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# **INSTALLATION DOCUMENT**

To be able to use the P2P file sharing application, the Installation requirements are as follows :

It is assumed that the User has an Operating System installed on his hardware device before following the steps of Installation guide. With the helps of the links and descriptions provided, the User is expected to finish the Installation process.

# **Install JAVA**

1. Make sure you download java SE 1.8 for the product to exhibit expected results.
2. <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
3. Set java path in env variables
4. http://www.computerhope.com/issues/ch000549.htm

# **Set up Eclipse**

1. Install Eclipse IDE for Java SE Developers
2. Help -> Install new software -> add and use <http://download.eclipse.org/technology/m2e/releases>
3. Add it and press the following nexts.

# **Set up backend**

1. In Eclipse -> File -> Import... ->
2. Maven -> Existing Maven project -> next -> choose root directory
3. Chose project /Octopus/P2P/pom.xml-> finish
4. Now it should be open in Project Explorer
5. Run the project as normally
6. Something should be loading now and lots of red lines will appear
7. Type in web browser <http://localhost:9999/rest/rest/test/>
8. {"name":"Fidde","surname":"Lass","age":32} should appear and you are ready to go!

# **Install Mysql**

**A. For Ubuntu OS**

1. In the command prompt,install MySQL using the command sudo apt-get install mysql-server
2. When prompted for password, type “root”.
3. After installation,connect to the MySQL database server using the command

mysql -u root -p

4. To learn more about MySQL follow the link

<https://www.digitalocean.com/community/tutorials/a-basic-mysql-tutorial>

**B.For Windows OS**

1. Download the community edition from the link below <http://dev.mysql.com/downloads/>
2. Follow the installer program instructions.
3. When asked for username and password, set both username and password as "root".
4. After setup, create any database.
5. Note: Be careful about setting the above mentioned username and password to avoid trouble in connecting to database.

# **Build whit Maven**

Make sure you have maven: *mvn -version*

1. Cd to directory P2P
2. mvn package
3. cd target
4. java -jar .\Octopus-0.0.1-SNAPSHOT.jar

NOTE : If the server can't come up you need to close the existing connection or change port. A program that can be used is TCPView but it is only for Windows.

Create folder tmp in order to have a folder that will not be included in git repository. If one wants another folder name, please add the folder name to git ignore.