

Manual

This document contains the procedure to run the server and client program of Napster style file sharing system.

The following are the files required to run the program

IndexSever : IndexRegisterOperate.java , IndexServer.java ,ServerProperty.properties,
makefile (optional)

PeerCode: Peer.java,PeerServer.java, PeerProperty.properties,makefile(optional)
PeerRegisterTest.java and PeerForLookUpTest.java(used for performance
evaluation)

First execute the server program and then the client program , find the steps to execute below

Server side:

1. Execute the 'make' command in the source code folder of Index Server
(Folder name: IndexServer).
\$ make
2. Step1 generates the .class files for the IndexServer.java and IndexRegisterOperate.java in case the compilation of source code is successful
3. Execute the following command to begin the Index Registry Server
\$ java IndexSever
4. On execution of step '3' there is a pop up window to choose the property file for Server side from your system location.(ServerProperty.properties)
Note: the Property file has the port on which the Server is listening, you can change it to any number in the range 1024 to 49151.

Client

1. Execute the make command in the source code folder of PeerCode
\$ make
2. Step1 generates the .class files for the Peer.java and PeerServer.java in case the compilation of source code is successful.
3. Note: the makefile compiles the performance testing scripts as well
4. Choose the property from the file Chooser
Edit property file according to your server and client Ip port

ServerProperty.properties

This property file has the server port

The PeerProperty.properties file contains the following attributes

serverIP : The index server's Ip

serverPort: The index server's Port

clientPortNum: The peer's port IP

sharedFilesLocation= the location of shared folder location in peer

fileDownloadLocation=the folder location where the downloaded files will be stored.

Make file commands

Command to compile the Peer Code execute makefile of Peer code

Command : make

Output: .class files of Peer.java and PeerOperate.java files are generated

To remove the old .class file (in case the java files have to be recompiled)

Command: make clean

To recompile only a specific java file

Command make < filename.class>

Note :

If your running the server or clients on vm make sure the IP is not using NAT