

# README

## How to load the project in Eclipse

1. Open eclipse and click on the menu File -> Import.
2. In the Import window that pops up expand the General folder and click "Existing Projects into workspace" then click next.
3. Choose the "Select archive file" radio button and click browse. Navigate to and select the phase1.zip file and click "Open". You should see the "ChatProject" project appear in the Projects list. Make sure that it is selected and click finish.

## How to compile and run the source code

1. Click on the menu Run -> Run Configurations.
2. Click on the Java Application configuration heading. It is an option in the left portion of the Run Configurations window that pops up. Then select the new launch configuration button at the top of the run configuration window.
3. Set the name of the configuration to "Server" then click the search button located in the main class portion of the window.
4. A select main type window will appear with a list of matching items. Select the "ServerDriver" main class and click "OK".
5. Click the arguments tab at the top of the Run Configuration window. Enter the following string "56789 SampleData 7915263201BE760C9844AFEB105C33DE 20FC19123087BF6CAC8D0F1254123004". It specifies the server port number, the encrypted password file and the AES symmetric key and initial value(IV).
6. Click the apply button to save your configuration.
7. Select the new launch configuration button at the top of the run configuration window.
8. Set the name of the configuration to "AnonymousClient" then click the search button located in the main class portion of the window.
9. In the main type window appears with a list of matching items. Select the "Anonymous" main class and click "OK".
10. Click the apply button to save your configuration.
11. Select the new launch configuration button at the top of the run configuration window.
12. Set the name of the configuration to "HelpDeskClient" then click the search button located in the main class portion of the window.
13. In the main type window appears with a list of matching items. Select the "HelpDesk" main class and click "OK".
14. Click the apply button to save your configuration.
15. To run the server, click on the server configuration and click the run button in the bottom right corner of the Run Configuration window.

16. To run the anonymous client , click the AnonymousClient configuration and click the run button in the bottom right corner of the Run Configuration window.
17. To run the help desk client , select the HelpDeskClient configuration and click the run button in the bottom right corner of the Run Configuration window.
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