

JBoss Data Grid lab guides

Setup Guide

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v1.1 2015-12-06

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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](#).

Definition of Terms

Term	Definition	More information
JDG	JBoss Data Grid	website
EAP	JBoss Enterprise Application Platform	website
JBDS	JBoss Developer Studio	website

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 JDK 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
```

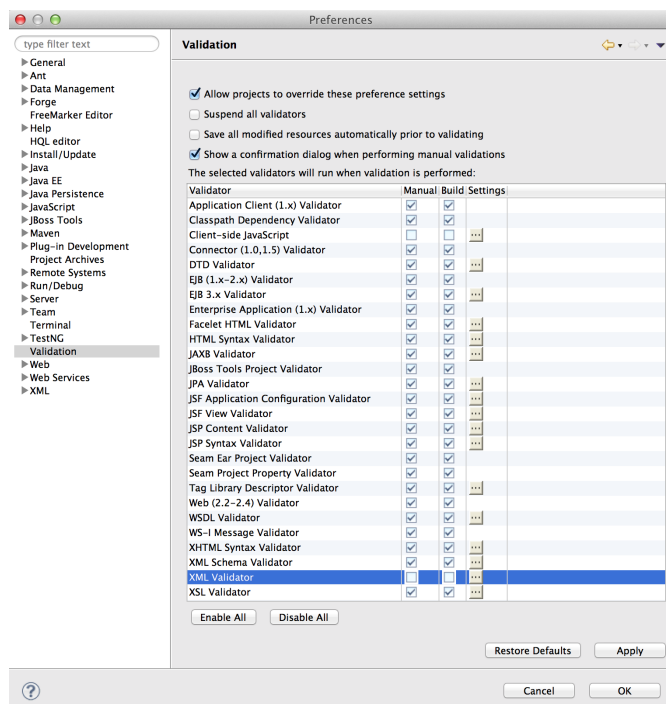
5. Copy generated settings.xml to \$HOME/.m2/ (don't forget to backup any existins settings.xml)

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

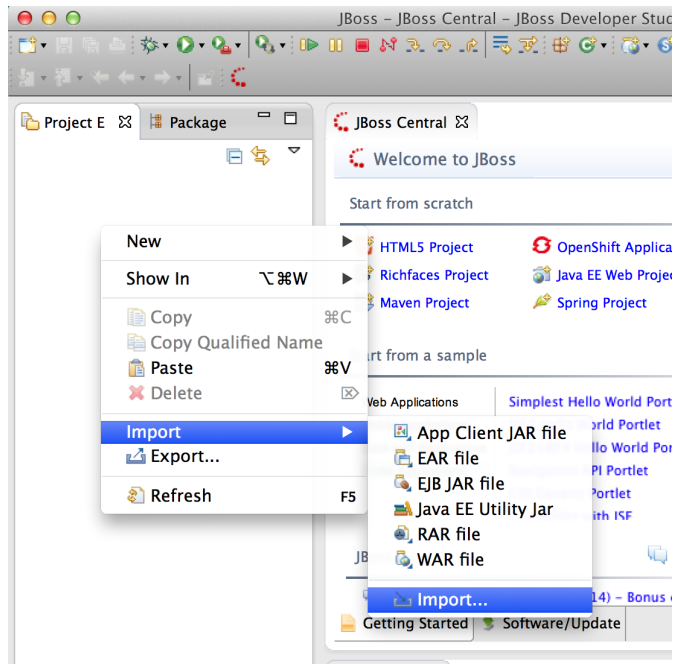
6. Start JBoss Developer Studio

7. Turn off XML validation

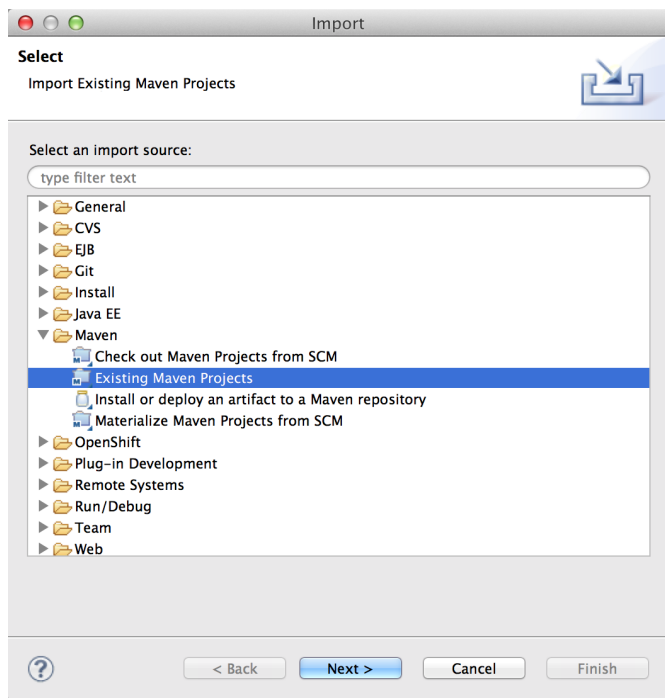
Preferences → Validation



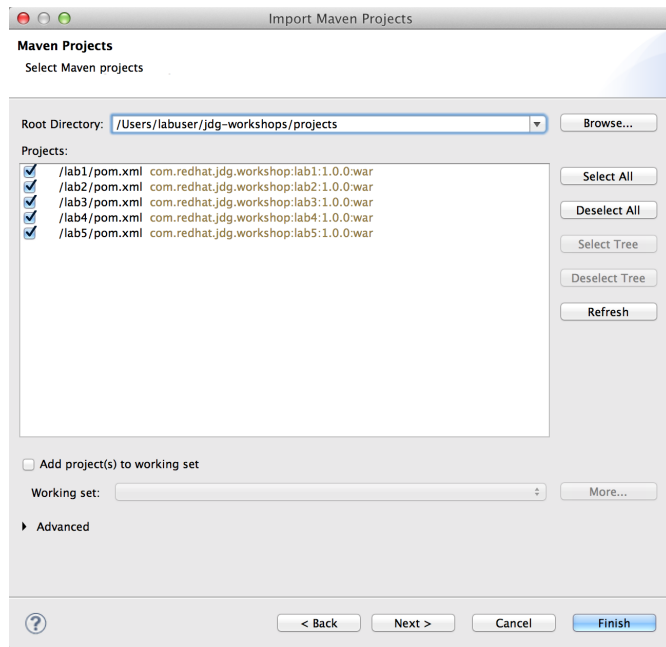
8. Import the projects. Right click on the project area select Import → Import ...



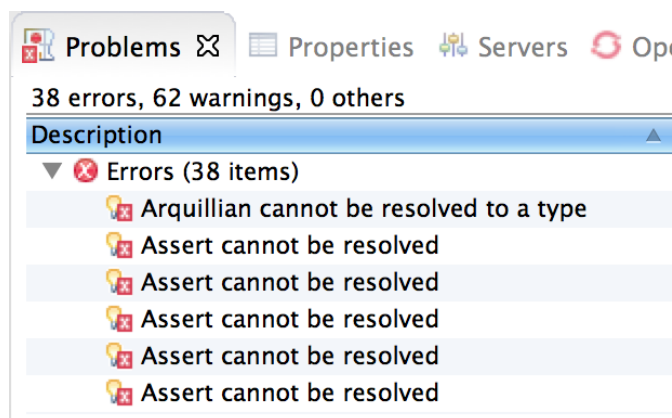
Select Existing Maven Project and click Next



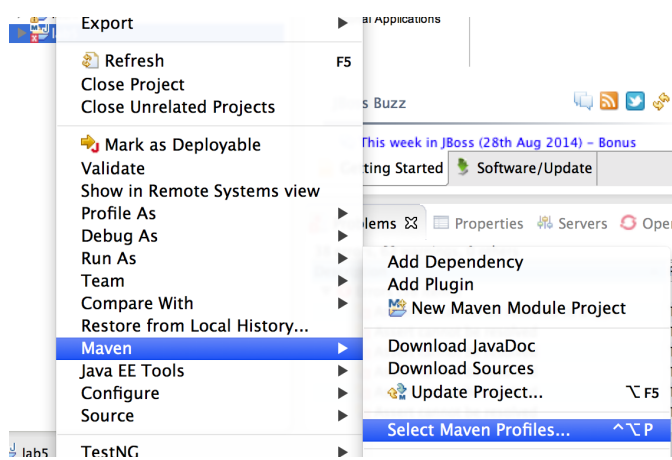
Browse to the project directory (`~/jdg-labs/project`) and select all lab projects



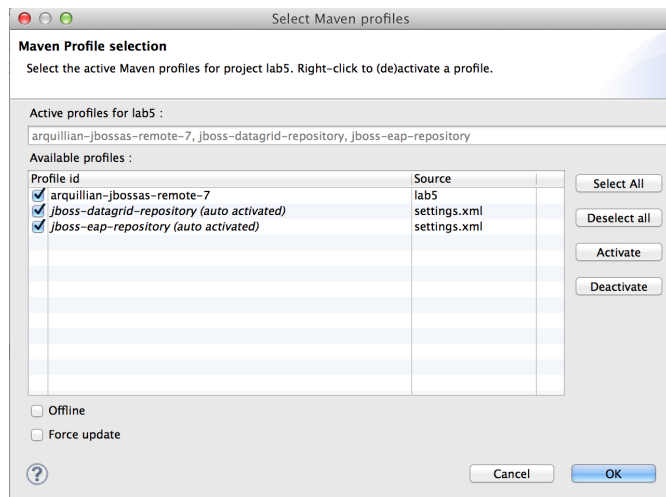
9. At this point the workbench should have some compilation errors that looks something like this:



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 lab 1