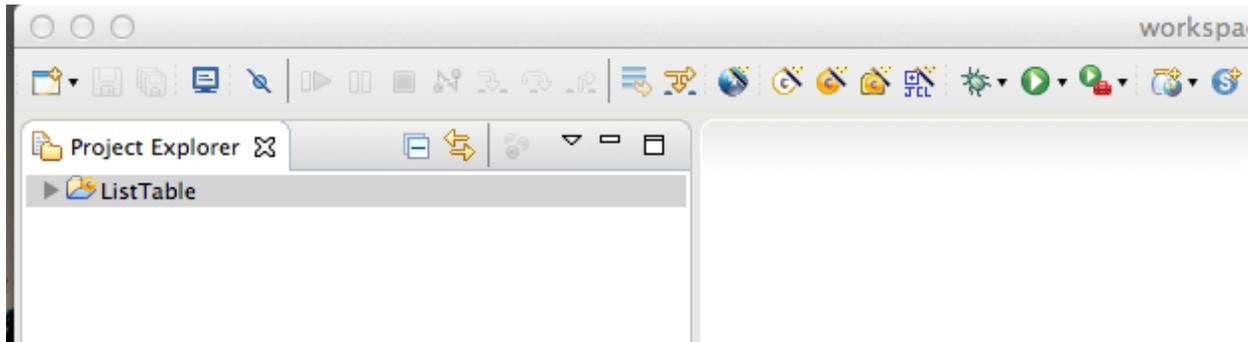


**Building the ETP project**

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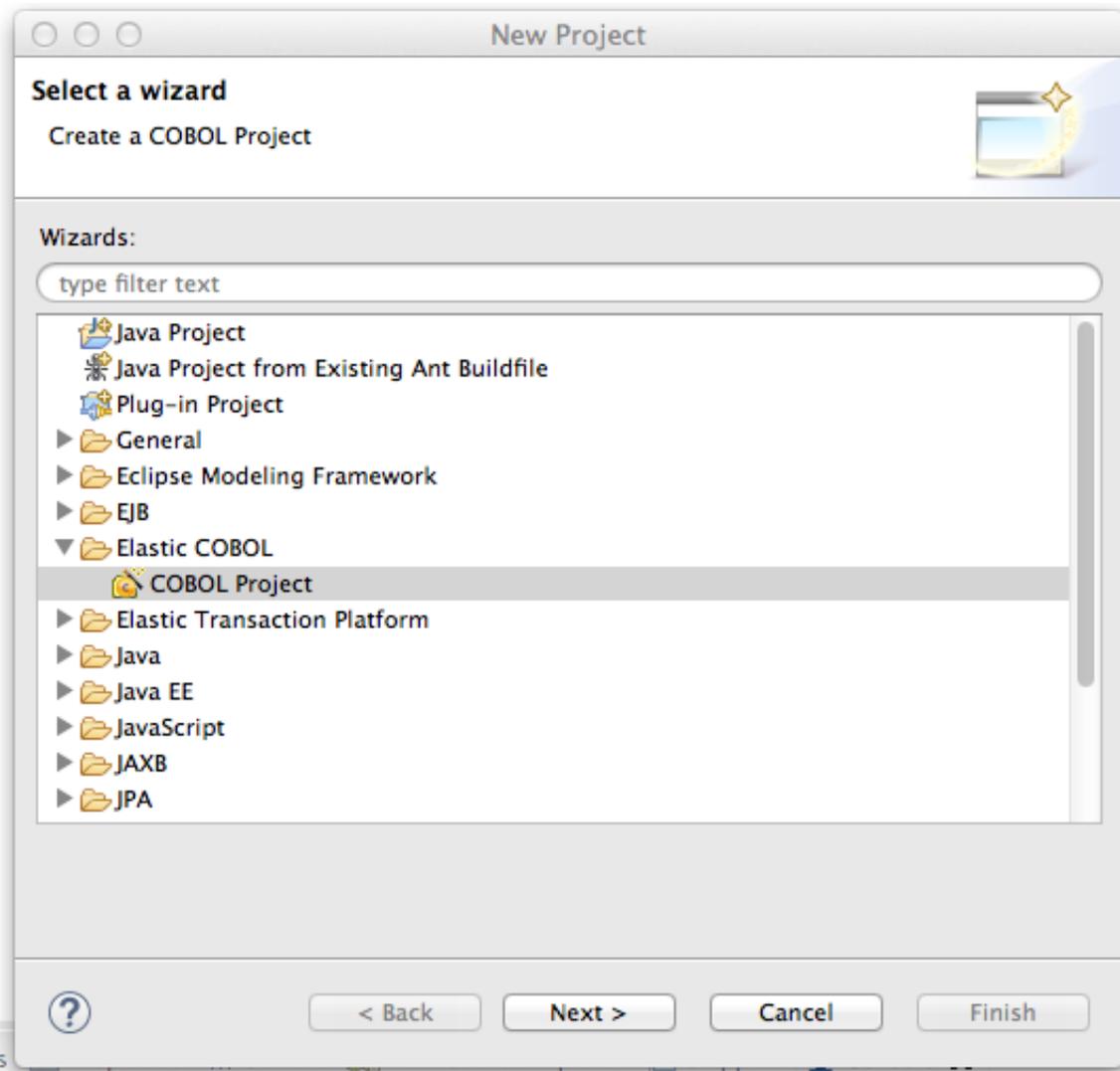
Choose 'COBOL Project' and click Next:
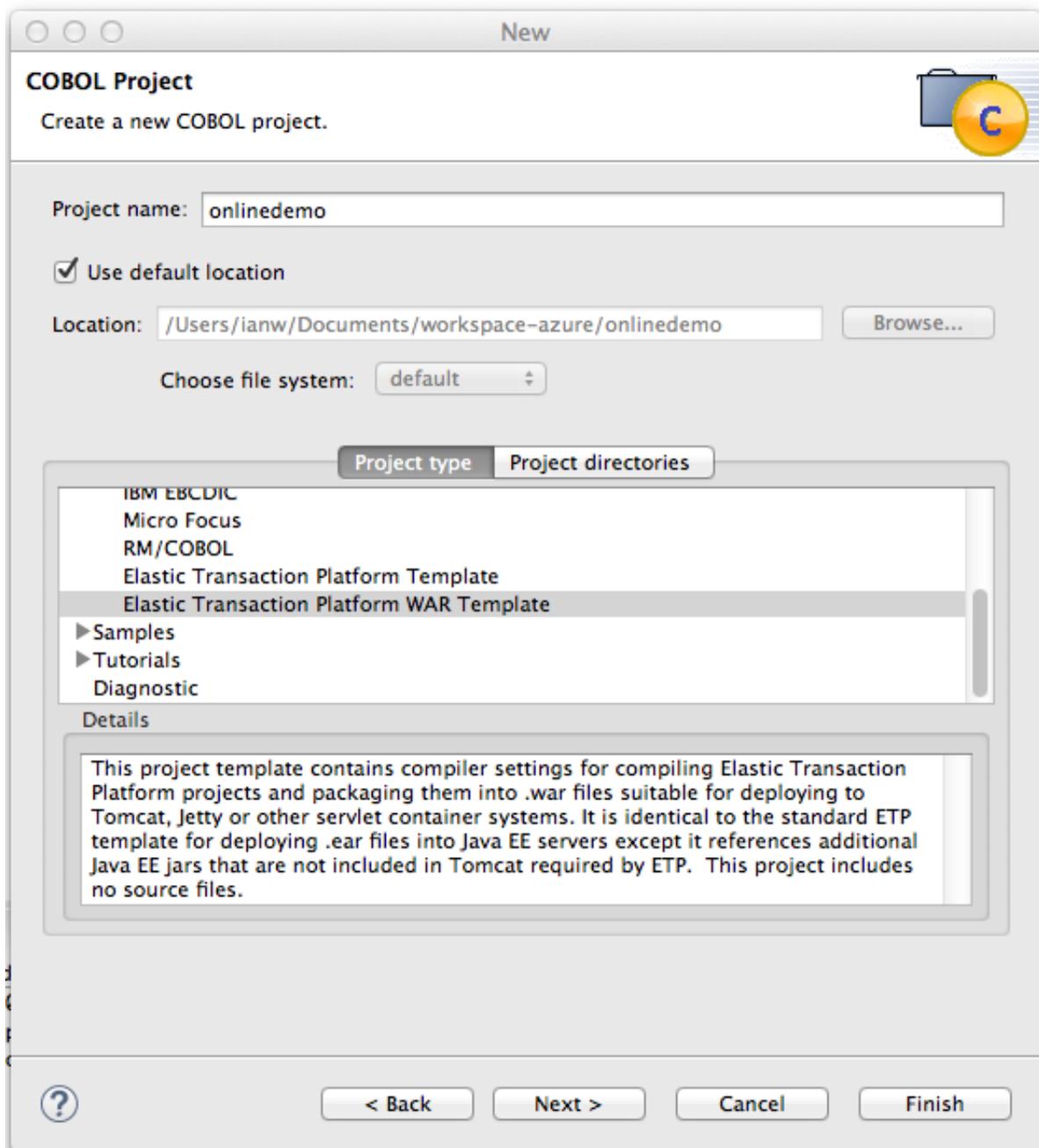
Name the project online demo, expand the 'Compatibility' option under 'Project type' and choose 'Elastic Transaction Platform WAR Template'.
Click Finish and click Yes to open the Elastic COBOL perspective:

Project name: onlinedemo

☑ Use default location

Location: /Users/ianw/Documents/workspace-azure/onlinedemo    Browse...

○ ○ ○                    Open Associated Perspective?

(!)    This kind of project is associated with the Elastic COBOL perspective.  Do you want
       to open this perspective now?

☐ Remember my decision

                                                    No              Yes

IBM EBCDIC
Micro Focus
Details

This project template contains compiler settings for compiling Elastic Transaction
Platform projects and packaging them into .war files suitable for deploying to

Expand the onlinedemo project:

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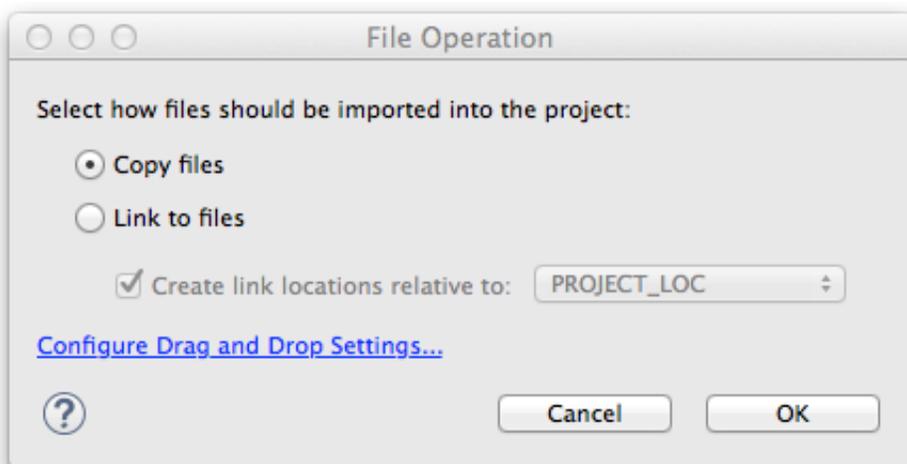


You'll note at this stage there are errors in the compile, we'll fix this with additional source files and steps:

▶ 🗂 ListTable
▼ 🗂 onlinedemo
   ▶ 📁 java_source
   ▶ 📁 intermediate_java_code
   ▶ 📁 resources
   ▶ 📚 Referenced Libraries
   ▶ 📚 JRE System Library [Java SE 8 [1.8.0_91]]
   ▶ 📁 cobol_source
     📁 copylib
     📁 listing
     📁 workdir
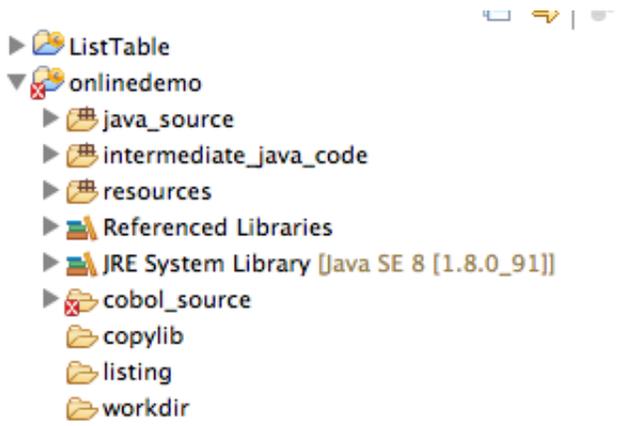
Drag the dclgenf.cpy file into the copy lib folder, choosing 'Copy files' again.
Right click the resources folder and 'New->Other' :
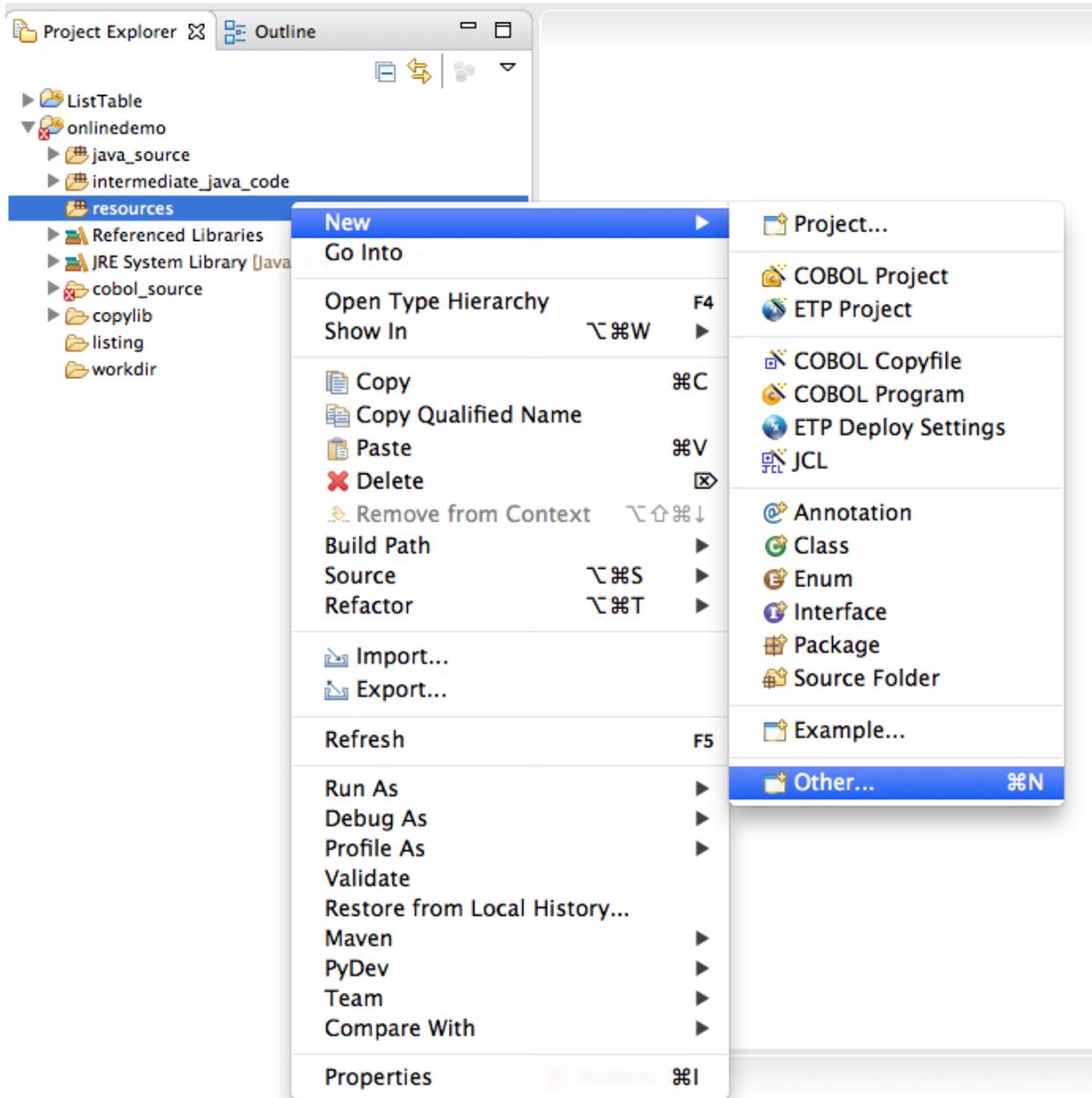
Select General->File and click Next:

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:

onlinedemo/resources/ecobol.dir exists. Do you wish to overwrite?

di

| Yes To All | No | Cancel | Yes |
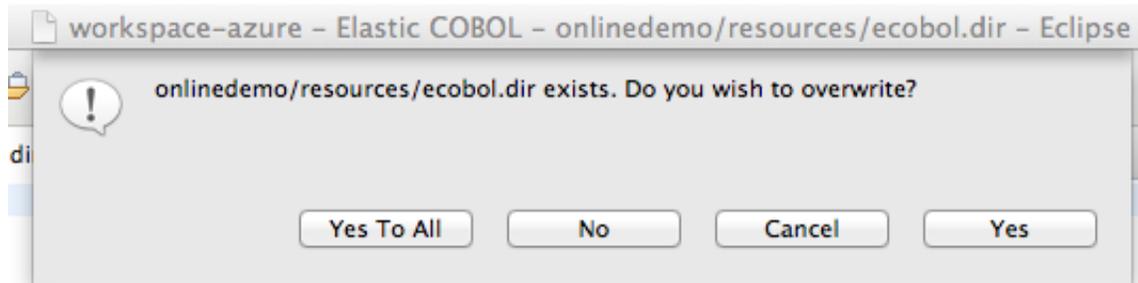
Click Yes to perform a project rebuild.
Close the ecobol.dir window.

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' :
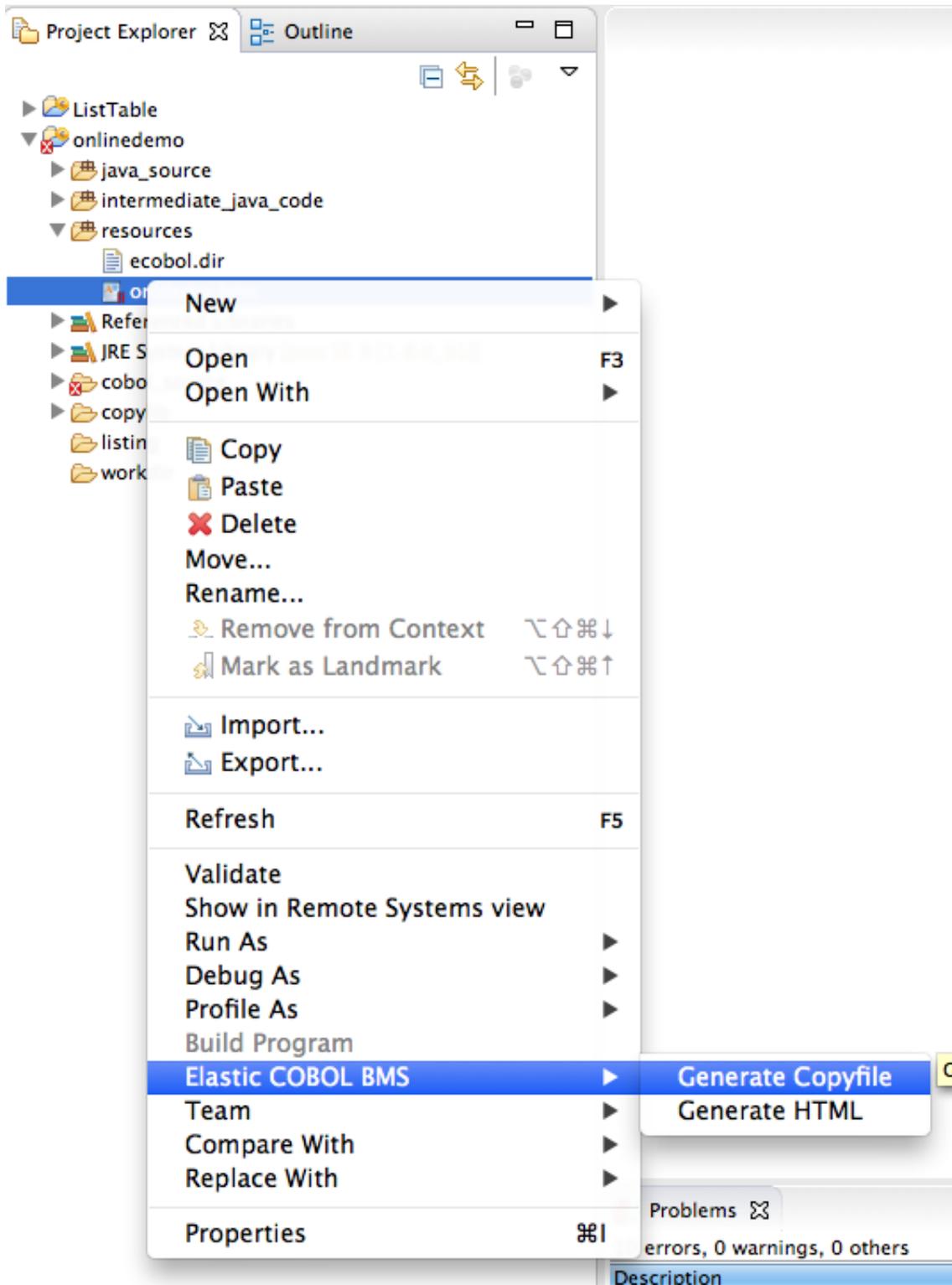
Right click the onlinedemo Project and choose properties,then click 'Java Compiler'.

Check 'Enable project specific settings' and choose 1.6 and the Compiler compliance level:
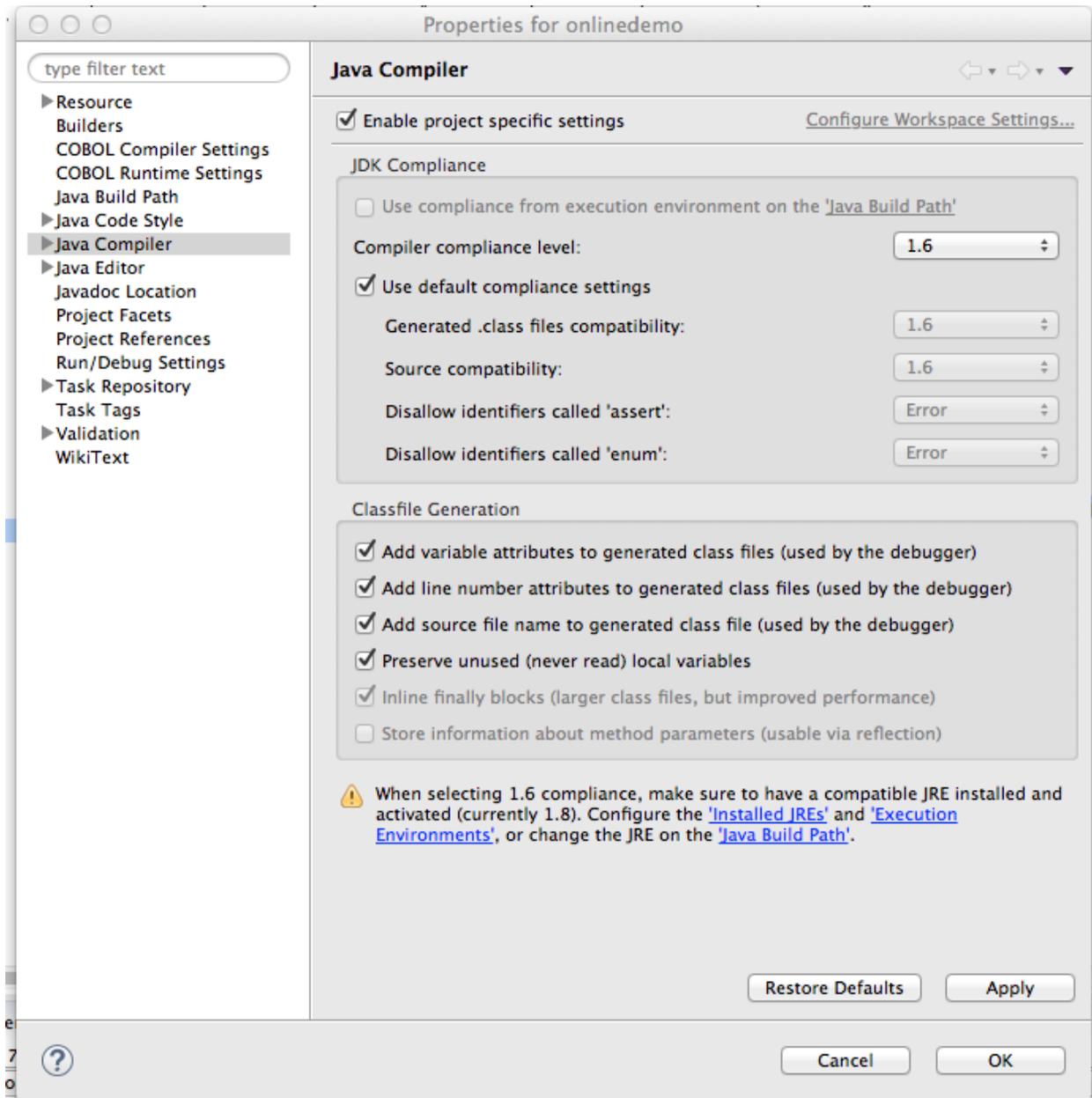


Click OK, then click Yes to perform a project rebuild.

**Building the deployment project**

Right click the Project Explorer and select New->Project... :
Choose Elastic Transaction Platform/ETP Project and click Next:
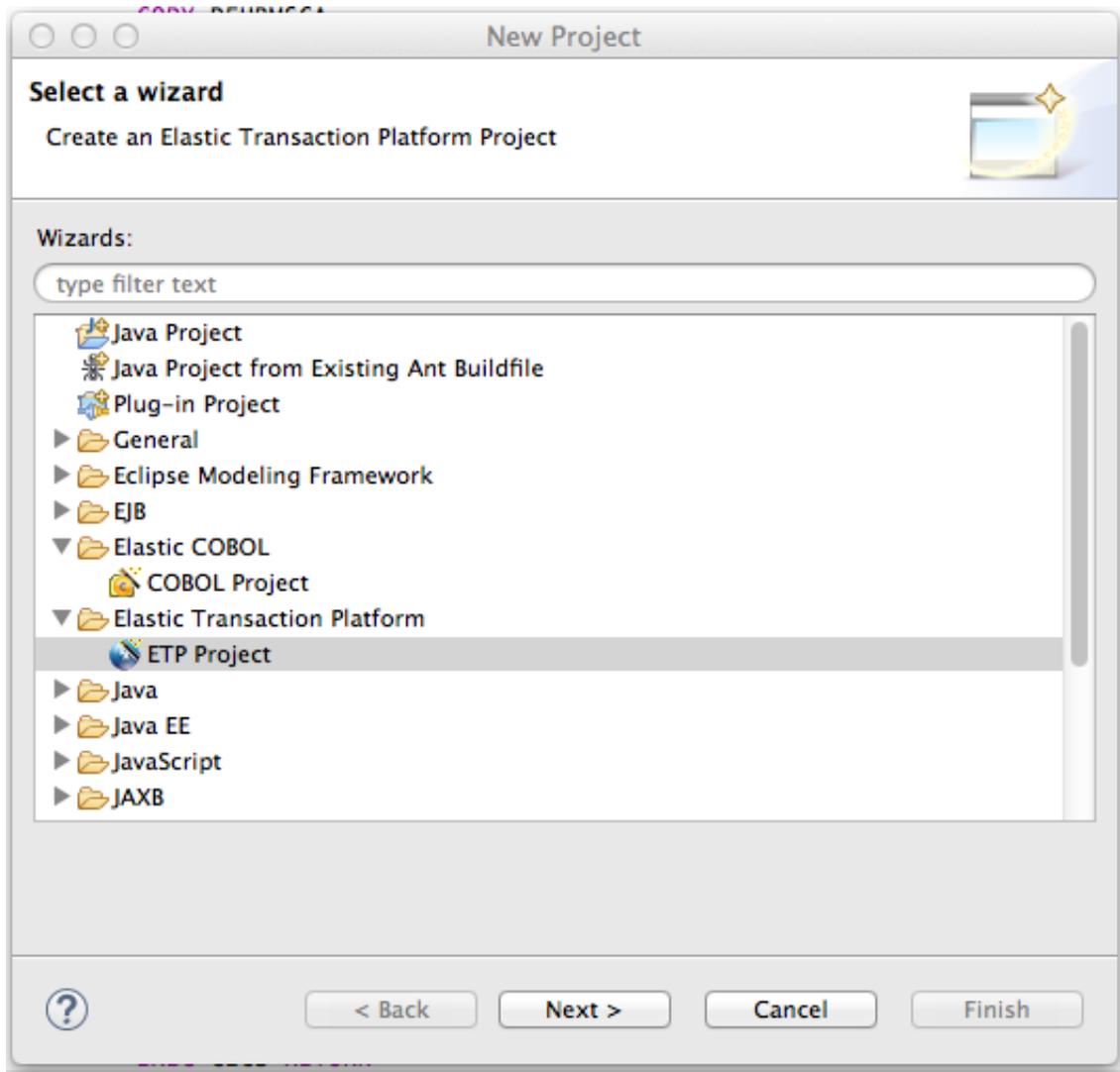
Name the project 'onlinedemo-deploy' and click Finish.

Expand the onlinedemo-deploy project:

onlinedemo-deploy
  Java EE
    ear
    jar
    war
      css
      font
      META-INF
      scripts
      WEB-INF
      heirloom.png
      index.html
    war_wildfly
  project.etp_deploy_settings
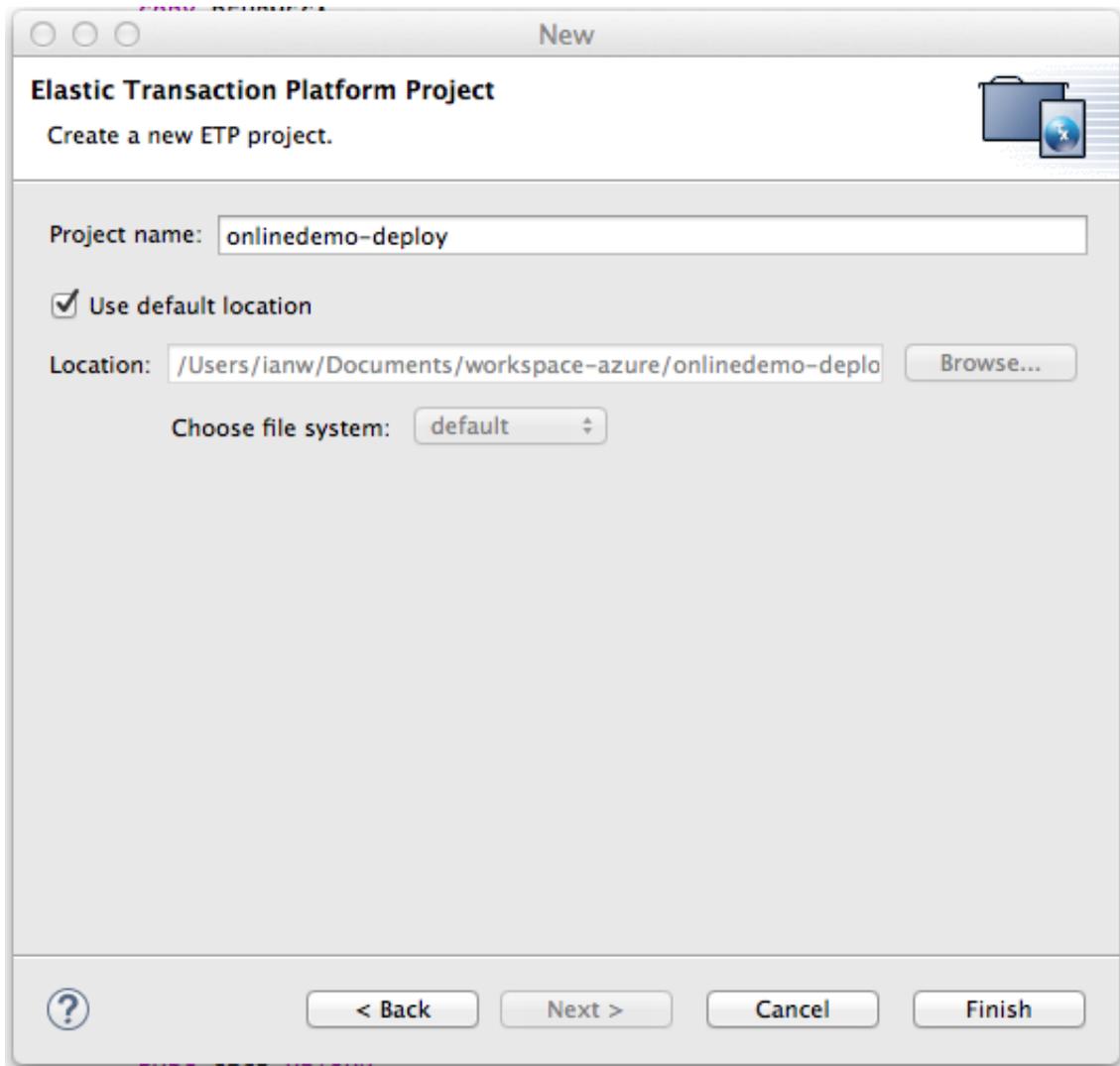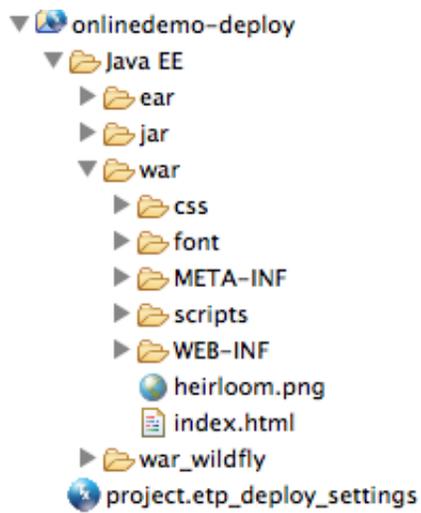
Drag the lib folder from your source bundle onto the WEB-INF directory and choose to 'Copy files and folders':

File and Folder Operation

Select how files and folders should be imported into the project:

io
  ● Copy files and folders

R(
:c(  ○ Link to files and folders

  ○ Link to files and recreate folder structure with virtual folders

      ☑ Create link locations relative to:   PROJECT_LOC   ⇕

Configure Drag and Drop Settings...

(?)                          Cancel          OK
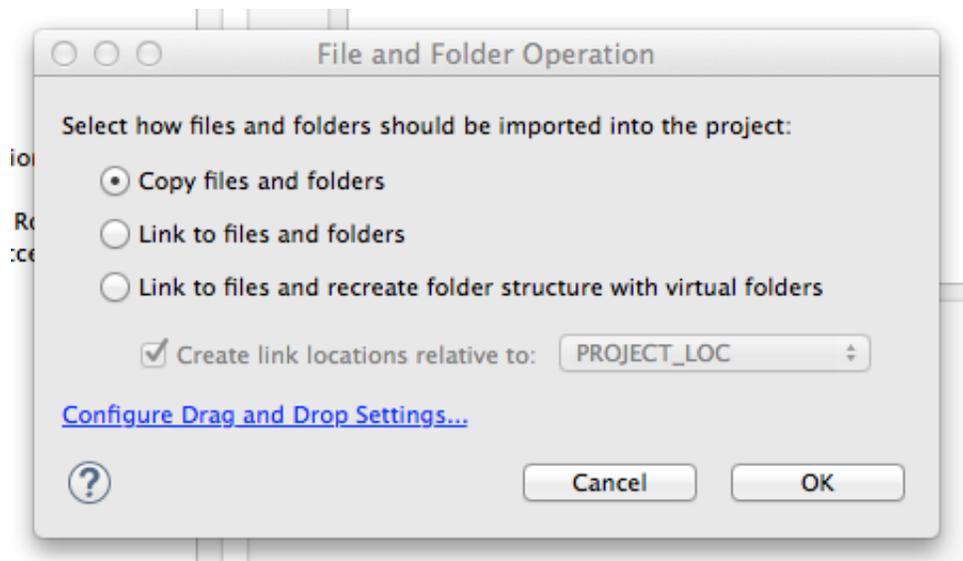
Expand the lib folder and your project structure should look like this:

```
workun
onlinedemo-deploy
    Java EE
        ear
        jar
        war
            css
            font
            META-INF
            scripts
            WEB-INF
                lib
                    sqljdbc41.jar
                X beans.xml
                X jboss-web.xml
                X web.xml
                X weblogic.xml
            heirloom.png
            index.html
        war_wildfly
    project.etp_deploy_settings
```
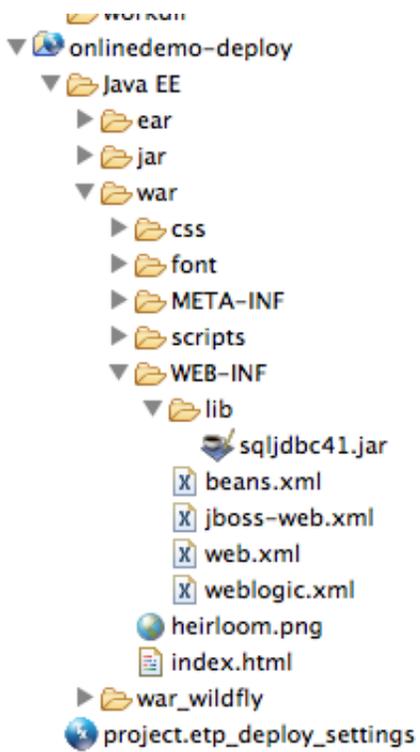
Drag your license file into the WEB-INF folder, choosing to 'Copy files':

```
▼ 🗺 onlinedemo-deploy
   ▼ 📂 Java EE
      ▶ 📂 ear
      ▶ 📂 jar
      ▼ 📂 war
         ▶ 📂 css
         ▶ 📂 font
         ▶ 📂 META-INF
         ▶ 📂 scripts
         ▼ 📂 WEB-INF
            ▼ 📂 lib
                  📜 sqljdbc41.jar
               Ⓧ beans.xml
               📄 elasticcobol.properties
               Ⓧ jboss-web.xml
               Ⓧ web.xml
               Ⓧ weblogic.xml
            🌐 heirloom.png
            📄 index.html
      ▶ 📂 war_wildfly
      🌐 project.etp_deploy_settings
```
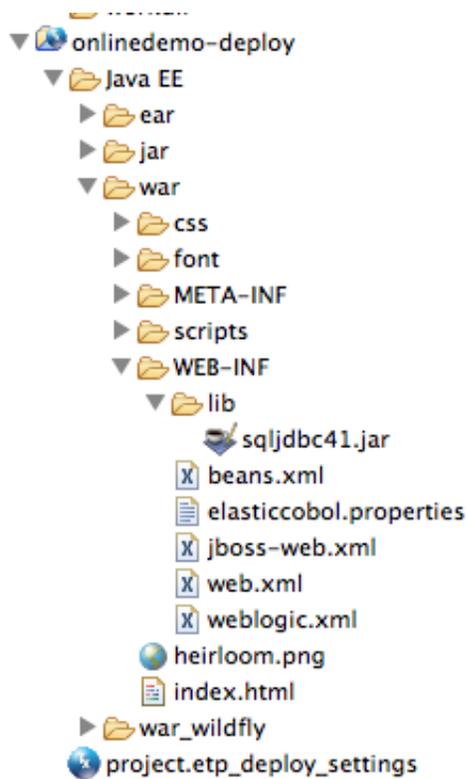
In the Elastic Transaction Platform Deploy settings Editor set the SYSID to ONLD and check the onlinedemo project:
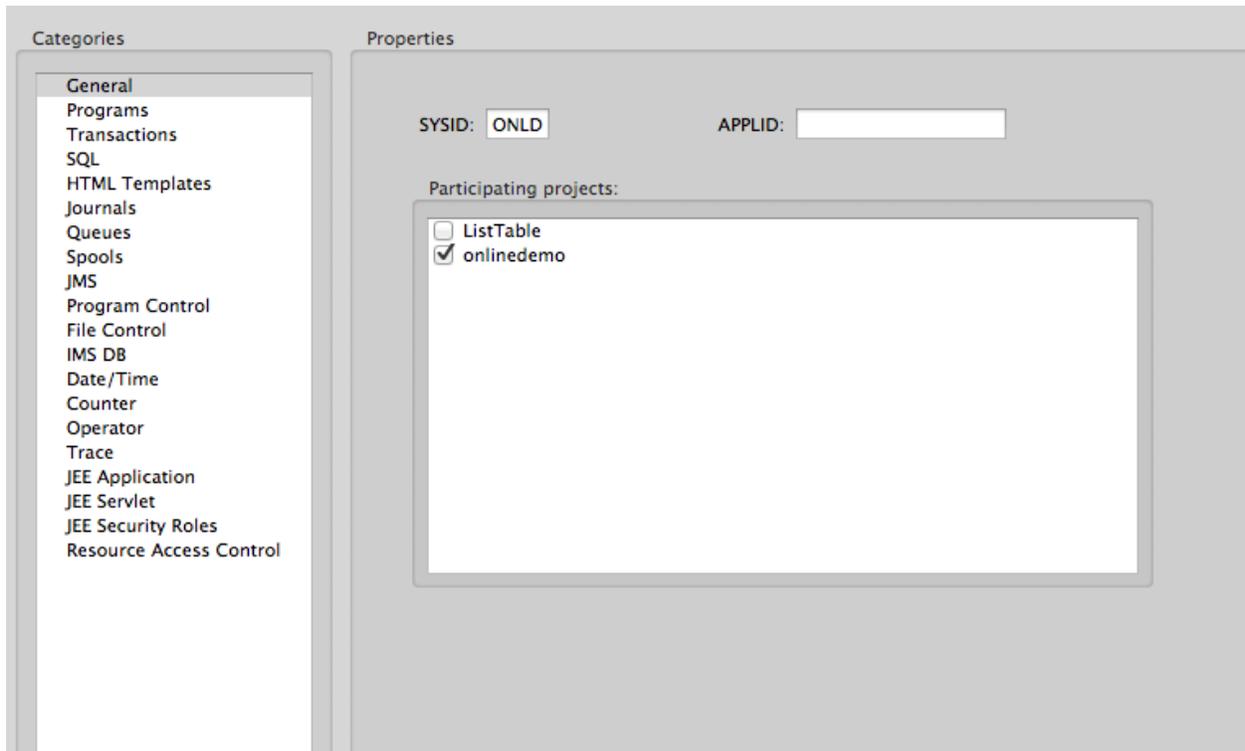
Click Apply.
Click the Transactions category and add two transactions, ONLD and INIT both pointing to the program onlinedemo:
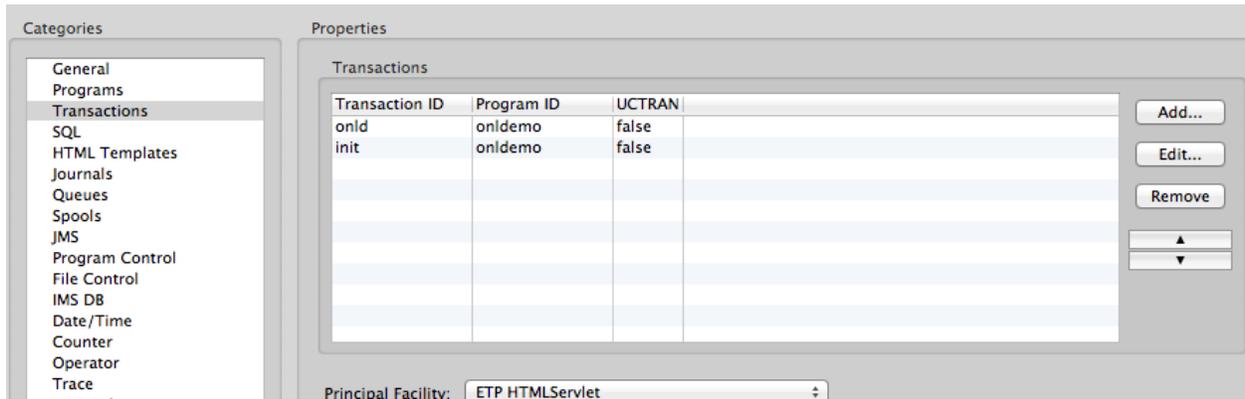


Click the SQL category and click Add…:

Fill in username, password, the connection URL (the same URL you used for the ListTable.cbl code and the driver classname as "com.microsoft.sqlserver.jdbc.SQLServerDriver" (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...:
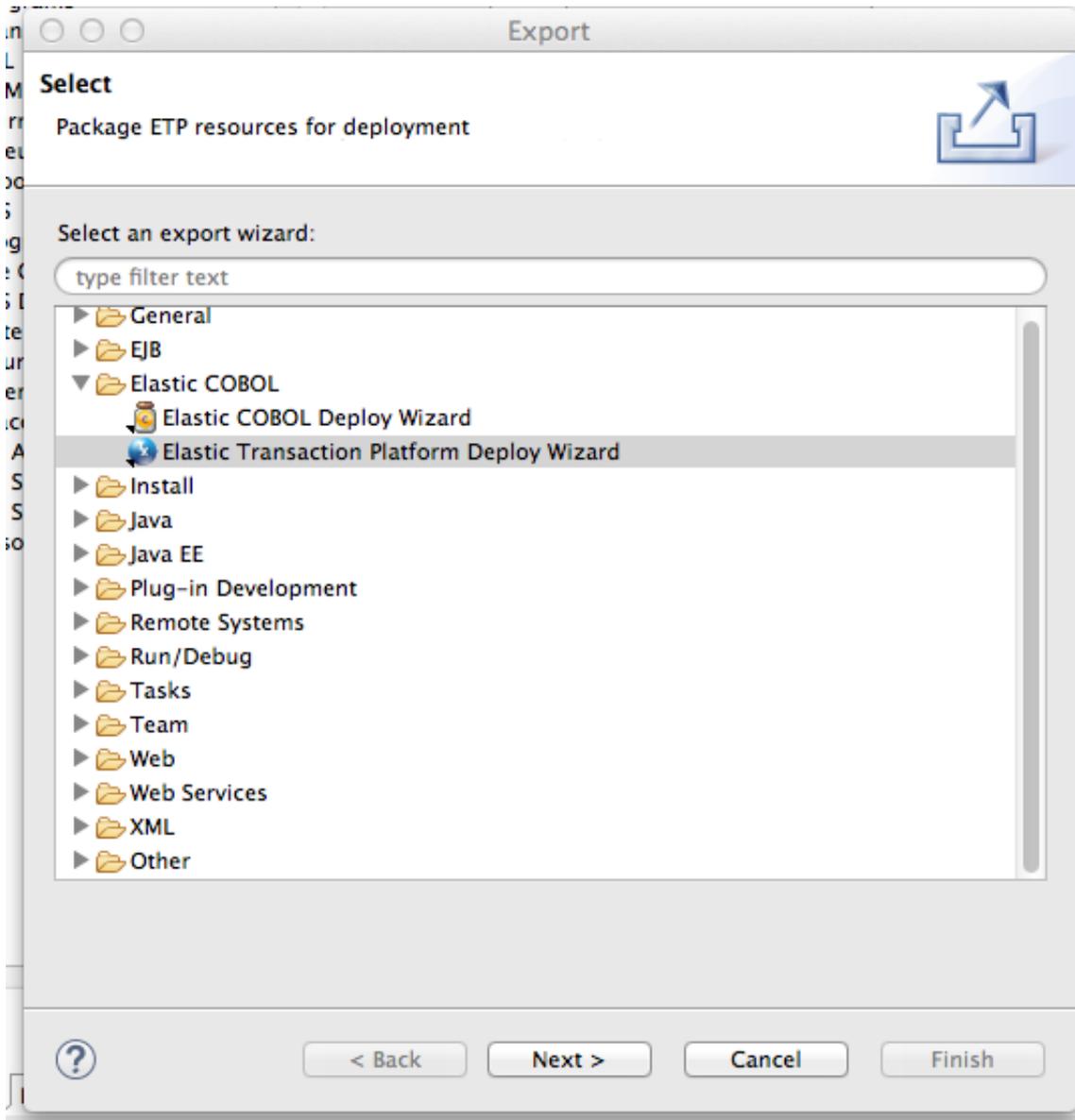
Select the 'Elastic Transaction Platform Deploy Wizard' and click Next:

grams
n



**ETP Deploy Wizard**

**Archive Package Specification**

Define what resources to package

Select the ETP deploy project to use:

ETP Project: [ onlinedemo-deploy                              ] ▼   [ Browse... ]

Deployment Options

◉ Traditional   ○ Cloud

Select the export destination:

EAR/WAR file: [ /Users/ianw/onlinedemo.war            ] ▼   [ Browse... ]

Specify the deployment license location:

[                                                  ]   [ Browse... ]

Options:

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

[ ? ]          [ < Back ]   [ Next > ]   [ Cancel ]   [ Finish ]

Fill in the name of the war file (in this case it is /Users/ianw/onlinedemo.war) and click Finish:
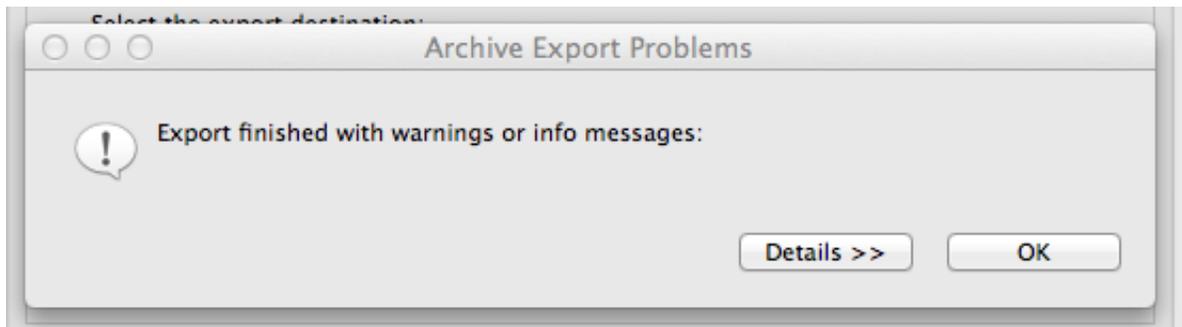
Click OK:
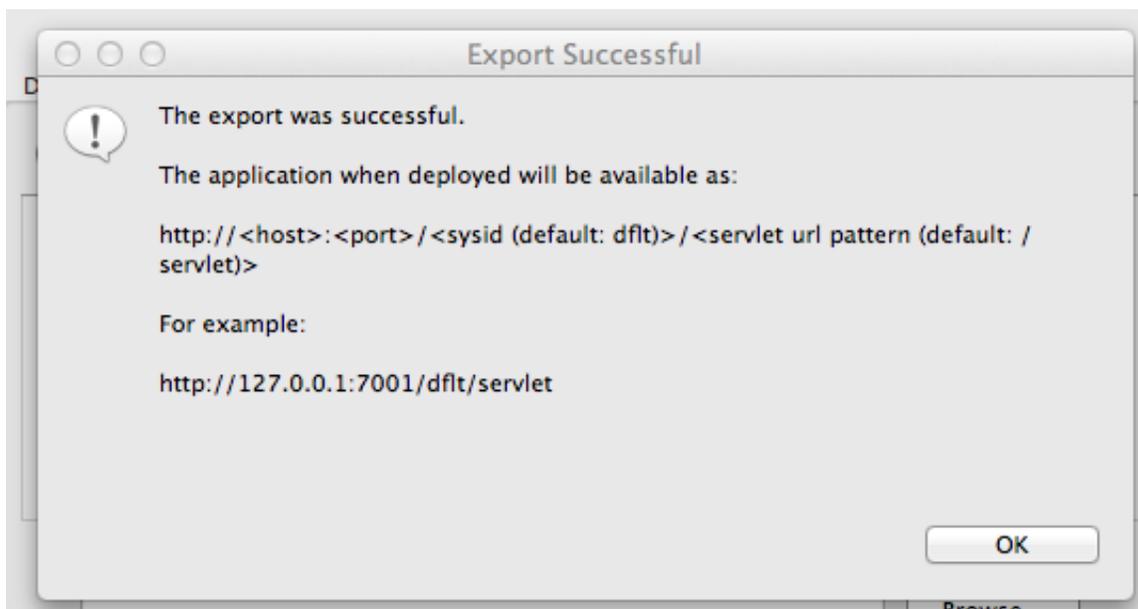


Click OK.
The war file is now ready for deployment