**Installation instructions – BIM Server query basis environment**

*Authorship*
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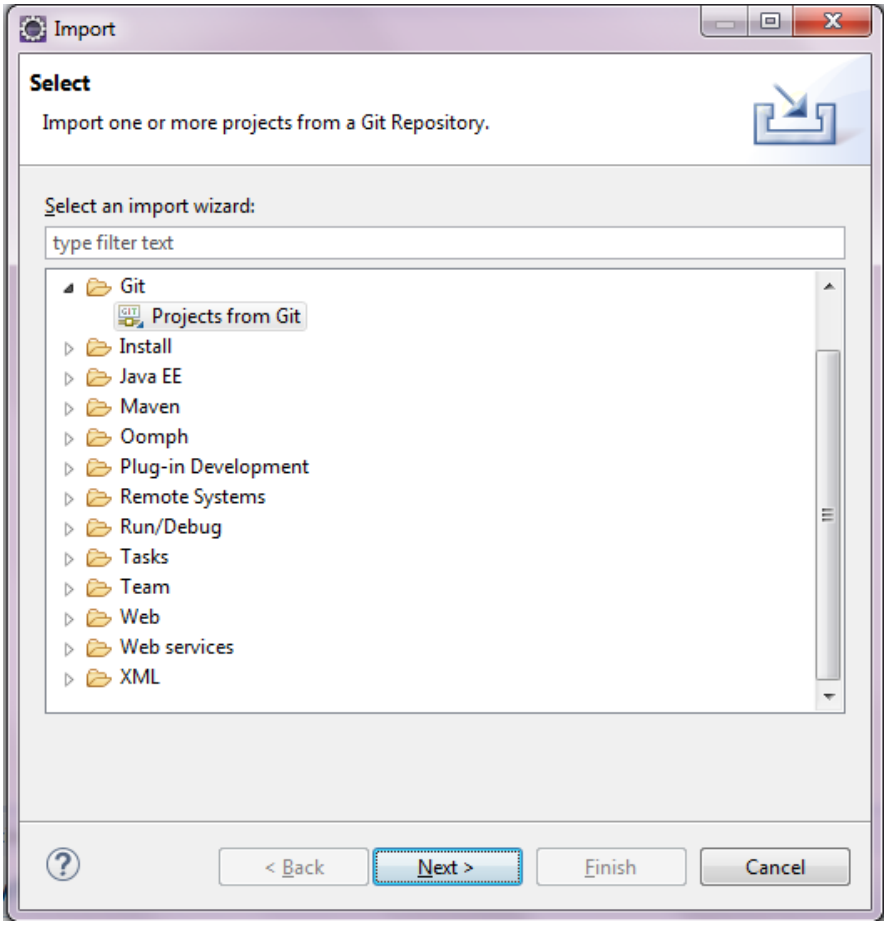
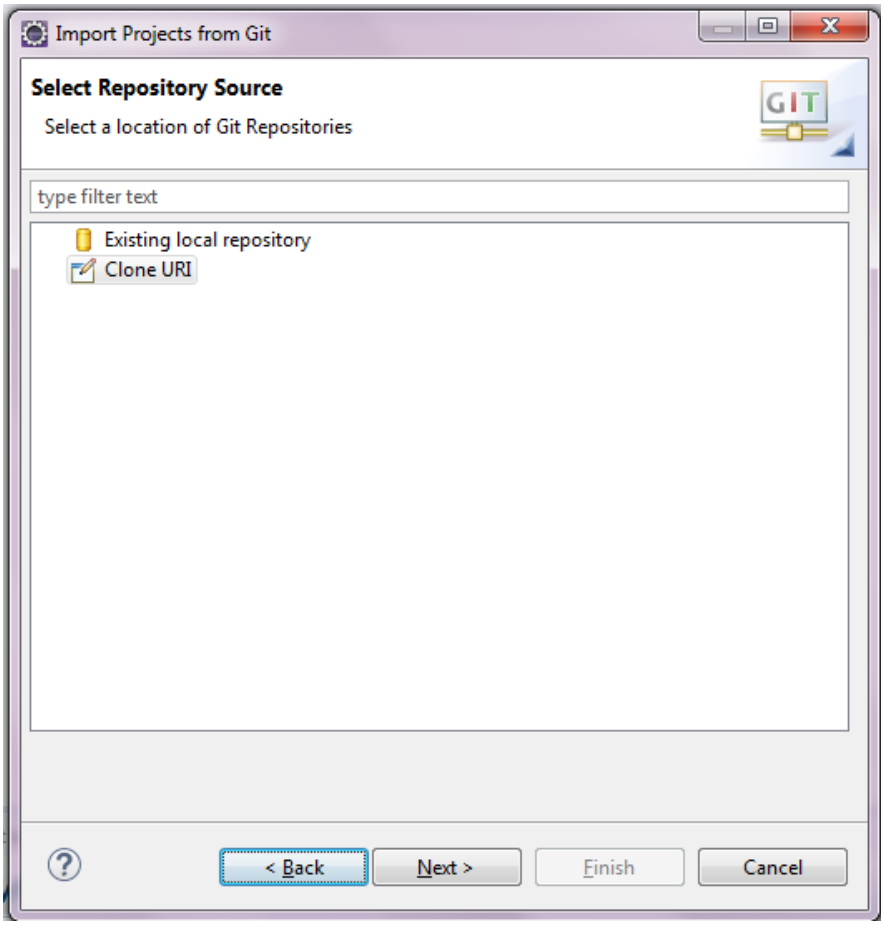
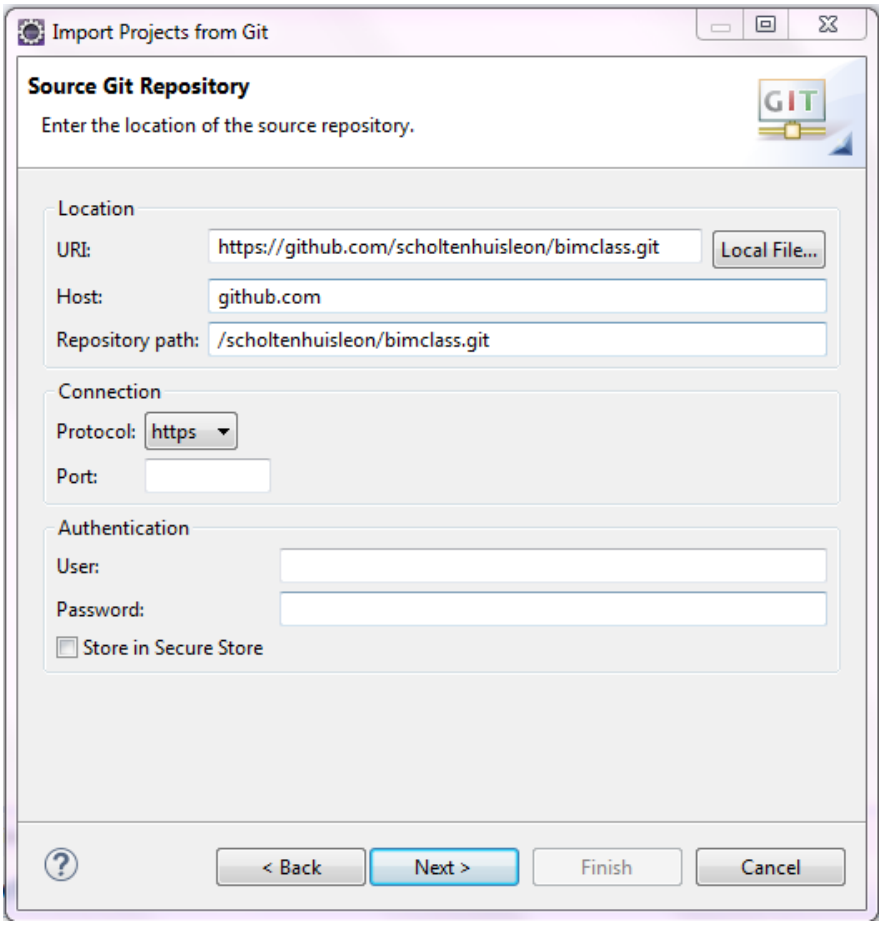
1. Download and install Java JDK 8 using the following link: http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html Choose the first Java SE Development Kit in the list. Please make sure that you download the right version for your system (Windows X86 or X64).
2. Download the eclipse environment using this link: http://www.eclipse.org/downloads/. Choose "Eclipse IDE for Java EE Developers" (neon 2); extract the file into a folder on your local drive.
3. Start eclipse by double clicking the executable in the eclipse folder.
4. On start-up eclipse will ask for a workspace. Select a new folder (make sure that it is different from the one you installed eclipse to).
5. Right click in the 'Project Explorer' field. Select Import → Git → Projects from Git



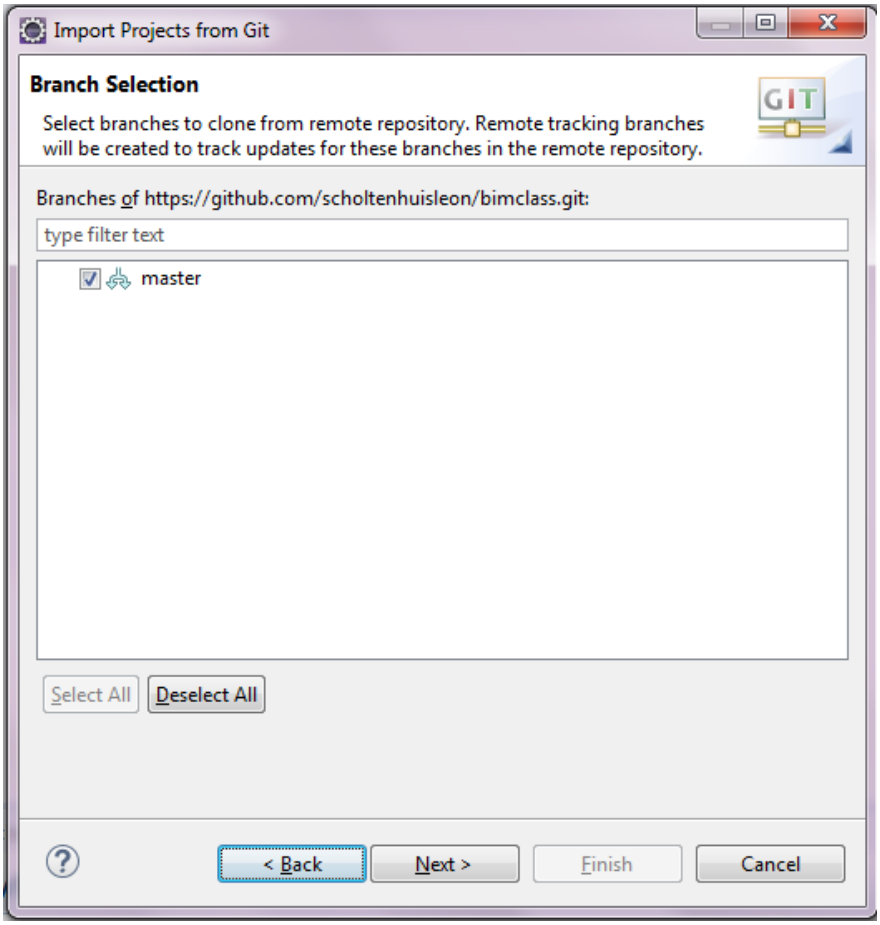
6. Select Clone URI



7. Copy the following into the URI field: “https://github.com/scholtenhuisleon/bimclass.git”. The other fields will be filled in by eclipse automatically.



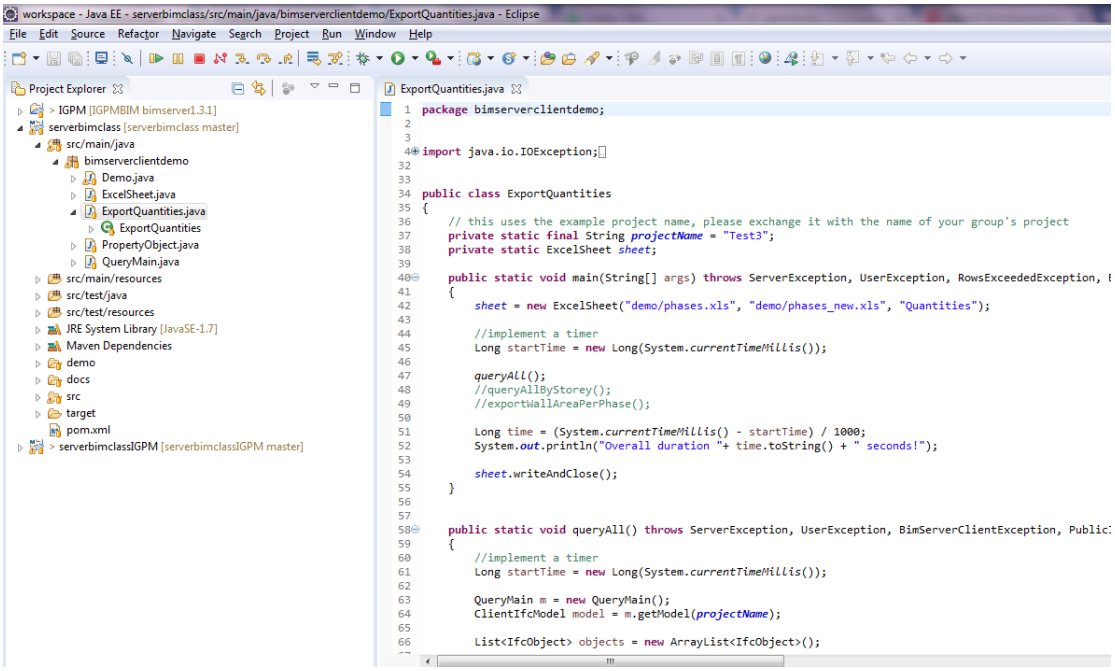
8. Click Next, select the ‘master’ branch, Click Next again.



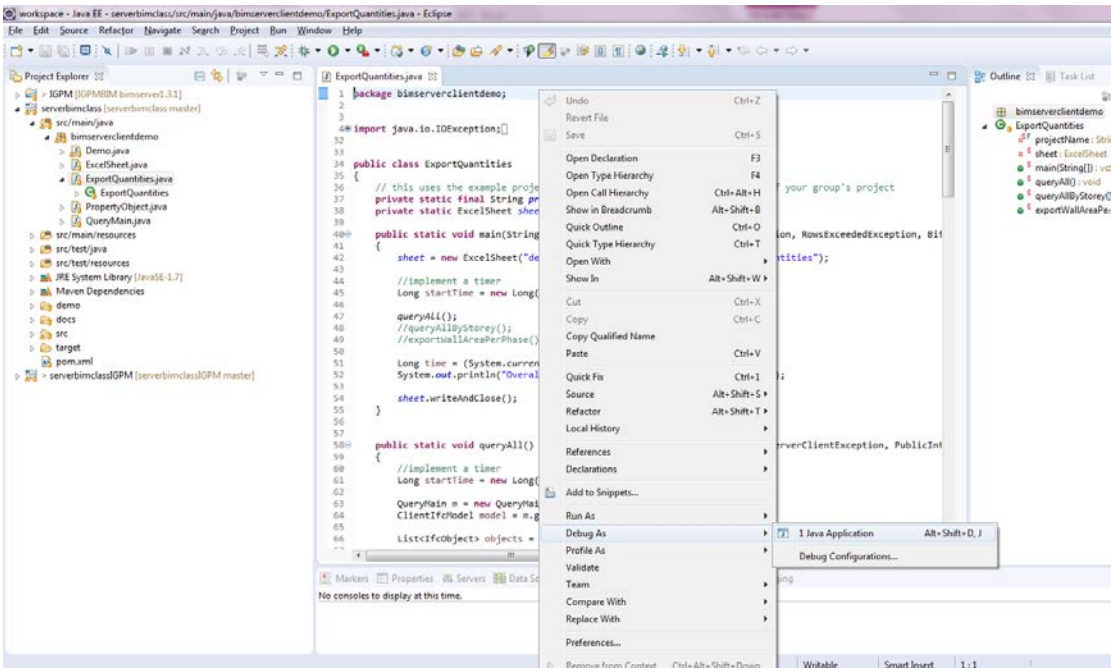

9. **Select the standard directory chosen by Eclipse. <u>This is an important step, only change the directory if you really know what you are doing!</u>**

10. Click ‘Next’’. Eclipse now downloads the code this will take some time. Once downloaded, click ‘next’ and then ‘Finish’. Your eclipse project is now ready to run.

11. To run the project, extend the tree ‘serverbimclass’ , ‘src/main/java’, ‘bimserverclientdemo’. IN the lowest part of this hierarchy on the left you can select the ‘ExportQuantities.java’ entry. Double click this, and the screen will look as follows:




12. Right click in the code window in the center, select ‘Debug As’ and ‘Java Application’:




13. Eclipse will now search for the main types and then start running the BIM server query code in debug mode. In some cases, you need to allow access to Java through your Windows firewall, please mind possible dialog boxes that pop up and restart the debugging.

14. At the bottom of the eclipse window (the tab called ‘Console’) you should after a while see how different building information data is printed. Congratulations: you connected to the BIM server and are querying data from it! You can now continue with the document explaining the code.

--- end ---

! PS: when running the code in Eclipse you may get a connection warning in red text:

```
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further
details.
```

This warning is not an error and can be ignored. To better understand the code, please open the code description.