

Have a go! Get the OSGi scanning server code

Follow these instructions to get a toy OSGi scanning server and run it with a user interface and mocked out hardware connection. (Note that you should be familiar with [targets](#) and [products](#) in Eclipse and with Git.)

1. Get the code from GitHub:

```
git clone --depth=50 --branch=master  
https://github.com/eclipse/scanning ./eclipse/org.eclipse.scanning
```

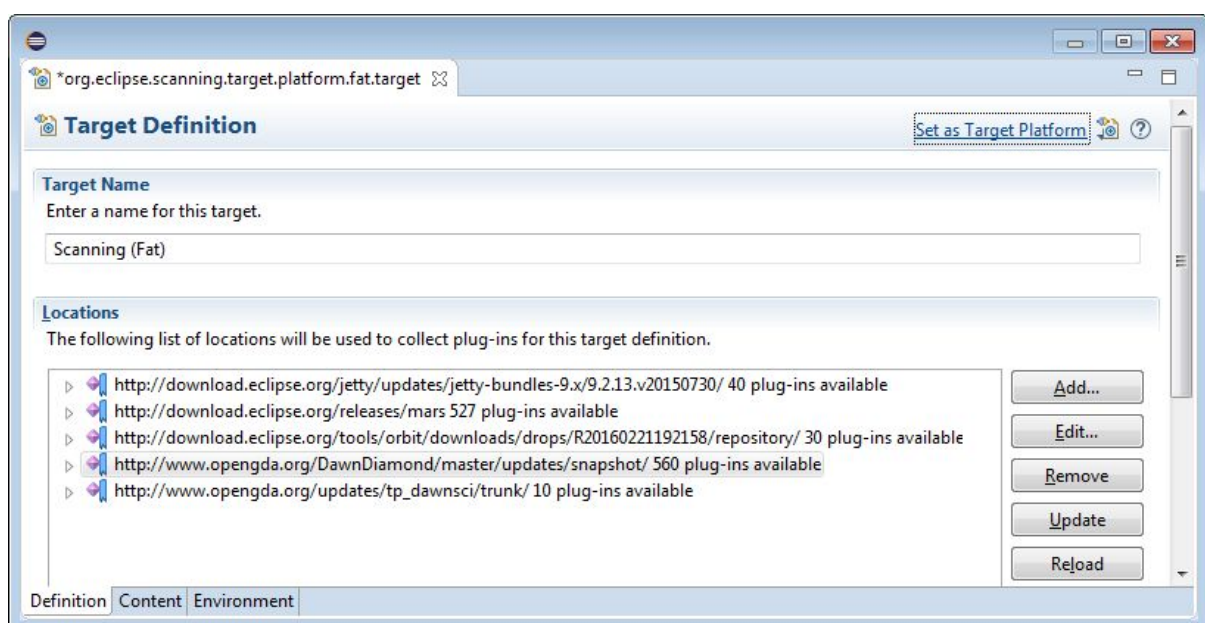
```
git clone --depth=50 --branch=master  
https://github.com/eclipse/richbeans.git  
./eclipse/org.eclipse.richbeans
```

```
git clone --depth=50 --branch=master  
https://github.com/eclipse/dawnsci.git  
./eclipse/org.eclipse.dawnsci
```

```
git clone --depth=50 --branch=master  
https://github.com/DawnScience/dawn-hdf.git ./dawn-hdf
```

2. Import all the projects from the repositories you checked out into your Eclipse workspace. You will need Eclipse with the [RCP development](#) tools.

3. Open the file `org.eclipse.scanning.target.platform.fat.target`. You need to have Eclipse download these components to your target, which will happen when you open the file. Click the **set as target platform** link in the top right corner.



4. At this point all the projects should compile. You should start the server using the product **org.eclipse.scanning.example.server.product** and then start the client using the product **org.eclipse.scanning.example.client.fat.product**. If the server starts correctly you will see the message:

```
11:36:15.434 INFO o.e.scanning.event.ConsumerImpl - X-Ray  
Centering Consumer Submission ActiveMQ connection to  
failover:(tcp://localhost:61616)?startupMaxReconnectAttempts=3  
made.
```

```
[Consumer Thread X-Ray Centering Consumer]
```

It starts up a local version of activemq on port 61616. You can configure activemq using command-line options.

5. Try running a scan by going to the Scanning perspective and drawing a grid scan using the Scan Editor. It looks something like this:

