### Lab – 3: GNS3 and Cisco Packet Tracer Documentation

## GNS3

Arrangement of Routers as Client and Server:



## Configuration of server Part – 1:

## Configuration of server Part – 2:

```
\equiv
                                                                              ×
                                        Server
Server#dir flash:
Directory of flash:/
    1 -rw-
                      894
                                               <no date> startup-config
7864316 bytes total (7863356 bytes free)
Server#config t
Enter configuration commands, one per line. End with CNTL/Z.
Server(config)#int f0/0
Server(config-if)#ip address 192,168,12,2 255,255,255,0
Server(config-if)#no shut
Server(config-if)#end
Server#
*Mar 1 00:19:26.879: %SYS-5-CONFIG_I: Configured from console by console
Server#
*Mar 1 00:19:28.019: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state t
o up
*Mar 1 00:19:29.019: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/0, changed state to up
 Server#
 Server#
Server#
```

#### Code (at server):

```
conf t
ip http server
ip http path flash:
ip http max-connections 5
ip http port 5001
ip http access-class 1
access-list 1 permit 192.168.12.0 0.0.0.255
username student privilege 15 password student
ip http authentication local
do copy running-config flash:startup-config
end
Dir flash:
config t
int f0/0
ip address 192.168.12.2 255.255.255.0
no shut
end
```

### Client Configuration:

```
Client#
Client#config t
Enter configuration commands, one per line. End with CNTL/Z.
Client(config)#int f0/0
Client(config-if)#ip address 192.168.12.1 255.255.255.0
Client(config-if)#no shut
Client(config-if)#ip http client username student
Client(config)#ip http client password student
Client(config)#do wr
Building configuration...
[OK]
Client(config)#end
Client#
*Mar 1 00:10:34.519: %SYS-5-CONFIG_I: Configured from console by console
Client#
```

#### Code (at client):

```
# Configuration code
config t
int f0/0
ip address 192.168.2.1 255.255.250
no shut
ip http client username student
ip http client password student
do wr
end
```

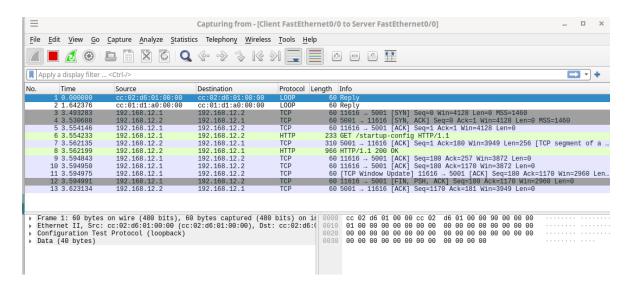
## Code (connecting to server from client end):

```
# Connecting to HTTP server from client end
copy http://192.168.12.2:5001/startup-config null:
```

## Connecting with the Server from Client:

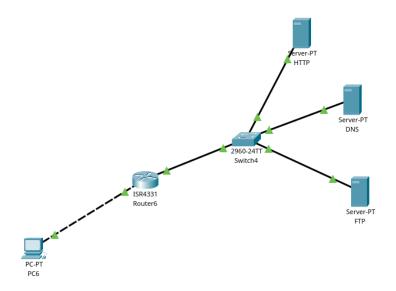
```
Client#
Client#
Client#copy http://192.168.12.2:5001/startup-config null:
Loading http://192.168.12.2:5001/startup-config !
894 bytes copied in 0.084 secs (10643 bytes/sec)
Client#
```

#### Captured Packets:



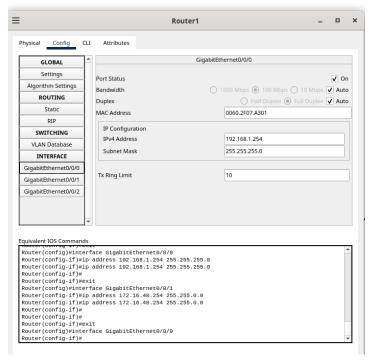
# **Cisco Packet Tracer**

Arrangement of PCs, Routers, Servers and Switches:



# Router configuration:

(configuration of other devices as per lab manual)



# Connecting to HTTP Server from VPC:

```
ftp 192.168.2.4
Trying to connect...192.168.2.4
Connected to 192.168.2.4
220- Welcome to PT Ftp server
Username:student
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```