

Deatais of **config.property** are as follows.

1. **ServerPort** : This is Peer's server port number of.
2. **TotalPeer** : This number of peers need to active to start program.  
If "TotalPeer = 8" then Client1 to Client8 should active to start program.  
  
eg.  
If TotalPeer = 2, then Client1 and Client2 should be running to start functionality.

PORT Dependency =>

1. '**config.property**' file details are as follows :

```
ServerPort = 4410
TotalPeer = 8
Client1 = 192.168.0.999:4410
Client2 = 192.168.0.105:4420
Client3 = 192.168.0.105:4430
Client4 = 192.168.0.105:4440
Client5 = 192.168.0.105:4450
Client6 = 192.168.0.105:4460
Client7 = 192.168.0.105:4470
Client8 = 192.168.0.105:4480
Client9 = 192.168.0.105:4490
Client10 = 192.168.0.105:5500
```

2. Suppose **ServerPort** values is "ABCD", then this "ABCD" port should be present in listed Client's IP and PORT like.

```
ServerPort = ABCD
TotalPeer = 8
Client1 = XXXX.YYYY.ZZZZ.MMMM:ABCD
```

3. So 'XXXX.YYYY.ZZZZ.MMMM' should be the **IP address** of PEER.

3. From details mentioned above,

```
Peer's IP address is 192.168.0.999
Peer's ServerPort is 4410
```

**How to run code :**

I have provided total 8 instance code. Project name are from A2\_1, A2\_2, ..., A2\_8. If you just want to test the code for 3 Servers only, you need make sure you make following changes :

1. Change '**TotalPeer**' value to 3.
2. Make changes in all '**config.property**' file present in **A2\_1, A2\_2** and **A2\_3**.
3. Now its done, now you can run functionality on 3 servers.
4. Run A2\_1, A2\_2 and A2\_3 server.

Following are details about how to run the servers :

#### **Guidelines :**

##### **I. Client1**

1. Suppose, Project name is "**A2\_1**" .
2. Suppose, Project path is  
/home/sachin/Documents/cs550/workspace/A2\_1
3. Location of config.property file will be at :  
/home/sachin/Documents/cs550/workspace/A2\_1/config.property
4. Location of build.xml file will be at:  
/home/sachin/Documents/cs550/workspace/A2\_1/build.xml
5. Generated Jar file path will be at :  
/home/sachin/Documents/cs550/workspace/A2\_1/dist/A2\_1-20150920.jar
6. Command to build project :

```
/home/sachin/Documents/cs550/workspace/A2_1$ ant
```

```
/home/sachin/Documents/cs550/workspace/A2_1$ java -jar dist/A2_1-20150921.jar
```