

JDG and EAP Lab Setup Guide

Follow this guide to setup the lab environment for JDG labs

NOTE: If you are looking at the PDF version and have problems with for example copying text, the original Markdown is available [here](#).

Prerequisites

- Host operating system should be Linux or a BSD based os like Mac OS X.
 - Alternative one of the above specified OS could be running in a virtual machine with a Desktop Manager
- The following software should be installed prior to the lab
 - OpenJDK or Oracle JDG using 1.6 or 1.7
 - Apache Maven (installed and on the path)
 - JBoss Developer Studio 7.X
- Download [jdg-labs.zip](#) or clone this project
- Download the following JBoss software as zip files (used later in the labs)
 - jboss-datagrid-6.3.0-eap-modules-library.zip
 - jboss-datagrid-6.3.0-maven-repository.zip
 - jboss-datagrid-6.3.0-server.zip
 - jboss-eap-6.3.0-maven-repository.zip
 - jboss-eap-6.3.0.zip

Setup Development environment

1. Unzip jdg-labs.zip in a suitable directory (for example \$HOME)

```
$ unzip jdg-labs.zip -d $HOME
```

2. Change directory into the lab root dir

```
$ cd ~/jdg-labs/
```

3. Copy (or move) the downloaded jboss software into installs directory

4. Setup the development environment with the provided script

```
$ sh init-dev.sh
```

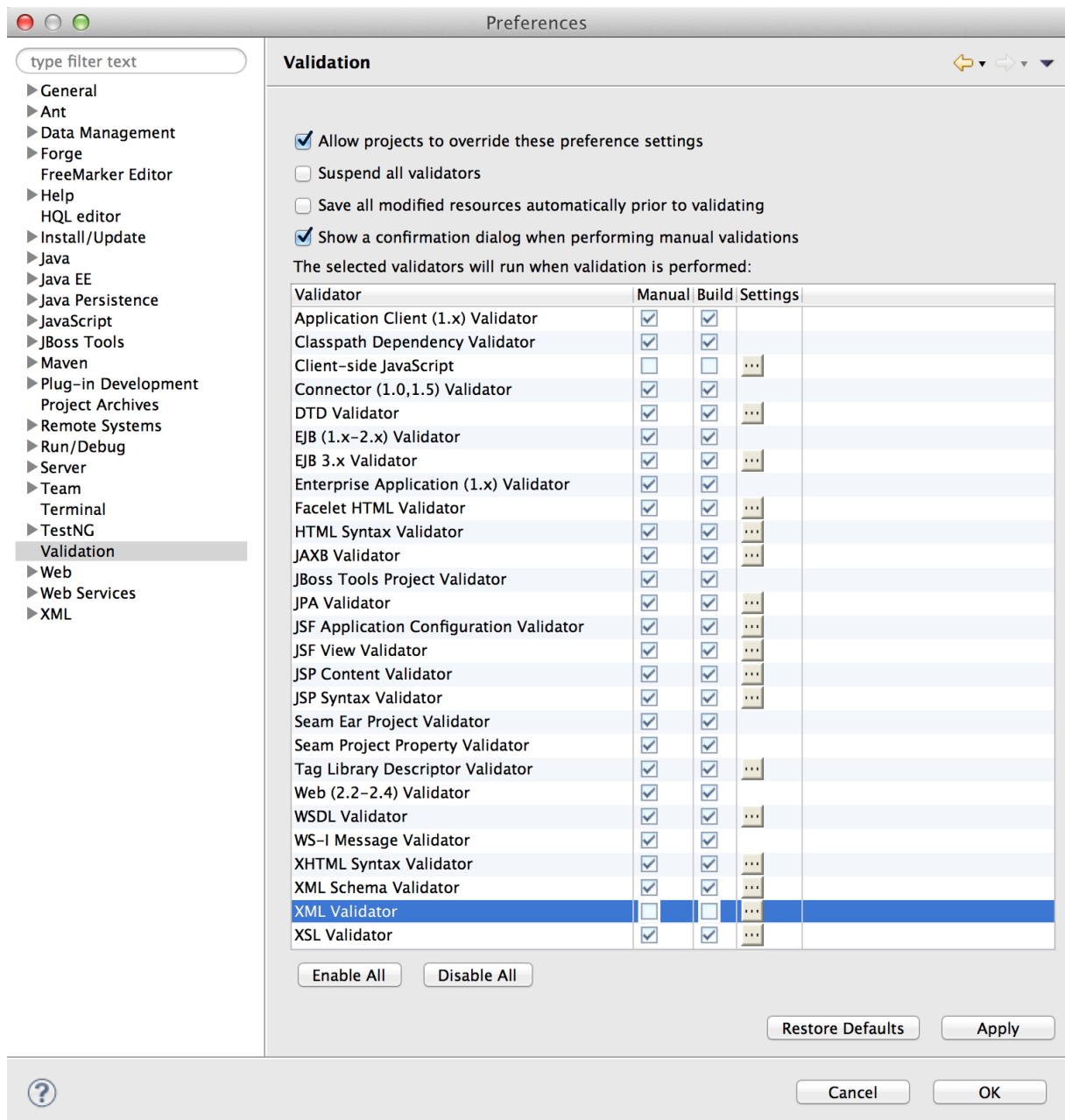
5. Copy generated settings.xml to \$HOME/.m2/ (don't forget to backup any existins settings.xml)

```
$ cp target/settings.xml ~/.m2/
```

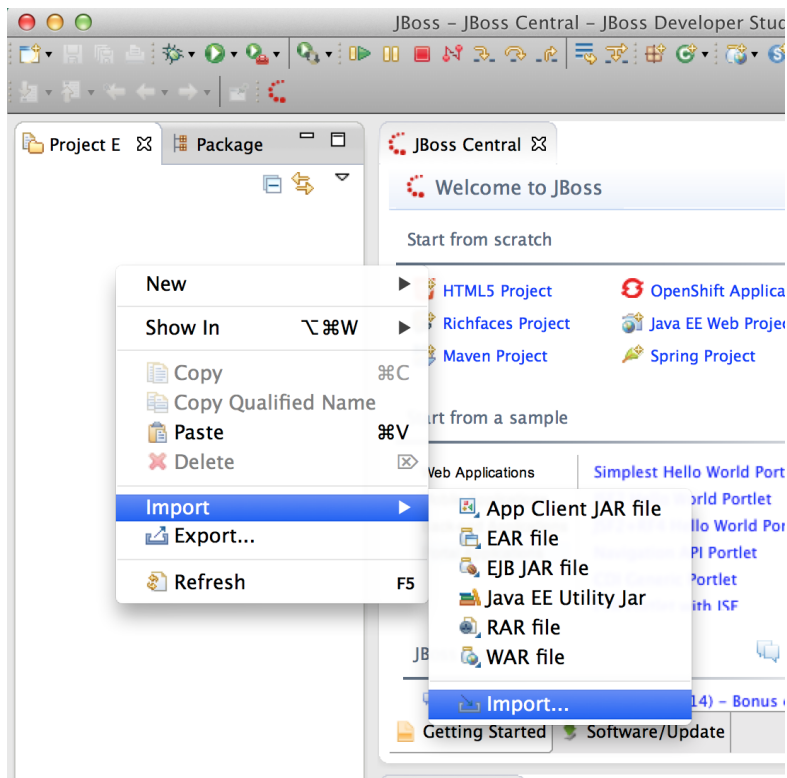
6. Start JBoss Developer Studio

7. Turn off XML validation

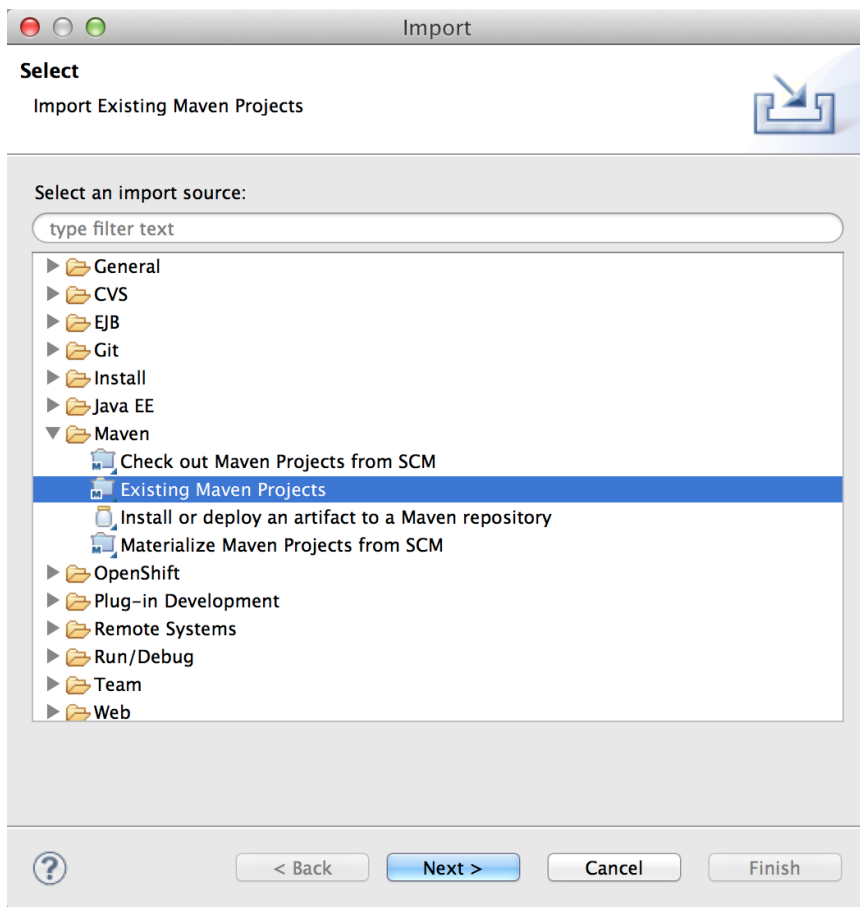
Preferences -> Validation



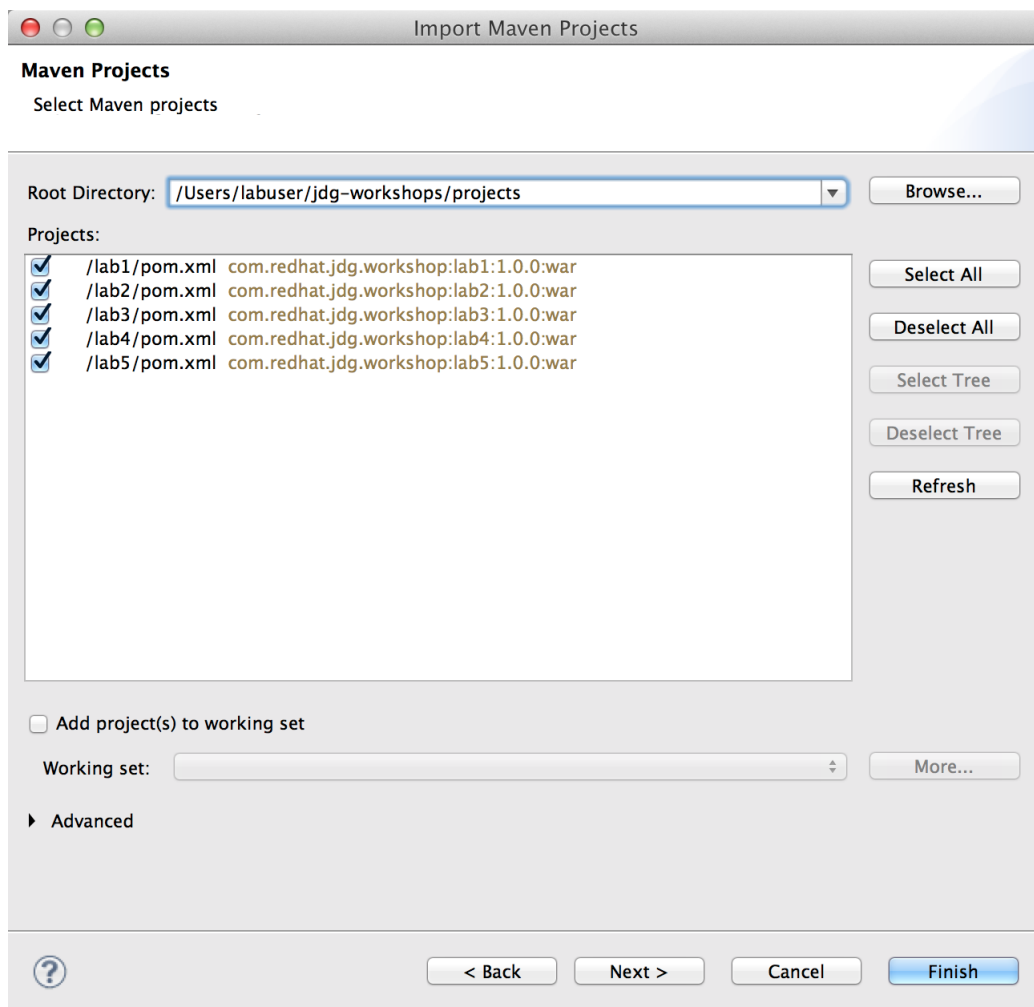
8. Import the projects. Right click on the project area select Import -> Import ...



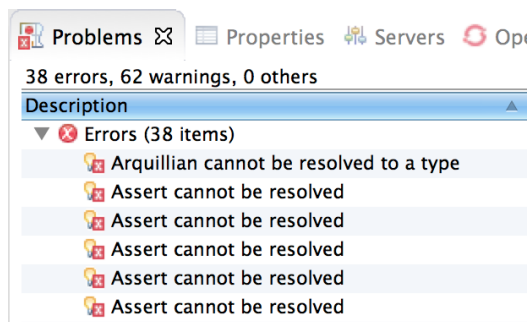
Select Existing Maven Project and click Next



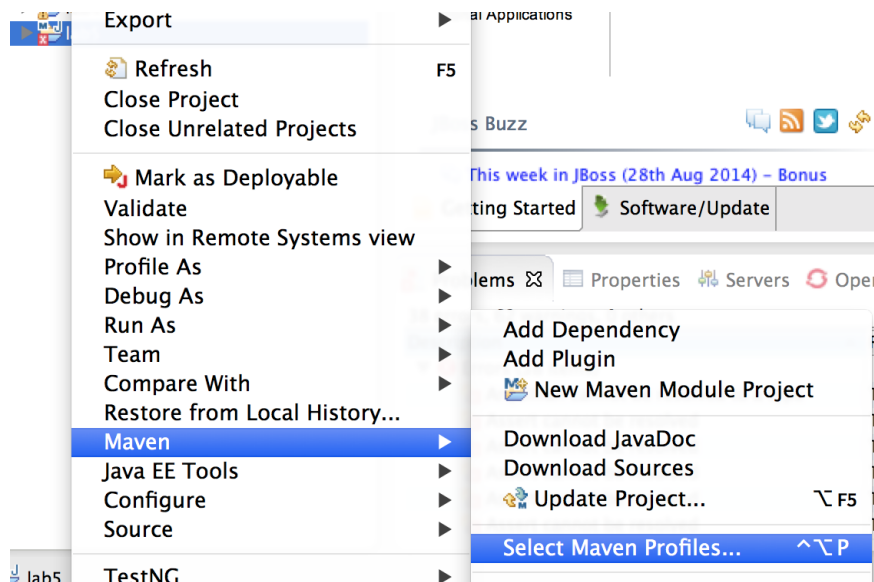
Browse to the project directory (~/.jdg-labs/project) and select all lab projects



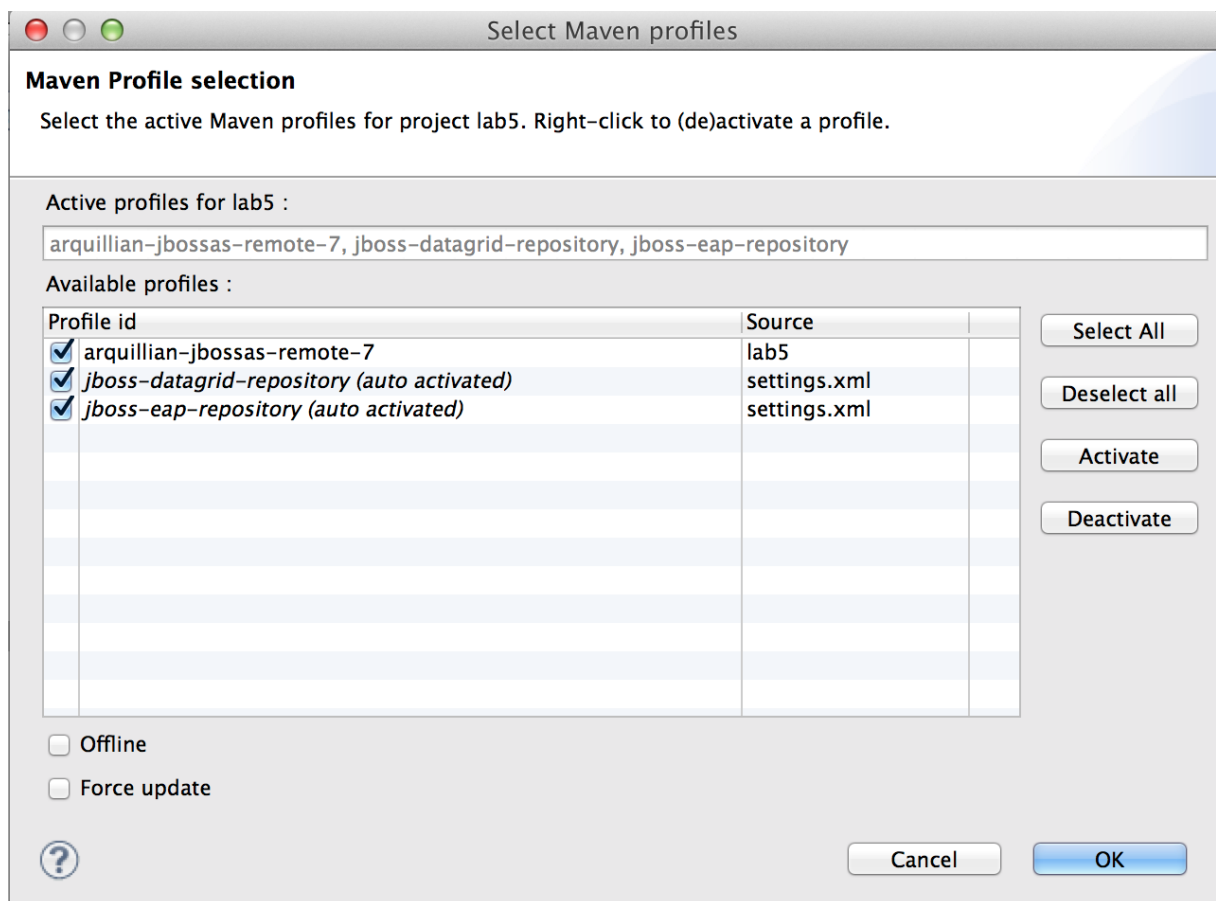
9. At this point the workbench should have some compilation errors that looks something like this:



10. To fix this you need to enable a Maven profile for Arquillian by right clicking on each project and select Maven -> Select Maven Profile...



11. And in the dialog check the following maven profiles as illustrated by the picture below.



12. You should now have a workbench with warnings, but without problems.

13. You are now ready to start with lab1