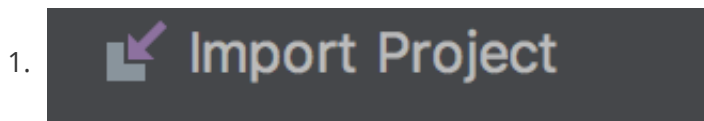


How to set up + build

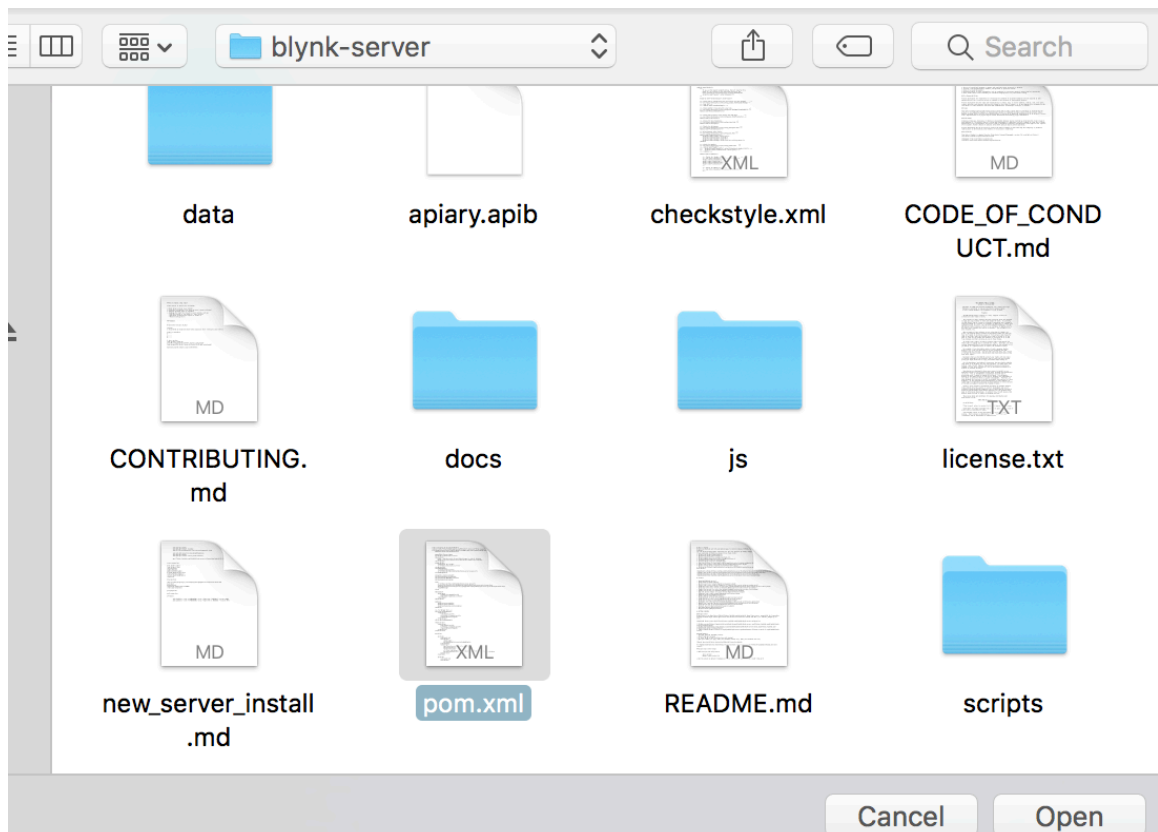
What you need:

- IntelliJ IDEA CE
- git (cmon obviously)
- linux (jk, but it makes things a lot easier)
- Maven 3

1. clone repo: `git clone https://github.com/kstarrmitche/blynk-server.git`
2. Import new project and navigate to the blynk-server parent pom. `blynk-server->pom.xml` and open that.



2. Select the `pom.xml` in the parent folder of the entire project





3. When you initially open the project in IntelliJ, it will give you an option to select "what" kind of project it is. The author of the blynk server is using maven as his build automation tool (this describes how the project is built, as well as any dependencies). Because we selected the POM.xml already in the project, we don't have to go through this process.
4. Click Import Maven Projects automatically on the next screen.





☒ Import Maven projects automatically





















5. Make sure to select profile java9 if you're using it, and your specified environment (win or unix).



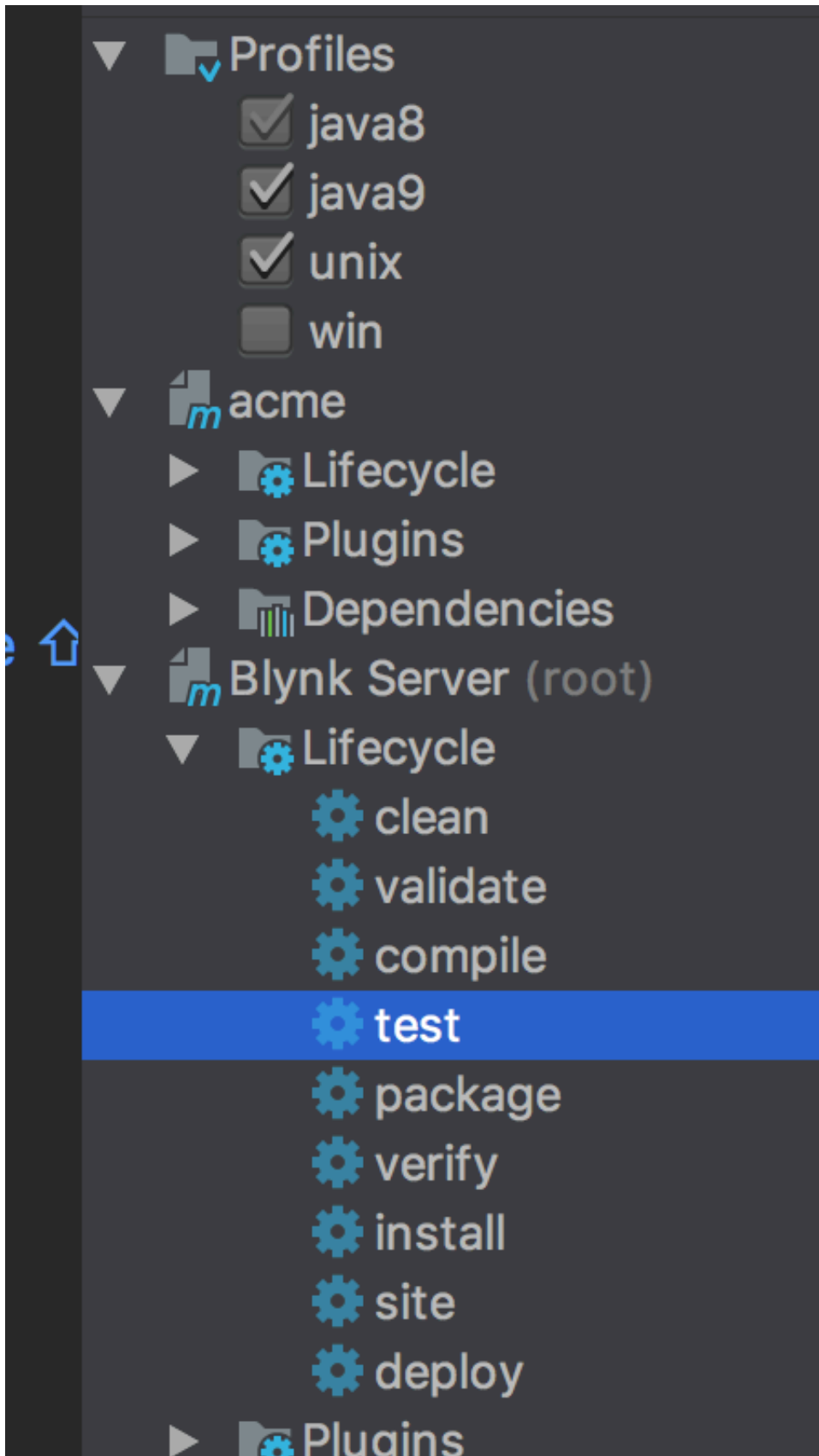
6. Go with the default for the rest of the questions. For the project SDK, I'm using 9.0.
7. Now everything should have opened up for you! But we need to do a few more things. First, Go to `View->Tool Windows -> Maven Projects` in IntelliJ.

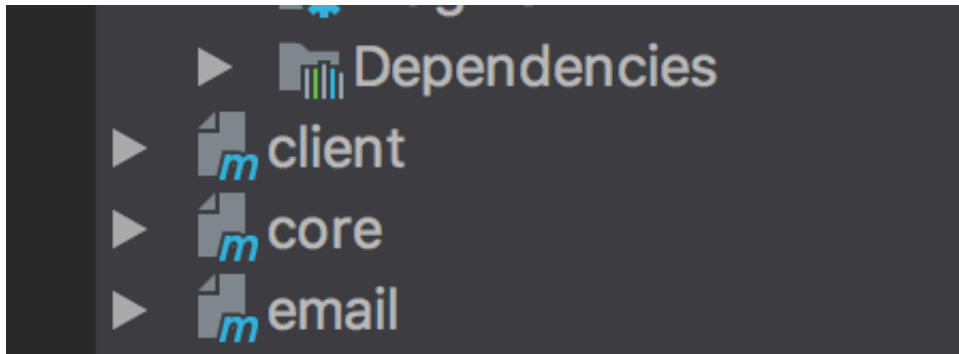
Tool Windows 	
Recent Files	⌘E
Recently Changed Files	⇧⌘E
Recent Changes	⇧⌘C
Quick Switch Scheme...	^`
Toolbar	
Tool Buttons	
✓ Status Bar	
✓ Navigation Bar	
Bidi Text Direction 	
Enter Presentation Mode	
Enter Distraction Free Mode	
Enter Full Screen	^⌘F

 Project	⌘1
 Favorites	⌘2
 Run	⌘4
 Debug	⌘5

-  TODO ⌘6
-  Structure ⌘7
-  Version Control ⌘9
-  Ant Build
-  Capture Analysis
-  Capture Tool
-  Debug Logs
-  Designer
-  Event Log
-  Execute Anonymous
-  Image Layers
-  **Maven Projects**
-  NI-Palette
-  Palette
-  Palette
-  Properties
-  Salesforce
-  Terminal ⌘ F12
-  Theme Preview
-  UI Designer

8. A neat little thing on the side should have popped up! A "Maven Projects menu". From here, you have access to all the maven commands your heart desires. This list ALL the current projects in your directory. When you expand a specific project, it lists lifecycle, plugins, and dependencies!





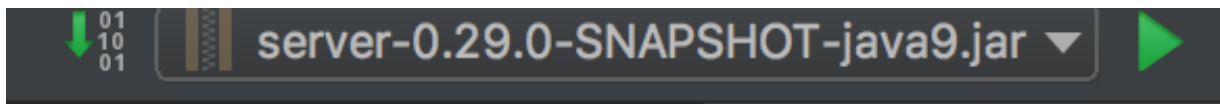
9. In the blynk-server repo, he says that to build, we must follow this command: `mvn clean install -Dmaven.test.skip=true` This can be done by pressing the "execute maven goal" in the toolbar of the maven projects section. It looks like this:



10. To build, run this: `mvn clean install -Dmaven.test.skip=true`. After you do that, all of the proper jar files should have been generated in `Blynk-server->server->launcher->target->server-0.29.0-SNAPSHOT-java9.jar`

woohoo!

11. create a /data folder for the next step, in which we'll run the project.
12. To run the server, click on the jar file. it should say that a server is running! Additionally, you can set up "configurations" next to the "Build project" button on the top right.



```
java -jar server-0.28.5.jar -dataFolder /path
```

13. Hit edit configurations for that server jar file

