

Manual

Starting Server

- 1) Go to folder ServerSourceCode and open **config.properties**
 - a. Enter the port where server will keep listening
Eg. server.port=9999
- 2) Open terminal
- 3) Go to directory ServerSourceCode
- 4) Type command – ant clean

```
abhijeet@abhijeet-Inspiron-5547:~/Nikhil$ cd ServerSourceCode/
abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ServerSourceCode$ ant clean
Buildfile: /home/abhijeet/Nikhil/ServerSourceCode/build.xml

clean:
    [delete] Deleting directory /home/abhijeet/Nikhil/ServerSourceCode/build

BUILD SUCCESSFUL
Total time: 0 seconds
```

- 5) Type command – ant compile

```
abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ServerSourceCode$ ant compile
Buildfile: /home/abhijeet/Nikhil/ServerSourceCode/build.xml

compile:
    [mkdir] Created dir: /home/abhijeet/Nikhil/ServerSourceCode/build/classes
    [javac] /home/abhijeet/Nikhil/ServerSourceCode/build.xml:9: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last;
    set to false for repeatable builds
    [javac] Compiling 3 source files to /home/abhijeet/Nikhil/ServerSourceCode/build/classes

BUILD SUCCESSFUL
Total time: 1 second
```

- 6) Type command – ant jar

```
abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ServerSourceCode$ ant jar
Buildfile: /home/abhijeet/Nikhil/ServerSourceCode/build.xml

jar:
    [mkdir] Created dir: /home/abhijeet/Nikhil/ServerSourceCode/build/jar
    [jar] Building jar: /home/abhijeet/Nikhil/ServerSourceCode/build/jar/SocketServer.jar

BUILD SUCCESSFUL
Total time: 0 seconds
```

- 7) Type Command – ant run

```
abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ServerSourceCode$ ant run
Buildfile: /home/abhijeet/Nikhil/ServerSourceCode/build.xml

run:
[java] Server starting at : 9999
[java] Server is up!!
[java]
```

The server is now UP!!

Starting client

- 8) Create two folders in home directory as below

/home/{user}/share

/home/{user}/download

For multiple clients on single system create share and download folders for each client and update their config.properties accordingly as mentioned in step 10

- 9) Put the files you want to register under folder - /home/{user}/share

You can any time put files under this folder and register them any time

- 10) Open file **config.properties** which will be in ClientSourceCode folder

- a. Change the folder properties as below

peer.share.fileDir=/home/{user}/share/

peer.download.fileDir=/home/{user}/download

- b. Change the server IP address and port. Give the ip address of the system where you just started the server also update the port number

Eg.

server.ipAddress=192.168.1.144

server.port=9999

- 11) Open terminal

- 12) Go to folder ClientSourceCode

```
abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ClientSourceCode$
```

- 13) Type command – ant clean

```

abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ClientSourceCode$ ant clean
Buildfile: /home/abhijeet/Nikhil/ClientSourceCode/build.xml

clean:
    [delete] Deleting directory /home/abhijeet/Nikhil/ClientSourceCode/build

BUILD SUCCESSFUL
Total time: 0 seconds

```

14) Type command – ant compile

```

abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ClientSourceCode$ ant compile
Buildfile: /home/abhijeet/Nikhil/ClientSourceCode/build.xml

compile:
    [mkdir] Created dir: /home/abhijeet/Nikhil/ClientSourceCode/build/classes
    [javac] /home/abhijeet/Nikhil/ClientSourceCode/build.xml:9: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last;
    set to false for repeatable builds
    [javac] Compiling 8 source files to /home/abhijeet/Nikhil/ClientSourceCode/build/classes

BUILD SUCCESSFUL
Total time: 1 second

```

15) Type command – ant jar

```

abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ClientSourceCode$ ant jar
Buildfile: /home/abhijeet/Nikhil/ClientSourceCode/build.xml

jar:
    [mkdir] Created dir: /home/abhijeet/Nikhil/ClientSourceCode/build/jar
    [jar] Building jar: /home/abhijeet/Nikhil/ClientSourceCode/build/jar/SocketClient.jar

BUILD SUCCESSFUL
Total time: 0 seconds
abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ClientSourceCode$ █

```

16) Type command – ant run

```

abhijeet@abhijeet-Inspiron-5547:~/Nikhil/ClientSourceCode$ ant run
Buildfile: /home/abhijeet/Nikhil/ClientSourceCode/build.xml

run:
    [java] *****
    [java] *   Distributed File System   *
    [java] *****
    [java] 1. Register file on server
    [java] 2. Search and download file
    [java] 3. Shutdown Client
    [java] Enter your choice :

```

The client is now started!!

For starting multiple clients repeat steps 8 - 16