

# README

**Setup:** 1 Main Server and 4 Peer Servers.

**Package: mainserver:** Contains the code classes for the main server.

**Package: peerserver:** Contains the code classes for the peer servers

**Package: util:** Contains the utility code for the main and peer servers

**File: Hosts.java:** Contains the hostnames and port numbers of the main server and the participating peer servers. Any new peer servers can be easily added to the network by adding their address and port number in this file.

## **To run MainServer:**

1. Run mainserver/MainServer from the server machine
2. It starts listening for connections.

## **To run PeerServers:**

1. Run peerserver/MainPeerServer class passing in the command line arguments (1,2,3 and 4 for the four peer servers respectively) to bring up each of the peer servers.
2. Running them on four machines will open a user interface for each of them from which user can send/receive/delete a file.

## **To send a file from a Peer server**

1. Select "Select File" button on the GUI
2. Select the file from the folder on which you stored your Peer Server code.
3. Select "Ok". The file name is displayed in the "File Name" text field
4. Enter a key for the file.
5. Press "SEND".

### **To retrieve a file to a Peer Server**

1. Enter this file name in the "File Name" text field.
2. Enter the correct key for the file.
3. Press "RECEIVE".
4. To look up the files that were sent previously, click on "Sent Files" button.

### **To delete a file sent from the Peer Server**

1. Select "Sent Files" button on the GUI to view the names of the sent files.
2. Enter the file that you wish to delete in the "File Name" text field.
3. Enter the correct key for the file.
4. Press "DELETE".