

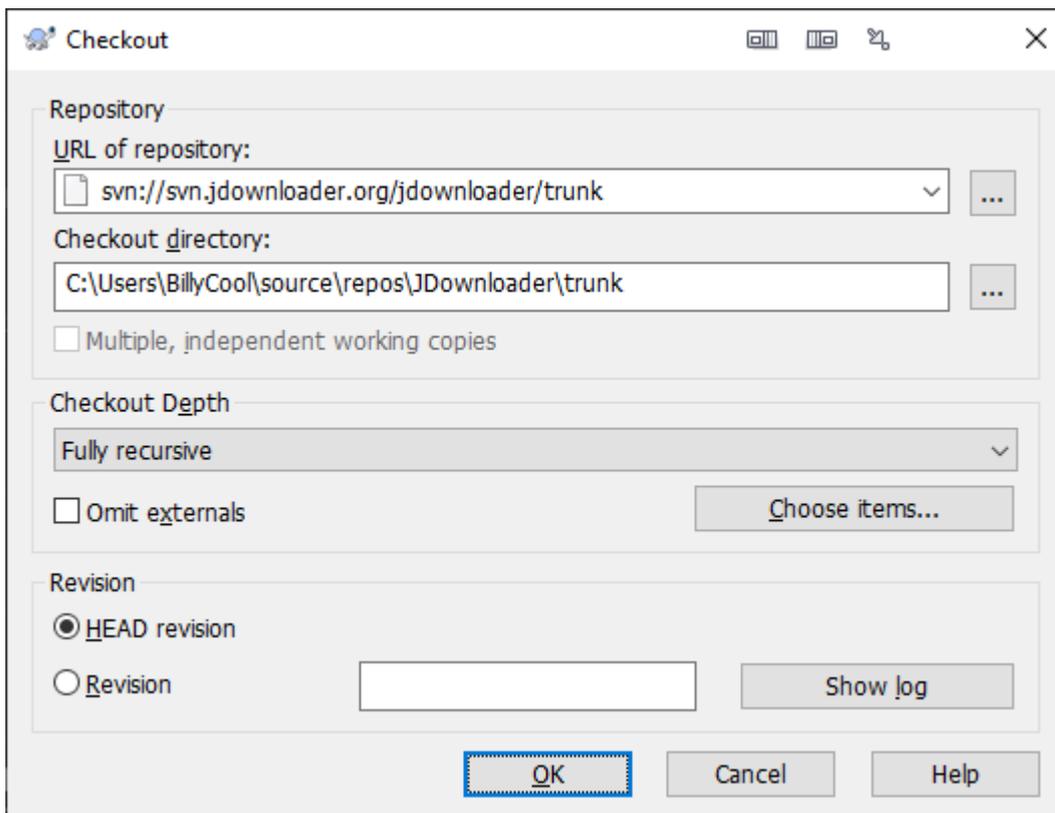
## Prerequisites

- Windows OS
- Oracle JDK 1.8
- IntelliJ IDEA IDE
- TortoiseSVN

## Checkout the JD projects

The first step is to checkout the 4 JD projects from the SVN repository. I recommend creating a folder dedicated to JD, but where you store them is up to you. Navigate to the folder of your choice, right click in the empty space and select [SVN checkout...].

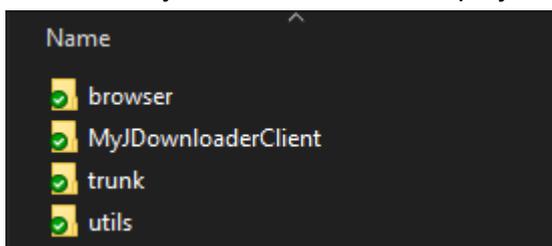
In the window that comes up, paste 'svn://svn.jdownloader.org/jdownloader/trunk' in the 'URL of repository' field, then hit [OK] and wait until the transfer is complete.



Repeat this process for the following 3 repositories:

- svn://svn.jdownloader.org/jdownloader/browser
- svn://svn.appwork.org/utis
- svn://svn.jdownloader.org/jdownloader/MyJDownloaderClient

Once done, you should have the 4 project folders created.



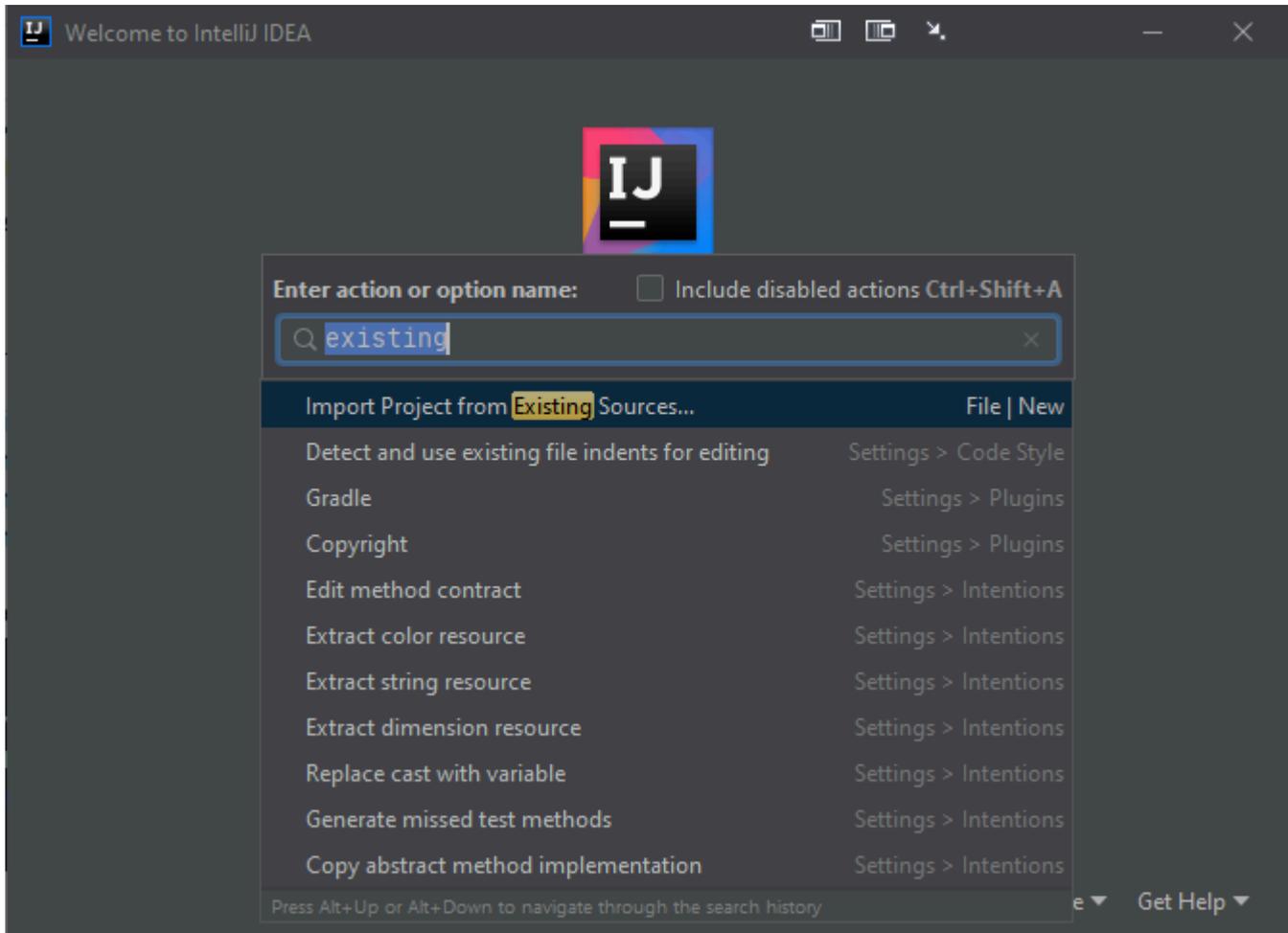
Inside any of these 4 project folders, you may right click and do the following:

- [SVN Update] to update the repository to the latest code changes.
- [SVN Commit...] to view/commit any changes you've made

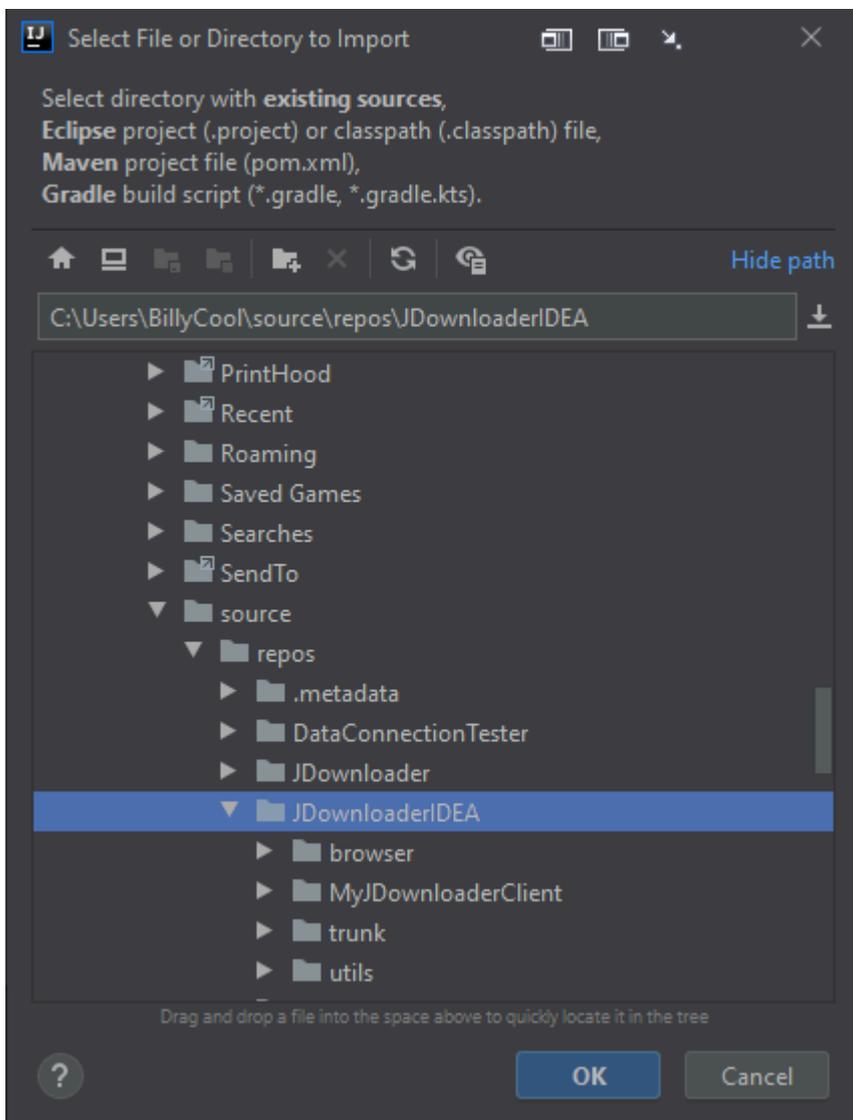
- [TortoiseSVN] → [Show log] to see the recent commit history
- [TortoiseSVN] → [Revert] to revert one or more changes you've made

## Open the JD Projects

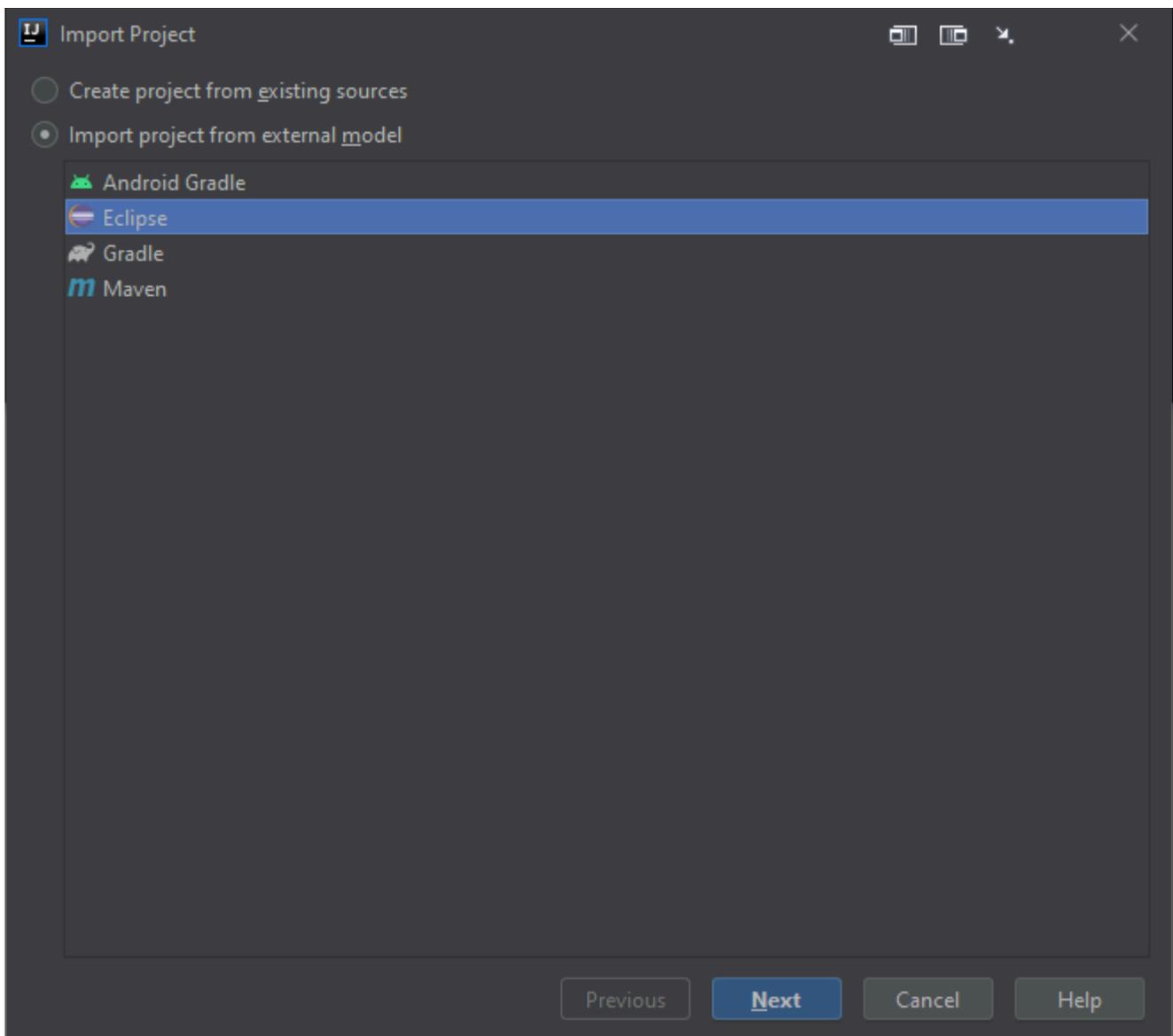
Start IntelliJ IDEA and in the welcome screen, press **Ctrl+Shift+A**, type 'existing', and click '**Import project from existing sources**' from the options.



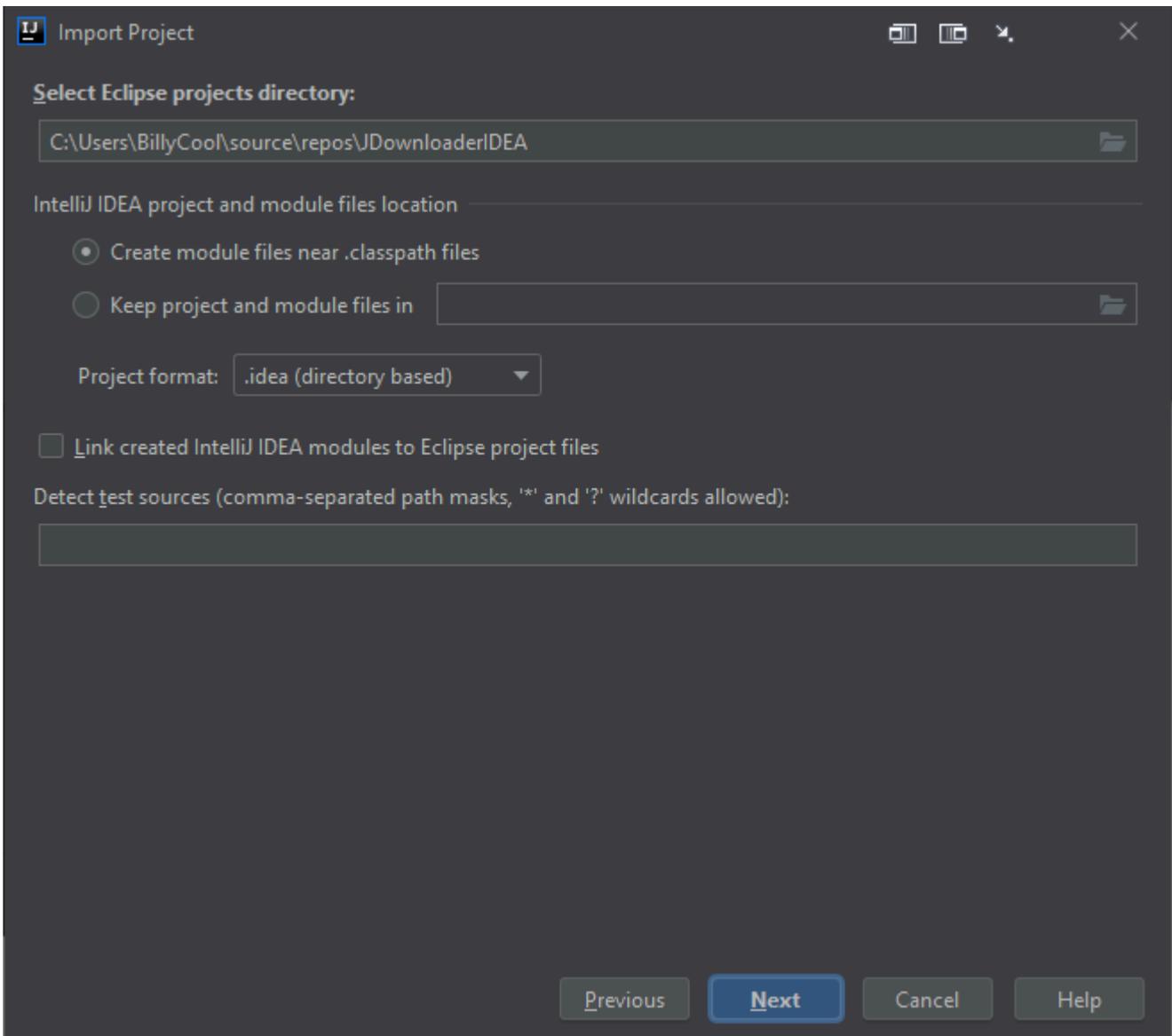
Navigate and select the folder where you checked out the 4 JD Projects and click [OK].



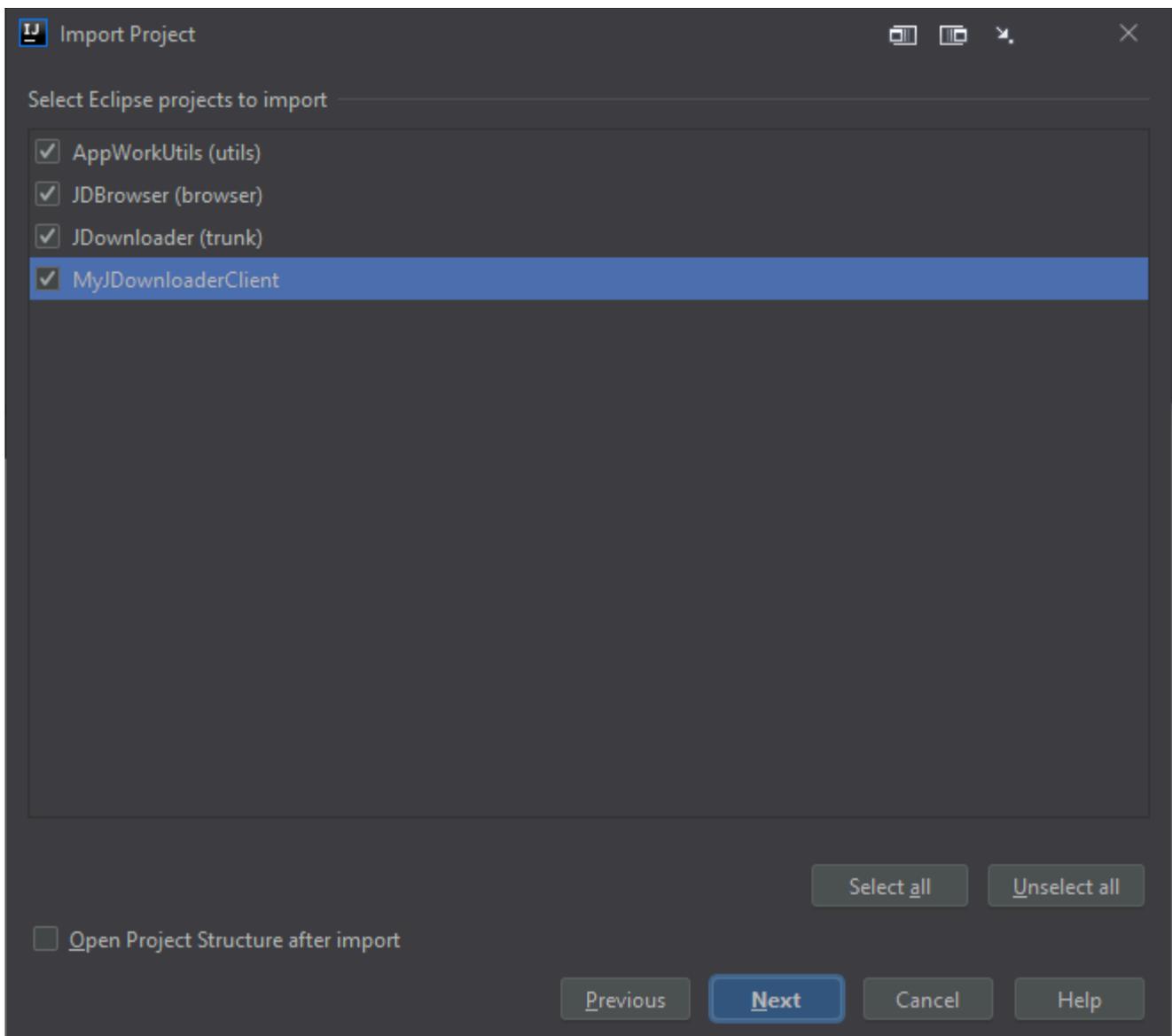
Select [Import project from external model], choose **Eclipse** then click [Next].



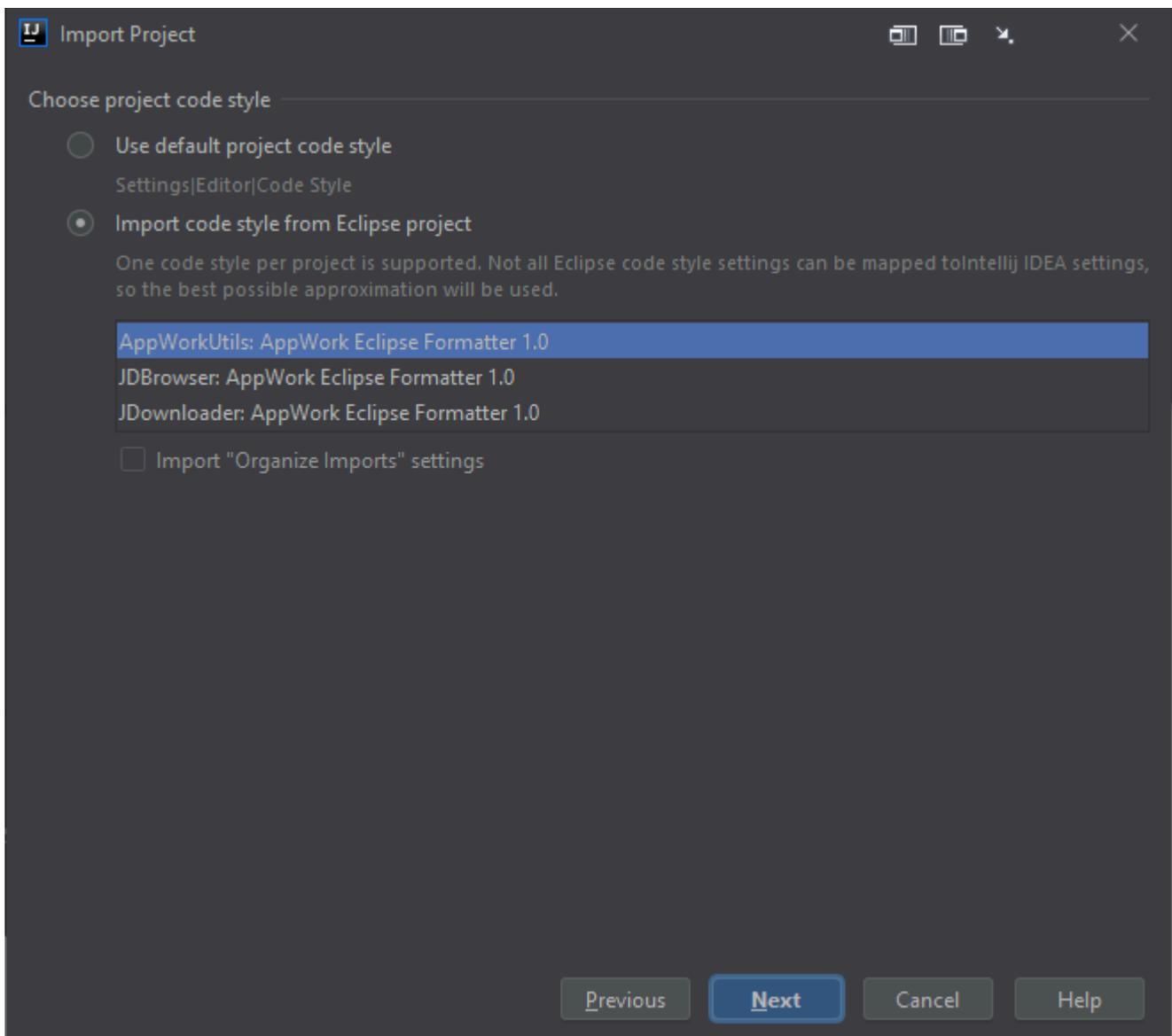
Click [Next].



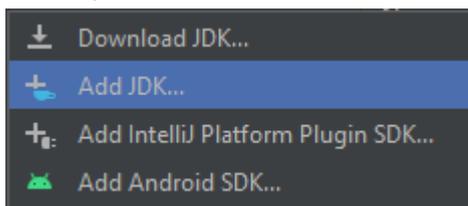
Make sure all 4 projects are detected and selected and click [Next].



Select 'Import code style from Eclipse project' and click [Next].

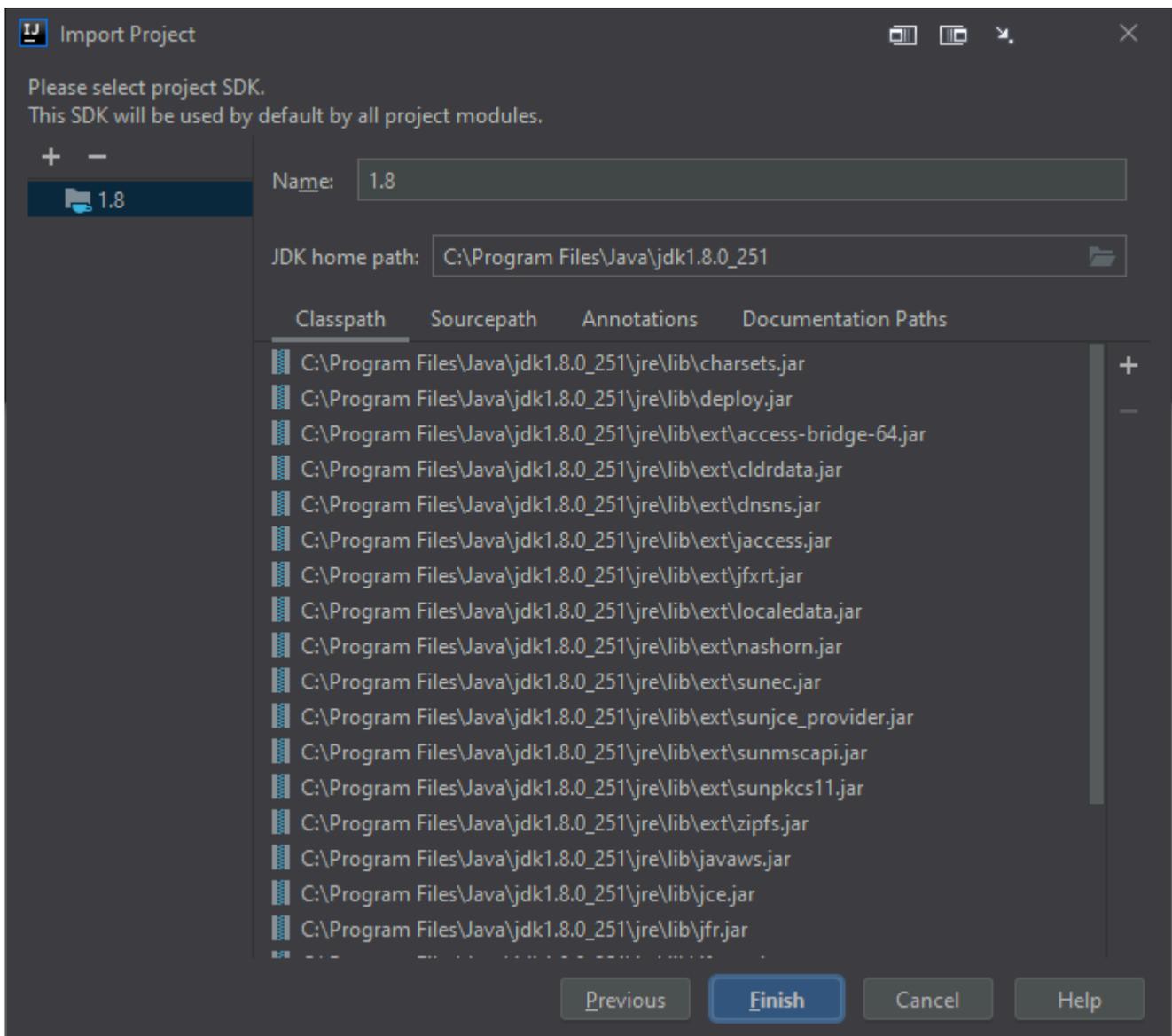


Select your JDK 1.8. IF it is not listed, click the plus icon and select [Add JDK...]

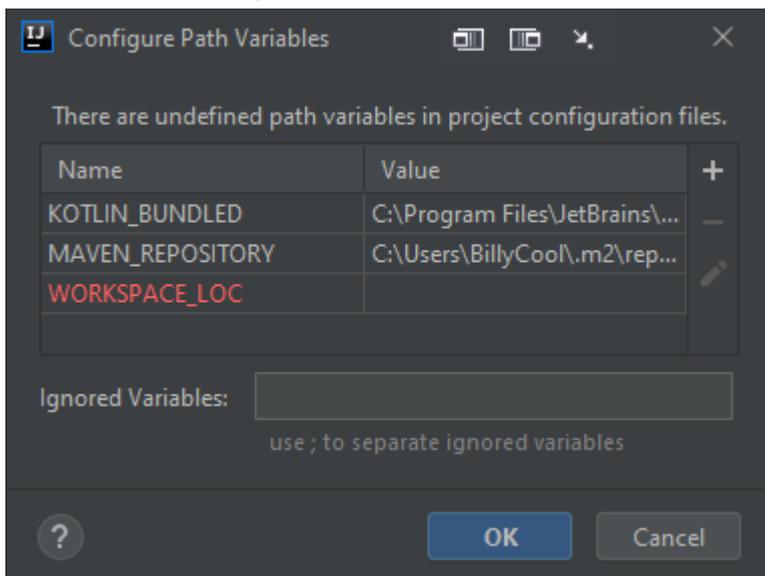


Choose your JDK install directory. Usually this is something like 'C:\Program Files\Java\jdk1.8.0\_251'. Click [OK].

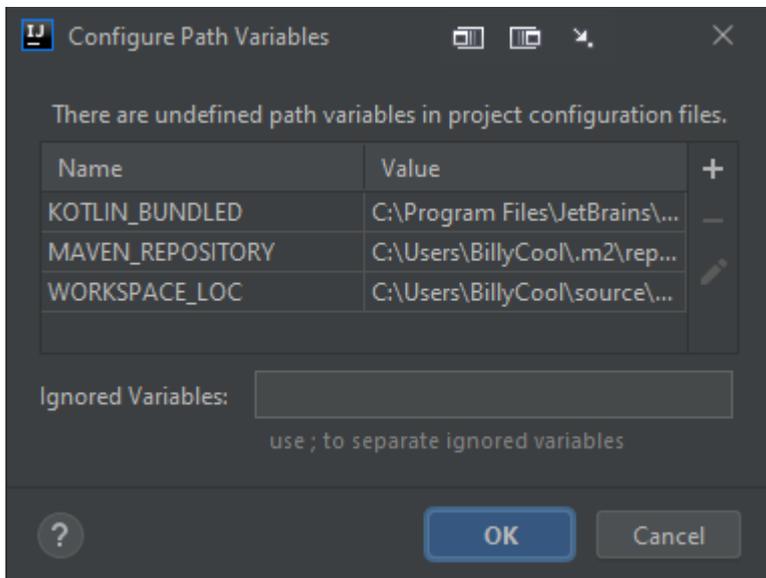
Now that your JDK is added, click [Finish].



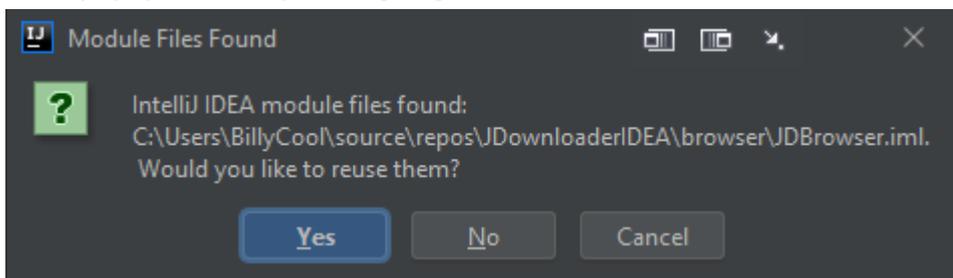
This popup will likely come up. You need to define a workspace location for IDEA.



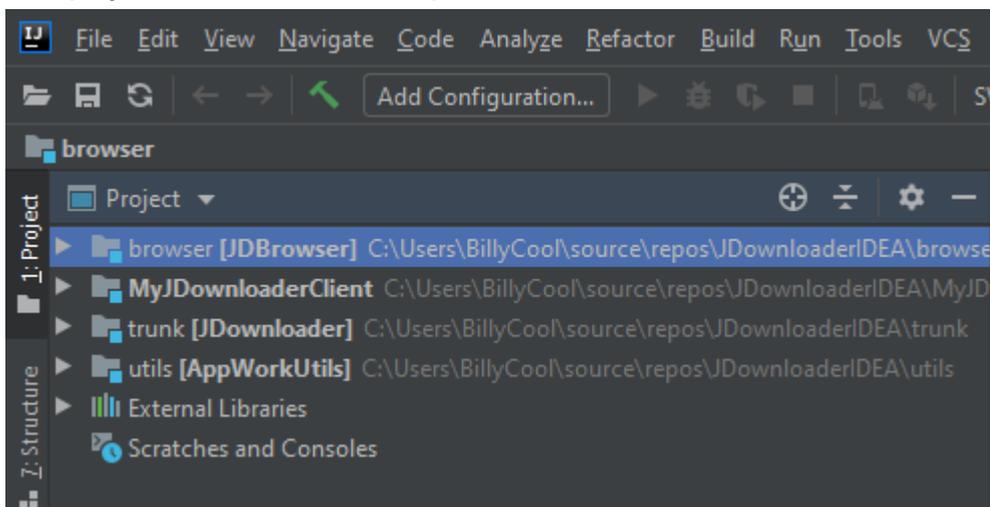
Once set, you can click [OK].



If this popup come sup, click [Yes].

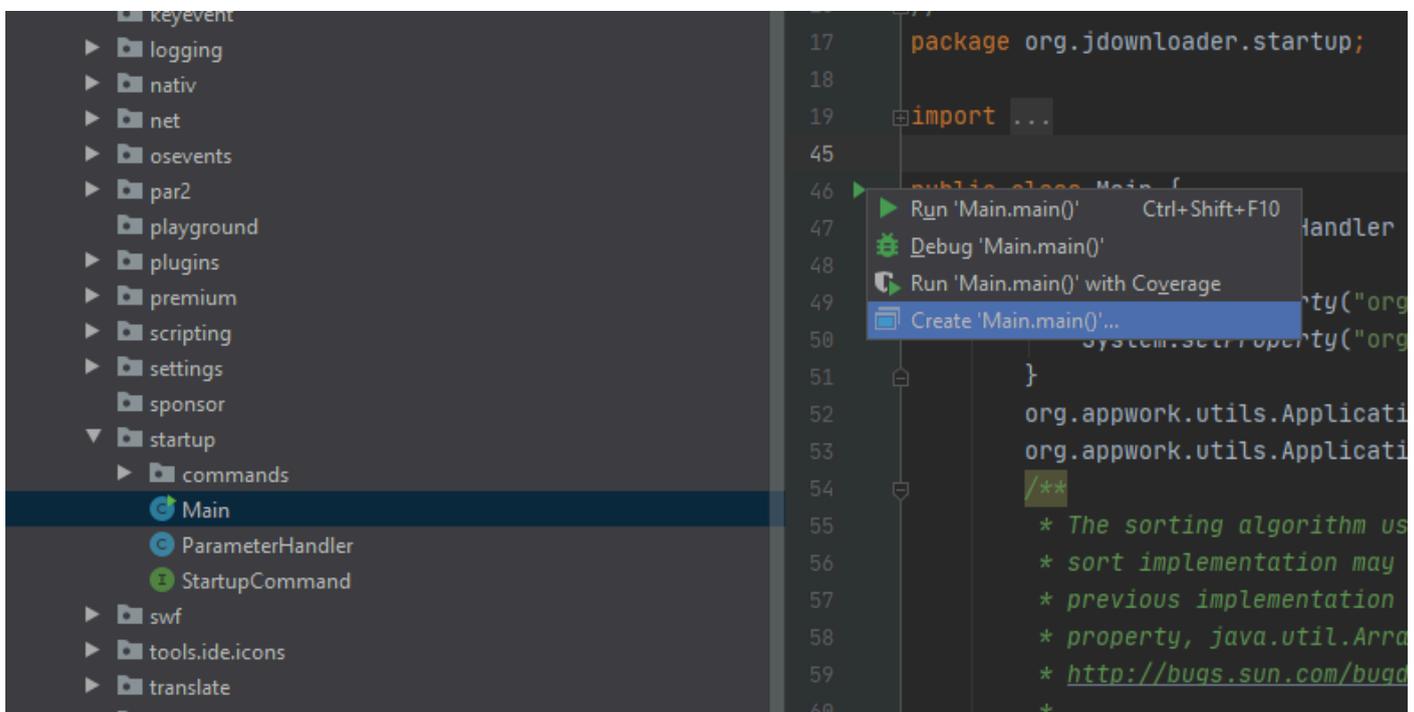


Your projects should now show up.



## Running JD

In the Project panel, , expand the JDownloader project to `/src/org/jdownloader/startup/Main.java`. Double click on **Main.java**. Click the green icon that appears next to the Main class and select [Create 'Main.main()'...].



Make the following changes:

- Add **-debug -n** in the 'Program arguments' field. This will always run a new instance (-n) and enable extended debugging logs (-debug)
- Add **-Xmx512m** in the 'VM options' field. This is used to get around a memory error on startup.

Click [OK] and you are now ready to run or debug JD. You can do so by clicking the same green icon again and selecting 'Run/Debug' or by clicking the same green icon at the top toolbar.

