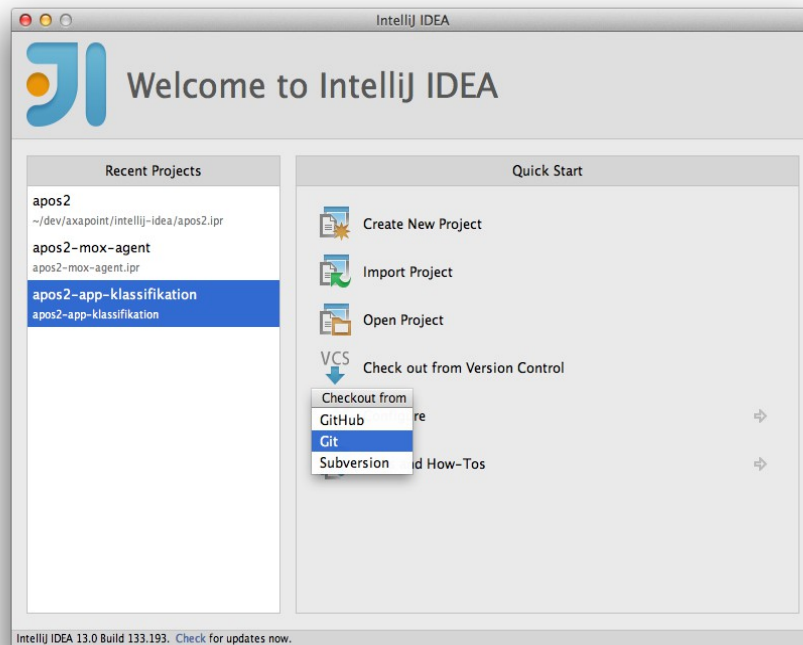
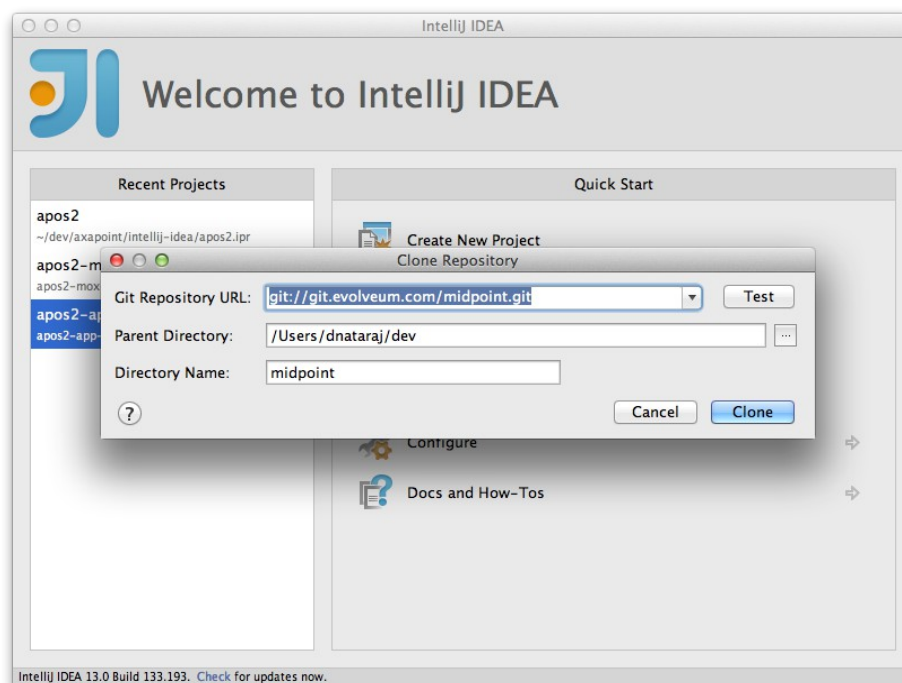


## Starting development with **Midpoint** and **IntelliJ IDEA 13 Ultimate**

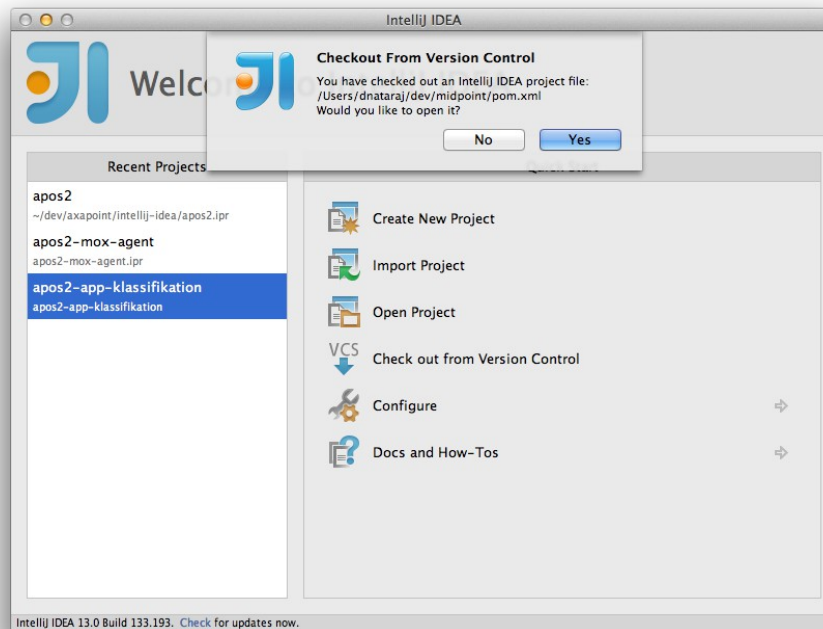
1. Start IDEA, if it is not already running. You are presented with various options to proceed. Select “Check out from Version Control”, and choose “Git” as shown below :



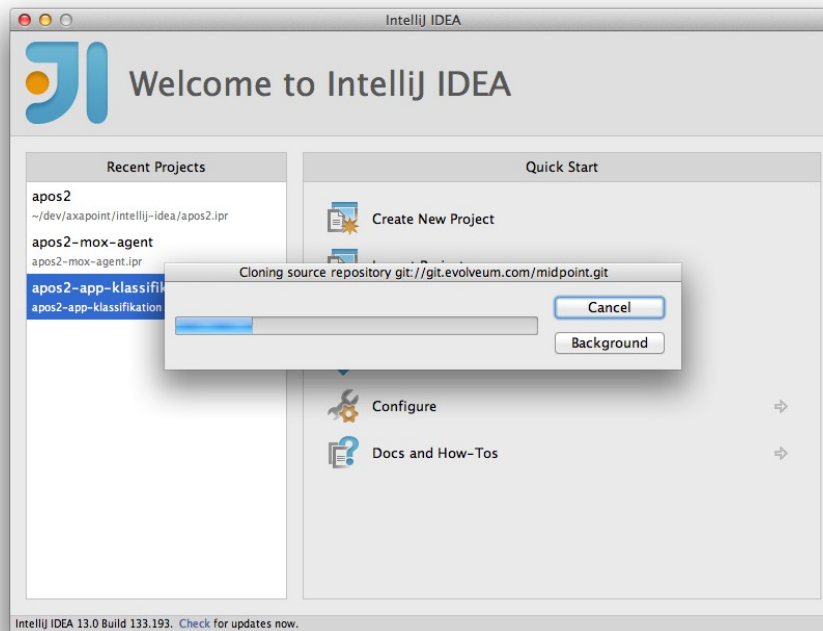
2. Enter the details for the Midpoint Git repository, and select “Clone”, as shown below :



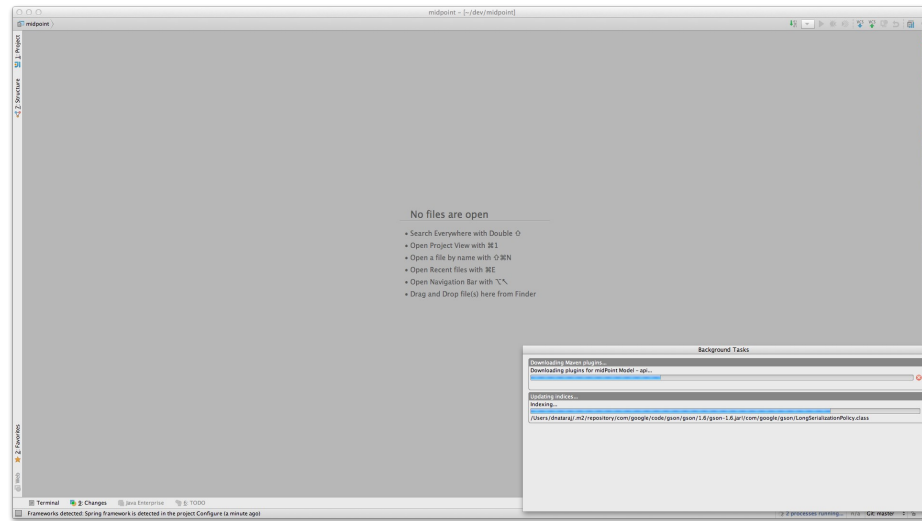
3. Select “Yes” in order for IDEA to process the project POM file :



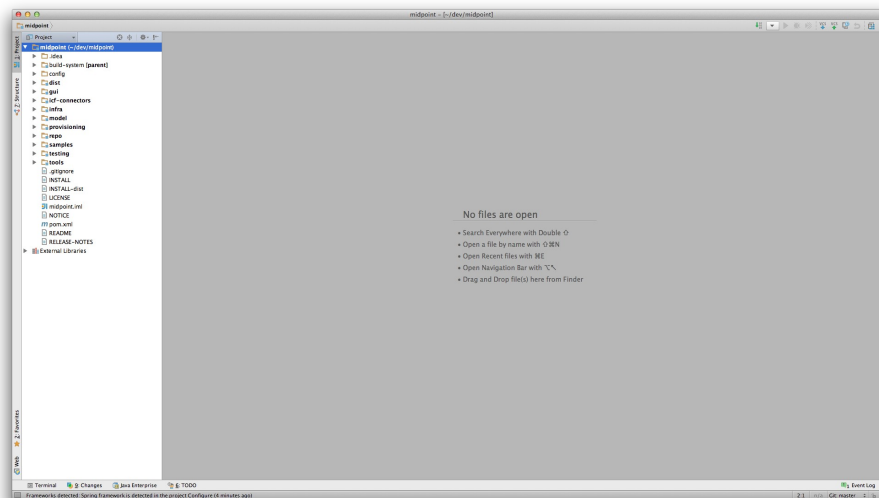
4. Wait while IDEA clones the Midpoint repository and creates the necessary project structures in the IDE.



5. A more detailed view of the import process is available, if needed :



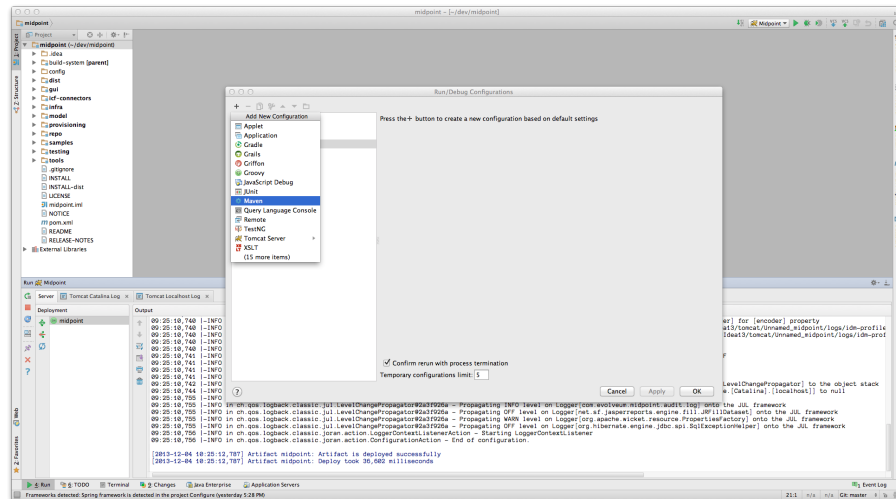
6. After the import is complete, IDEA should have your project structure as shown below :



## 7. Now to set up Maven as a Run Configuration

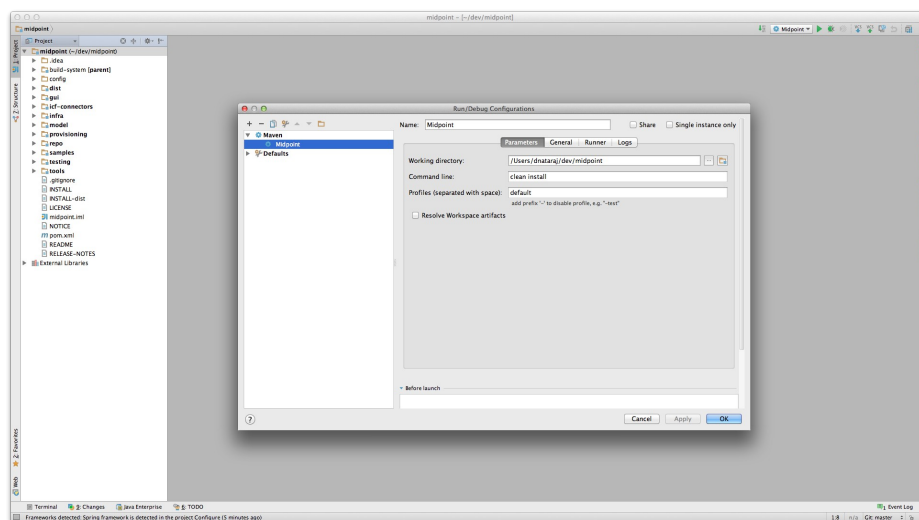
7.1 Select “Run → Edit Configurations...” from the IDEA menus.

7.2 In the “Run/Debug Configurations” window that opens, click the “+” on the top left corner to open the “Add Configuration” sub-menu, and select “Maven” as shown below :



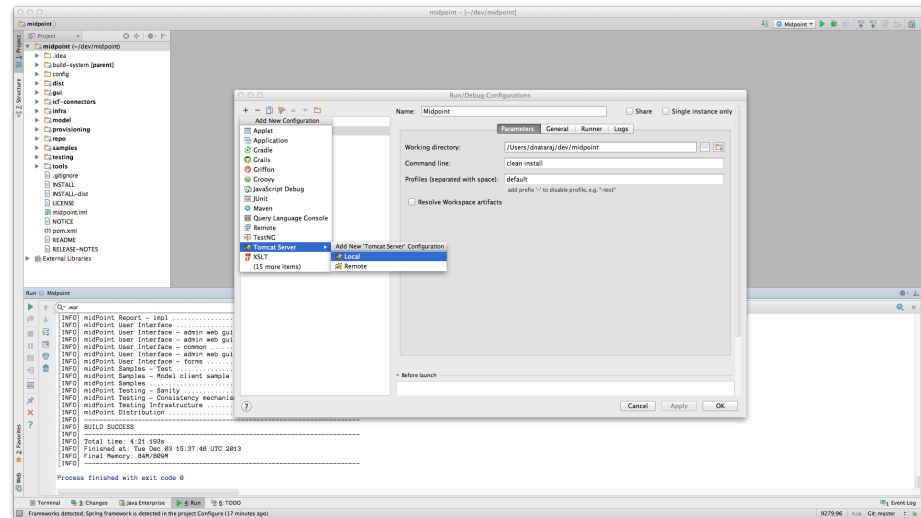
## 8. Give the Maven run configuration a name, and

- Set a working directory, which should be the Midpoint project root folder
- Use “clean install” as the command line parameters to the Maven runtime
- And enter “default” as the Maven profile to use

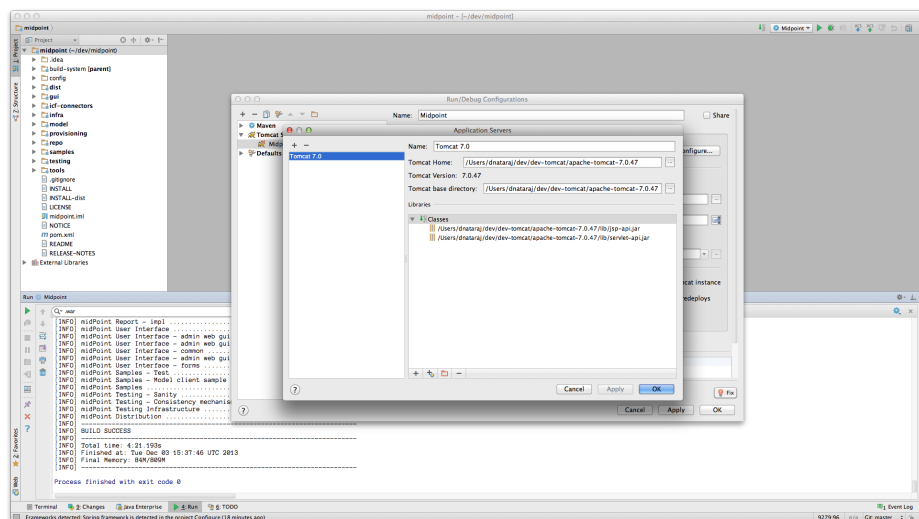


9. Select the “Runner” tab, in the same window, and check “Skip tests” if so desired – as this cuts down the project build time considerably (Approx 40 minutes on a dual core 1.7GHz Macbook Air w/ 8GB of RAM)

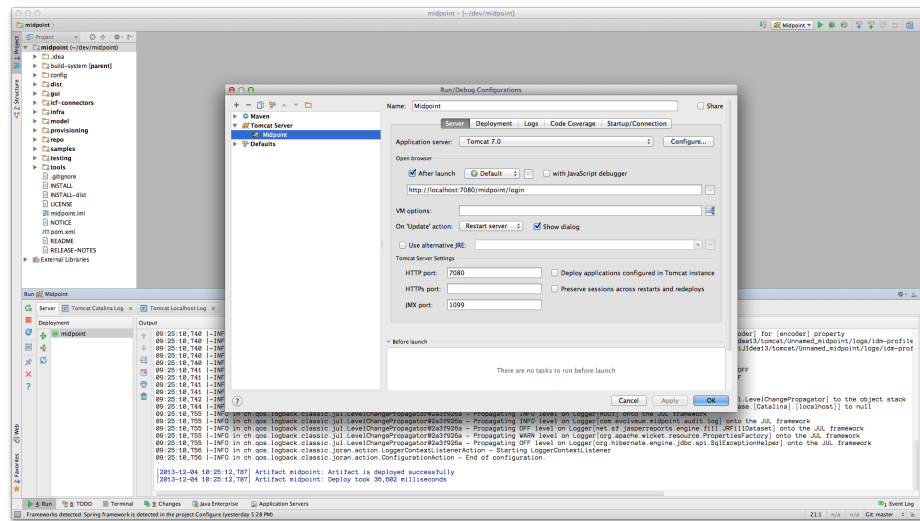
10. To configure deployment to a local Tomcat instance, from within IDEA, once again click the “+” on the top left corner of the “Run/Debug Configurations” window, as shown below :



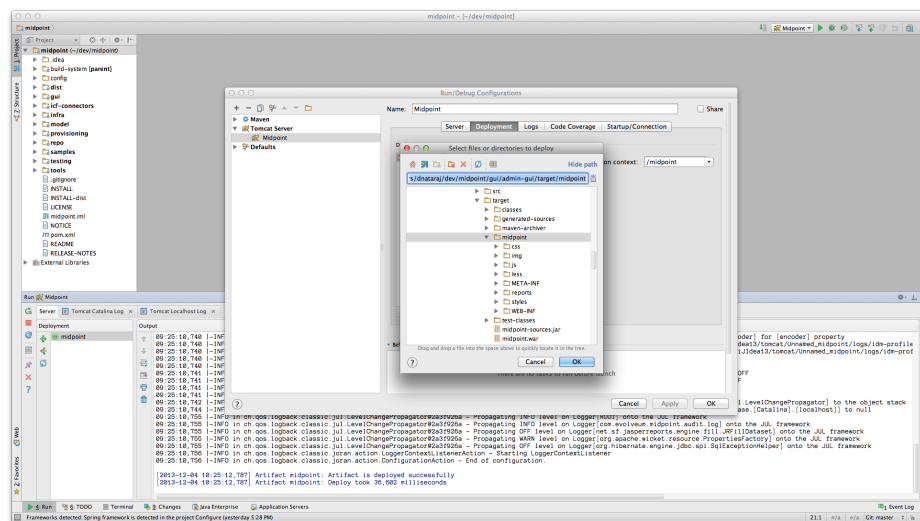
11. Now provide IDEA the location of your local Tomcat 7.0 installation :



12. Name the instance, and configure it as shown below. Provide the Midpoint login URL, so that this would be launched in a browser, after Midpoint.war is deployed at startup (Optional):



13. Select the exploded Midpoint webapp from the built artifacts – so that IDEA can deploy this to Tomcat :



14. Select the Maven run configuration (displayed in a drop down in the IDEA toolbar with the provided name e.g “Midpoint Run”) and Click “Run” (available in the toolbar, or the “Run” main menu) to build the entire project.

15. Select the Tomcat run configuration (displayed in a drop down in the IDEA toolbar with the provided name e.g “Midpoint Deploy”) and again, click “Run” in order to start a local Tomcat instance and deploy Midpoint. A successful deployment will result in your default browser launching with the Midpoint Login page!

Note: The midpoint.home environment variable can be provided by setting a path variable in IDEA (Preferences → Path Variables)