

README

c) Deliverables(PDFs, runfiles, Log files) are included in the deliver/projectx subdirectory. Where x represents the project#

How TO TEST:

COMMAND LINE:

To clean, build and create JARs for all projects' code please type in the KeyVs folder:

"\$ant clean"

"\$ant jar"

Following which change directory to point to project you're testing, for example:

"cd deliver/project3"

After which,

"\$sh Integration_Test.sh"

This will run the integration tests and a range of tests dedicated to checking all the functionalities and commands supported by the system are working as expected. The driver is written in python found in the RMIClient folder under integration_test.py.

To simulate the results shown in OUTPUT.pdf, execute:

"\$sh Unit_Test.sh"

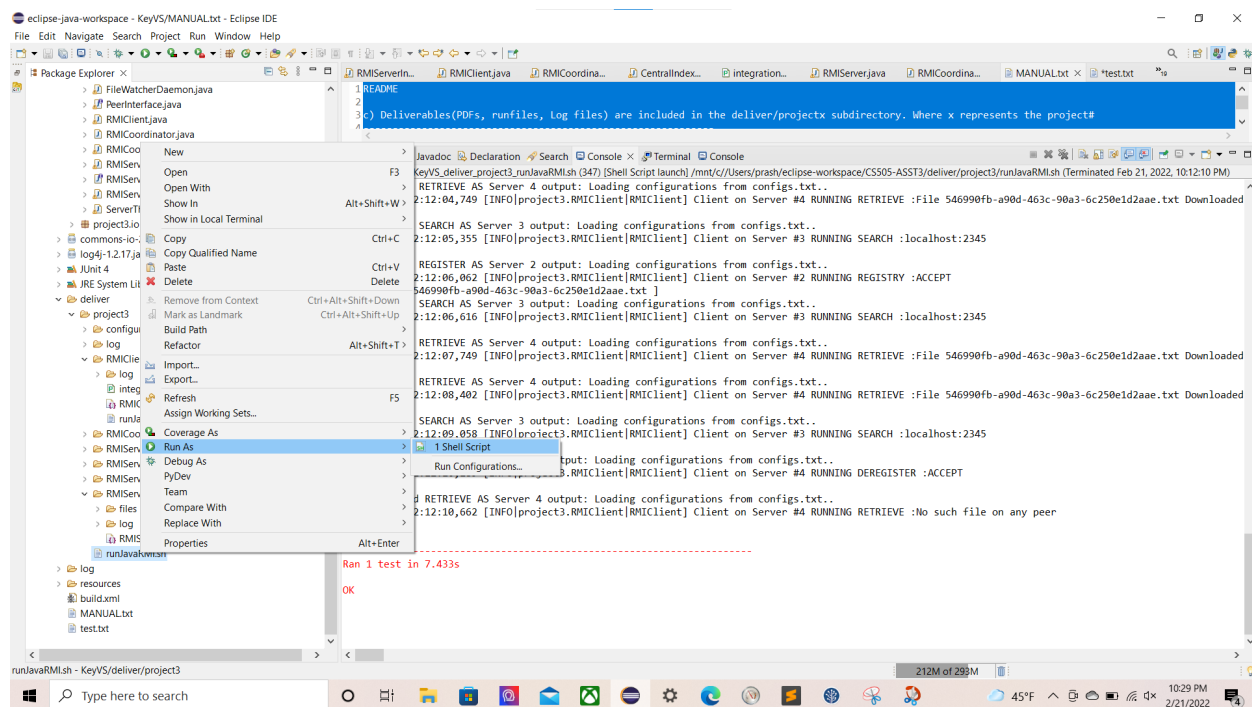
To simulate the profile results shown in PERFORMANCE AND RESULTS.pdf, execute:

"\$sh Profile.sh"

The RMISuperPeerClient is a driver program to run on top of the Gnutella Super Peer to make them behave like Peers in P2P would. The config file in configuration folder determines the topology as linear and also the host and port details.

OR ECLIPSE

Please install Eclipse for Java and then follow the screenshot!



ANY TESTCASE:

The tests in *RMIClient/integration_tests.py* are complete and they show expected behavior. As you can see all my tests are passing.

To quickly test if its working cd *RMIClient* folder and add your commands in the **runJavaRMIClient.sh** file.

```
java -jar -DclientId=1 -DserverChoice=5 RMIClient.jar QUERY_MESSAGE alpha.txt
```

The above command says that the Gnutella cluster 1 should download alpha.txt from the Glutella network by applying the protocol and save the file alpha.txt in the RMIServer in Gnutella cluster 1.

Do ensure to watch the output of this command as it may get swamped by other updates. Alternatively, also possible to add such a command at the end of `integration_tests.py` as a new testcase and check if it passes!

At startup all the servers will register their files automatically because of the "FILE_MODIFIED" watcher event that will poll for changes made to filesystem.