JBoss Data Grid lab guides
Setup Guide

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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

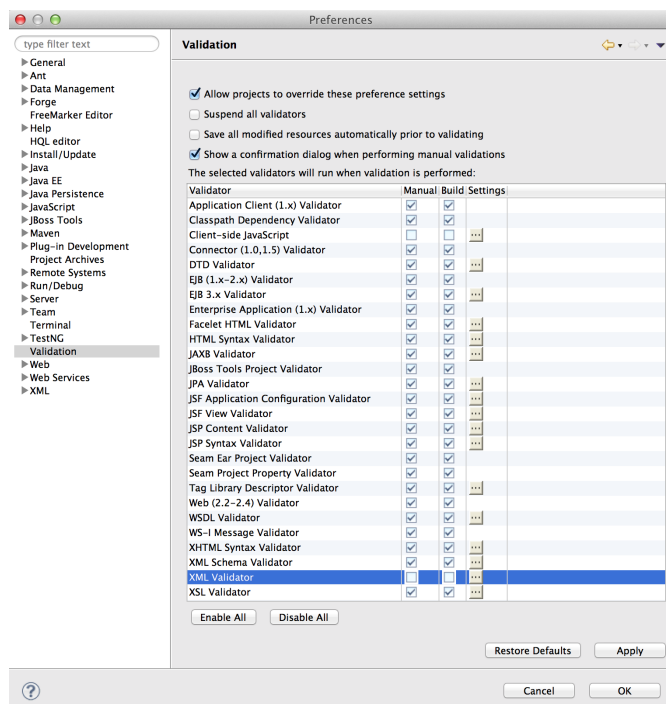4. Setup the development environment with the provided script

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

5. Copy generated settings.xml to $HOME/.m2/ (don't forgett to backup any existins settings.xml)
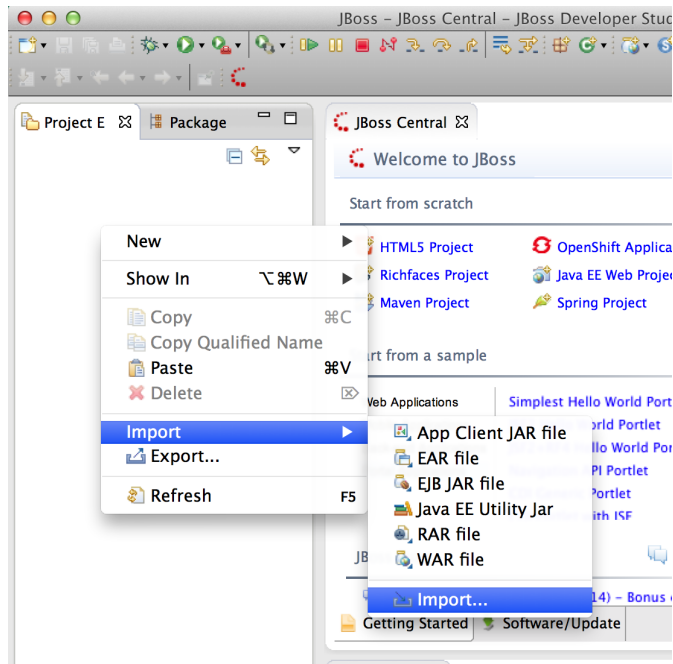
```
$ cp target/settings.xml ~/.m2/
```

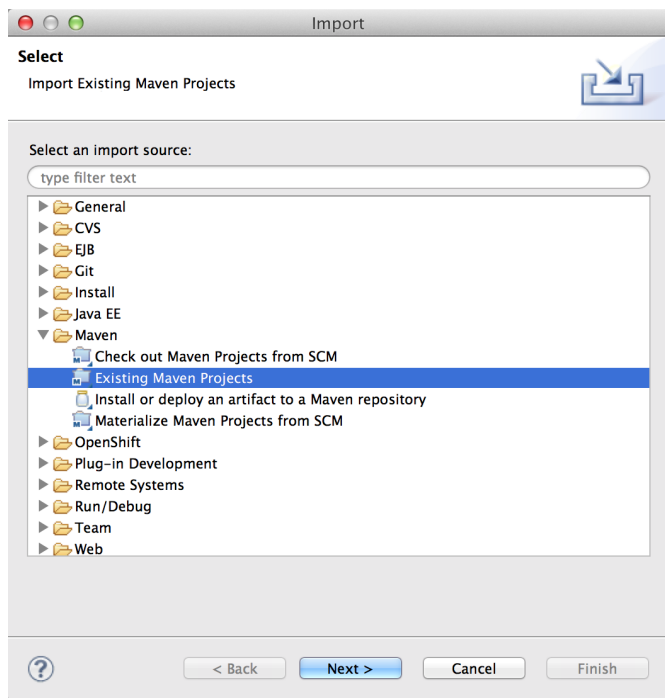6. Start JBoss Developer Studio
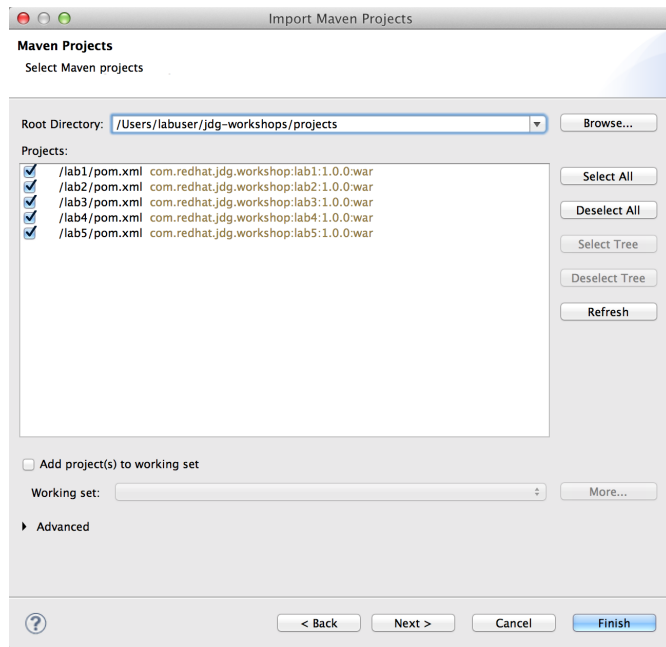
7. Turn off XML validation

Preferences → Validation

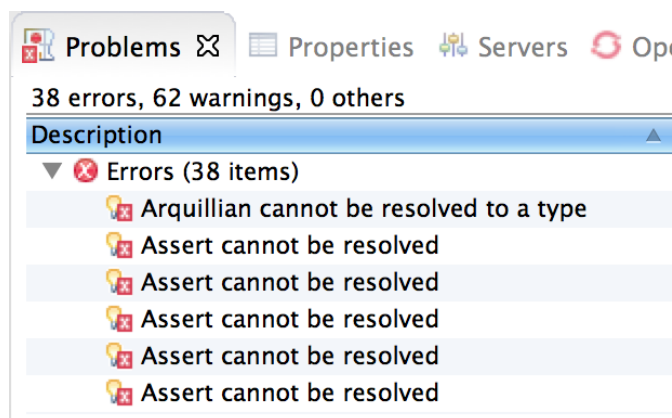8. Import the projects. Right click on the project area select Import → Import …
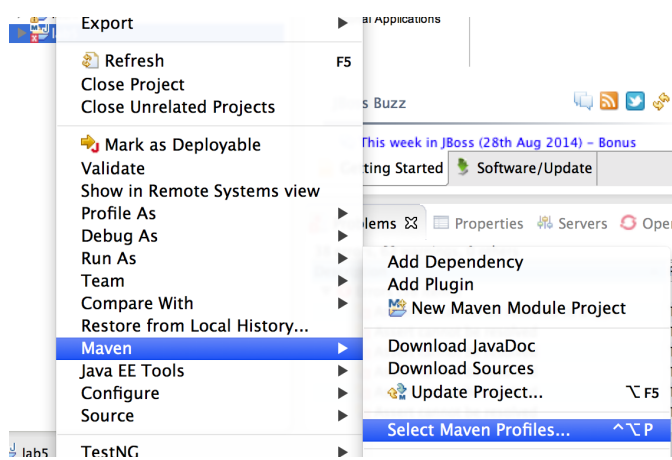
Select Existing Maven Project and click Next

Browse to the project directory (~/jdg-labs/project) and select all lab projects
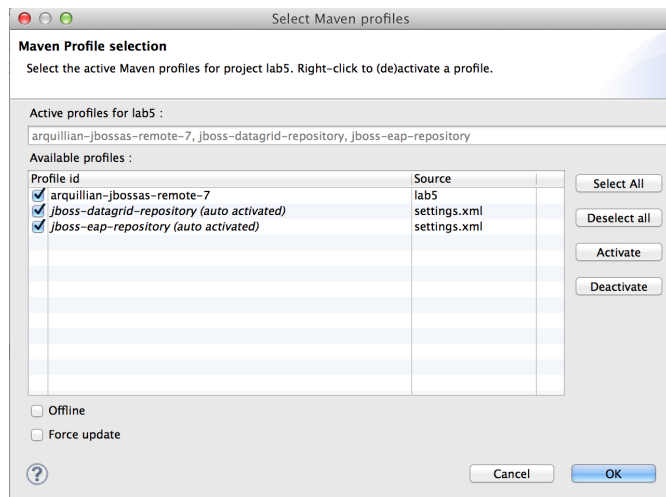
9. At this point the workbench should have some compilation errors that looks something like this:

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