

School of Computer Science
Language Technologies Institute

DiscourseDB

Developer Setup

Eclipse

- Any recent eclipse version will do
- Make sure it comes with m2e (Maven integration)
- DiscourseDB needs Java8. If you have multiple JDKs installed, make sure eclipse runs on Java8

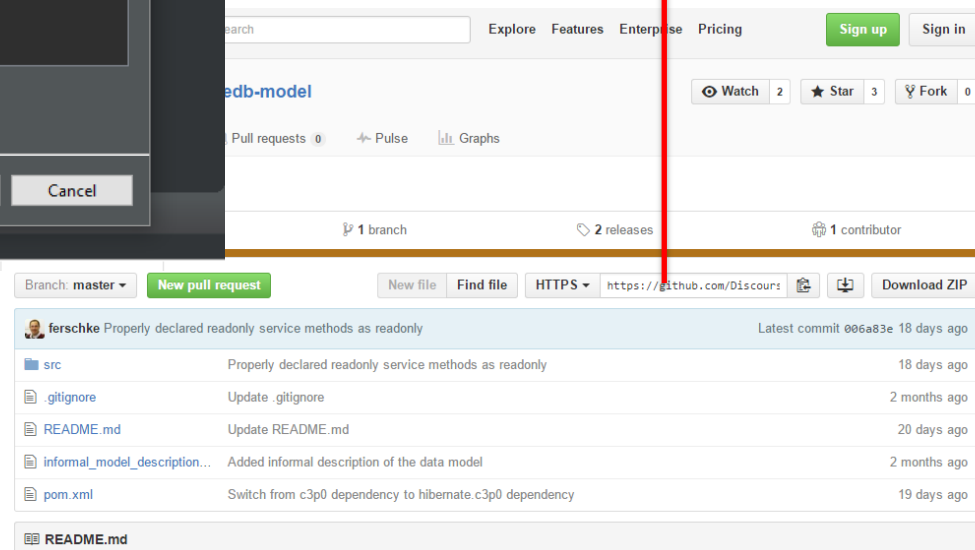
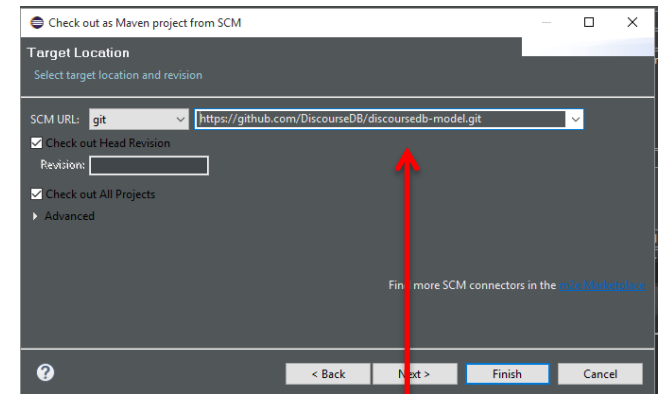
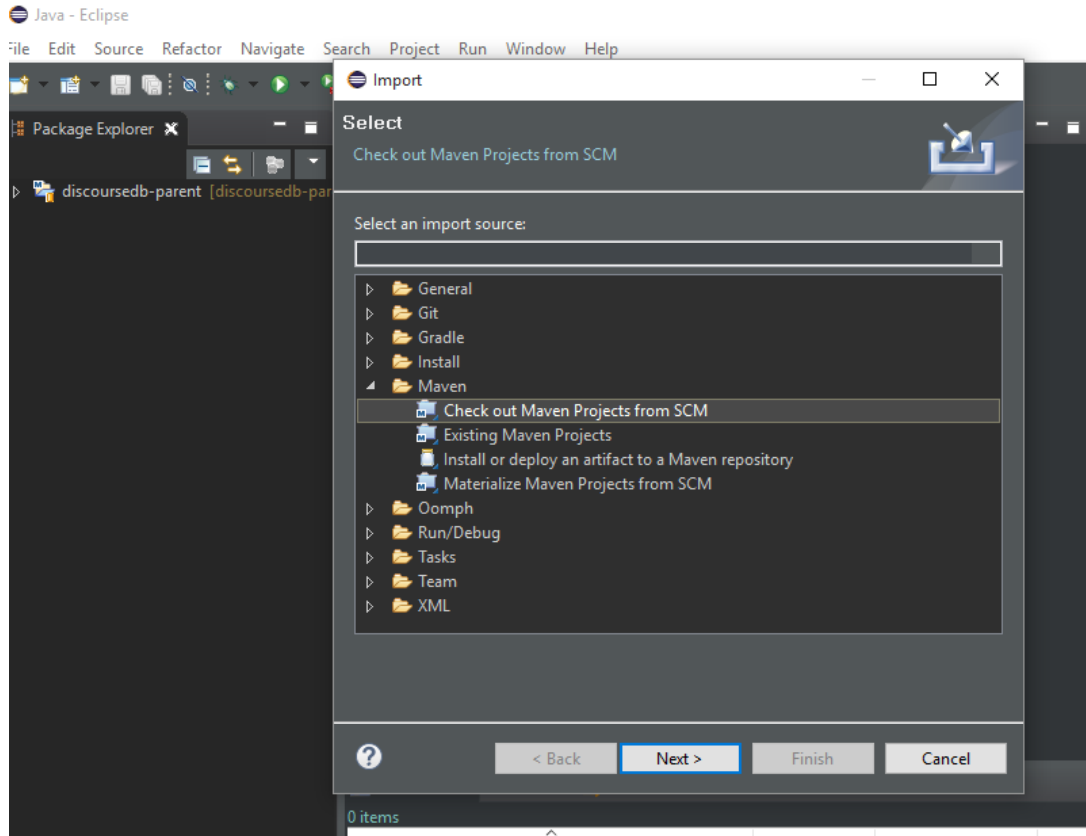
DiscourseDB Projects

- DiscourseDB projects are MAVEN PROJECTS, not Java Projects
- Do not manually add jars to the classpath. Add Maven dependencies.
 - Check availability of your favorite library here:
<https://search.maven.org/>
- Projects are hosted on GitHub. Easiest way of combining GitHub+Maven in eclipse → m2e Team Provider for git

m2e-egit

- Connector between m2e and egit
- M2e marketplace (not eclipse marketplace)
 - Window/Preferences/Maven/Discovery > Open Catalog
 - Find and install **m2e-egit**
- Solution above might not work with newest eclipse
 - Help/Install new Software
 - <https://repository.takari.io/content/sites/m2e.extras/m2eclipse-egit/0.14.0/N/LATEST/>

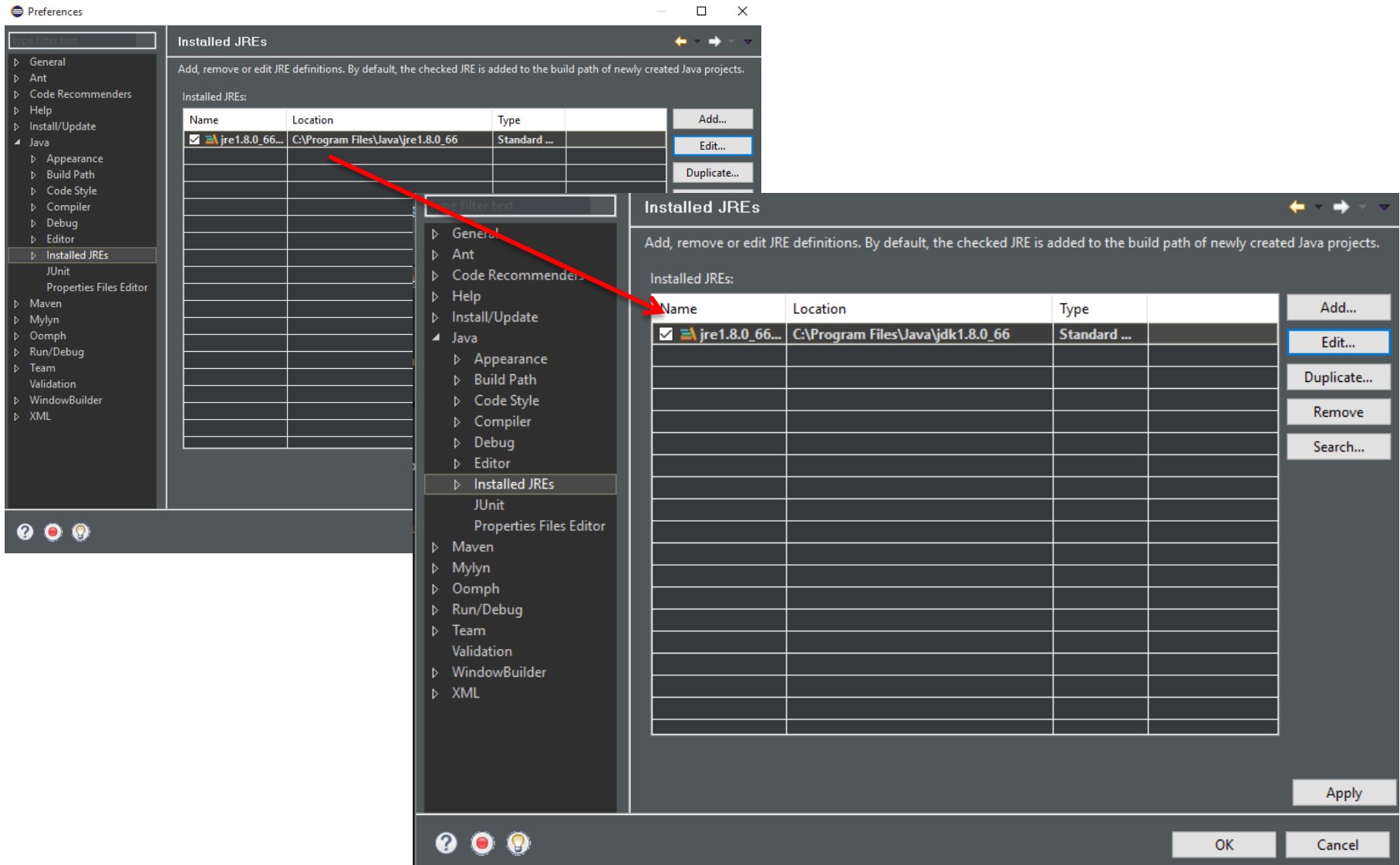
Checking out projects

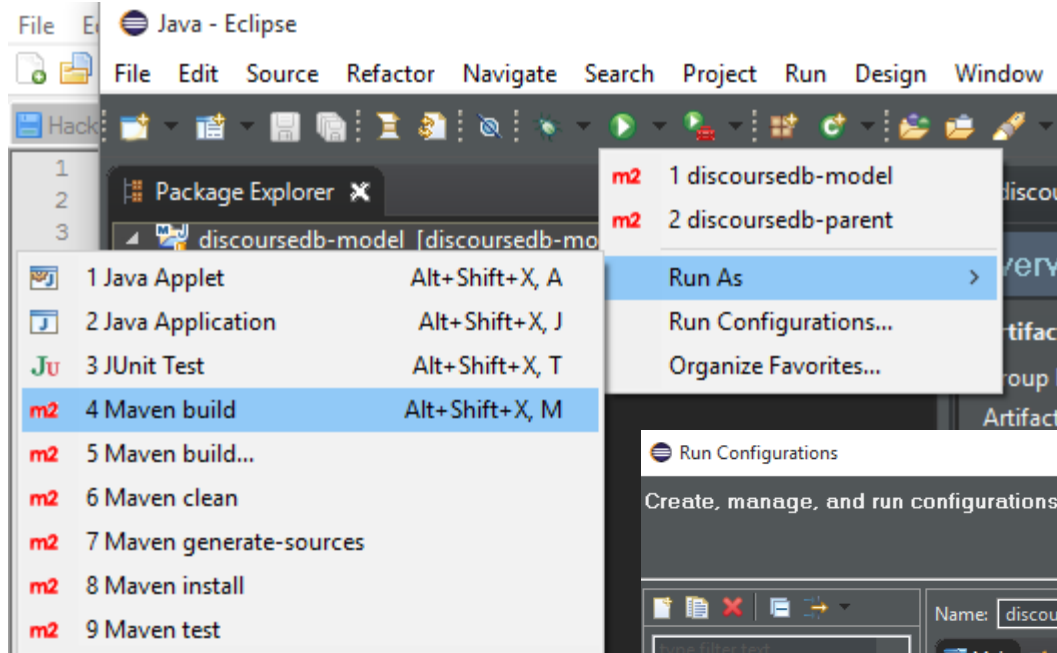


QueryDSL autogenerated Q*classes

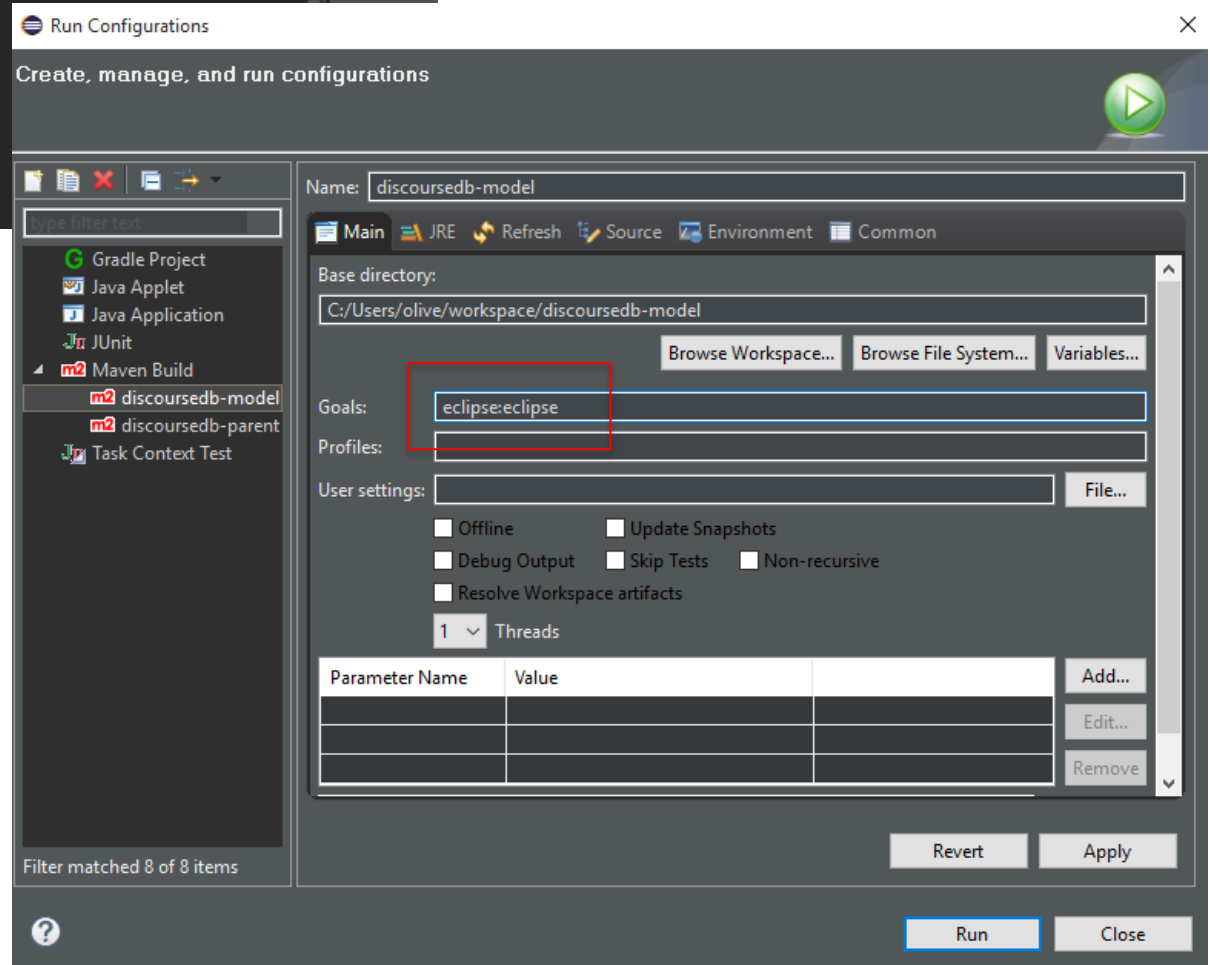
- Works out of the box on most setups
 - Windows machines need some additional configuration
1. Configure eclipse to use JDK rather than JRE
 2. Run maven build-process with eclipse:eclipse goal to fully set up project

Eclipse with JDK instead of JRE





Let Maven set up eclipse project



Optional: Connect to our public Artifactory

- Whenever a change to github is made, Jenkins builds the whole codebase.
 - If the build is successful, a new artifact is created in Artifactory
 - If you connect to Artifactory, you can use any DiscourseDB project as a dependency
- ➔ Only check out what you are working on
– Maven takes care of the rest

Optional: Connect to our public Artifactory

- Create a .m2 subfolder in your home folder
- Create a settings.xml file with the following content (see discoursedb-model README)

```
<?xml version="1.0" encoding="UTF-8"?>
<settings xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.1.0 http://maven.apache.org/xsd/settings-1.1.0.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <profiles>
    <profile>
      <repositories>
        <repository>
          <snapshots>
            <enabled>false</enabled>
          </snapshots>
          <id>central</id>
          <name>libs-release</name>
          <url>http://moon.lti.cs.cmu.edu:8081/artifactory/libs-release</url>
        </repository>
        <repository>
          <snapshots />
          <id>snapshots</id>
          <name>libs-snapshot</name>
          <url>http://moon.lti.cs.cmu.edu:8081/artifactory/libs-snapshot</url>
        </repository>
      </repositories>
      <id>artifactory</id>
    </profile>
  </profiles>
  <activeProfiles>
    <activeProfile>artifactory</activeProfile>
  </activeProfiles>
</settings>
```

- done