

Manual

Following is step by step procedures of system execution.

1. Deploy source code residing in 'Source Code' folder to different machines or different directory. 'Server' folder contains java files for index server. 'Peer-1', 'Peer-2' and 'Peer-3' contains java files for peer1, peer2 ,peer3 respectively.

2. Compile and run Server.java file.
Enter command: 1)makefile 2) java Server

If server socket is created successfully then it will display message "Server Start...ENJOY" .

3. On Peer-1 machine, run (1)makefile and then type(2) java Peer.
It will not asks for index server's IP address to make connection because localhost ip is already added in the destination IP in Info_Peer.java file for simplicity.

4. If connection is successful then it will asks to select operation. For example, press 1 to register the files, press 2 to search and press 3 to exit. Give appropriate input.

5. If you select to register, all information such as IP address, physical address, port number on which it listens to other peers and file list to indexing server .Save all info in log file

and also shown on terminal.

6. If you select to search, system will ask to enter file name. If file is available in any of the registered peers, system will display list of peer with sequence number. Enter sequence number to select particular peer and download file from it. Path where file is downloaded is displayed after download completes. If file is not available with any of the peers, system will display "File does not exist" message.
7. If you select to exit then peer programs stops execution.
8. For other peers, you may perform step 3 to 7 steps concurrently.