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**Requirements: 4+ Machines with open ports on 40230-40239**

**NOTE: This is the simplified version which assumes the ports hard coded are open on the machines. The folder “BACKUP” contains the files in which the ports have to be changed manually; it includes a different readme on how to set it up.**

How to run:

1. Starting from line 249 to 279 in DHTServer.java, change the IP Addresses, where to make sure to have Server 1 connect to the IP of Server 2, Server 2 to Server 3, Server 3 to Server 4, and Server 4 to Server 1. i.e. change the insides of “” on these lines:

connectToNextServer(“IP Address of the next one”,port);

serverIP = InetAddress.getByName(“Current machine’s IP Address”);

1. Send the files to 4+ machines
2. Run cmd on 4 machines.
3. Compile on all machines
4. Type in “java DHTServer [serverID]”
   1. Ex: java DHTServer 4 on the machine with the IP Address configured earlier
      1. Make sure that you run Server ID 1 last, because Server ID 1 will send a request to Server ID 2. Server IDs 2 to 4 are waiting for responses and when they receive a response they will send a request to their successors.
5. Run another cmd on a different machine (or one of the machines in the DHT ring)
6. Type in “java P2PClient”
7. Type in 1 to get all the IPs
8. If the client has the files on desktop, inform the DHT by typing 2 and entering the file name without the extension.
9. If the client wants to get the files that are in DHT (meaning a P2PClient has done action 2 before), type in 3 and type in the file name.
10. Type in 5 to exit, it will tell all the DHT Servers and the DHT Servers will delete the records.