

Nhiệm vụ 2:

```
ubuntu@s1: ~  
File Edit View Search Terminal Tabs Help  
ubuntu@w1: ~ x ubuntu@w2: ~ x ubuntu@w3: ~ x ubuntu@s1: ~ x  
collisions:0 txqueuelen:0  
RX bytes:10525 (10.5 KB) TX bytes:0 (0.0 B)  
  
lo    Link encap:Local Loopback  
      inet addr:127.0.0.1  Mask:255.0.0.0  
      UP LOOPBACK RUNNING  MTU:65536  Metric:1  
      RX packets:0 errors:0 dropped:0 overruns:0 frame:0  
      TX packets:0 errors:0 dropped:0 overruns:0 carrier:0  
      collisions:0 txqueuelen:1000  
      RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)  
  
ubuntu@s1:~$ ping 10.1.0.2  
PING 10.1.0.2 (10.1.0.2) 56(84) bytes of data.  
64 bytes from 10.1.0.2: icmp_seq=1 ttl=64 time=0.434 ms  
64 bytes from 10.1.0.2: icmp_seq=2 ttl=64 time=0.285 ms  
64 bytes from 10.1.0.2: icmp_seq=3 ttl=64 time=0.285 ms  
^Z  
[1]+  Stopped                  ping 10.1.0.2  
ubuntu@s1:~$ ping 10.7.0.2  
PING 10.7.0.2 (10.7.0.2) 56(84) bytes of data.  
64 bytes from 10.7.0.2: icmp_seq=1 ttl=63 time=0.842 ms  
64 bytes from 10.7.0.2: icmp_seq=2 ttl=63 time=0.414 ms  
^Z  
[2]+  Stopped                  ping 10.7.0.2  
ubuntu@s1:~$ ping 192.15.0.2  
  
ubuntu@w1:~$ wget http://203.22.0.2/index.html  
--2024-10-07 06:55:16--  http://203.22.0.2/index.html  
Connecting to 203.22.0.2:80... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 125 [text/html]  
Saving to: 'index.html'  
  
index.html      100%[=====>]      125  --.-KB/s    in 0s  
  
2024-10-07 06:55:16 (298 KB/s) - 'index.html' saved [125/125]  
  
ubuntu@w1:~$ ls
```

Nhiệm vụ 3:

```

protocol ospf {
    ipv4{
        import all;
        export filter {
            ospf_metric1 = 1000;
            if source = RTS_STATIC then accept; else reject;
        };
    };

    area 0 {
        interface "eth0", "eth1", "eth2", "eth3" {
            cost 5;
            type pointopoint;
            hello 5; retransmit 2; wait 10; dead 20;
            authentication simple; password "XXXX";
        };
        interface "eth4" {
            cost 5;
            type broadcast;
            hello 5; retransmit 2; wait 10; dead 20;
            authentication simple; password "XXXX";
        };
    };
}

```

Cubuntu@ir1:~\$ █

Configuration of BGP peer follows

```

protocol bgp R20515 from PEERS {
    description "Member 1 - peer 1";
    neighbor 10.15.0.3 as 20515;
}

protocol ospf {
    ipv4{
        import all;
        # no need to export our subnet usage.
    };

    area 0 {
        interface "eth0" {
            cost 5;
            type pointopoint;
            hello 5; retransmit 2; wait 10; dead 20;
            authentication simple; password "XXXX";
        };
    };
}

```

Cubuntu@br:~\$ █

```
# Configuration of BGP peer follows

protocol bgp R20525 from PEERS {
    description "Member 1 - peer 1";
    neighbor 10.15.0.2 as 20525;
}

ubuntu@brx:~$
```

Nhiệm vụ 4:

```
ubuntu@w3: ~
File Edit View Search Terminal Tabs Help
ubuntu@w1: ~ x ubuntu@w2: ~ x ubuntu@w3: ~ x
ubuntu@w3:~$ sudo ip addr add 203.22.0.2/24 dev lo
ubuntu@w3:~$ sudo route add 203.22.0.2 dev lo
ubuntu@w3:~$ sudo ./MyHTTPServer.py
serving at port 80
```

```
rx bytes:0 (0.0 B) tx bytes:0 (0.0 B)
ubuntu@w3:~$ ls
MyHTTPServer.py index.html
ubuntu@w3:~$ sudo ./MyHTTPServer.py
serving at port 80
```

```
ubuntu@w1:~$ wget http://203.22.0.2/index.html
--2024-10-07 07:48:29-- http://203.22.0.2/index.html
Connecting to 203.22.0.2:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 125 [text/html]
Saving to: 'index.html.1'

index.html.1      100%[=====>]      125  --.-KB/s   in 0s

2024-10-07 07:48:29 (299 KB/s) - 'index.html.1' saved [125/125]

ubuntu@w1:~$ cat index.html
You've been had.
ubuntu@w1:~$ cat index.html.1
/www/html/index.html
<!DOCTYPE html>
<html>
<body>
```

```
didit: wget from w1 to wx was routed to w3
student@ubuntu:~/labtainer/labtainer-student$ checkwork
Results stored in directory: /home/student/labtainer_xfer/bird-ospf
Labname bird-ospf
```

Student	didit	wget-w1
=====	=====	=====
B21DCAT151		Y

What is automatically assessed for this lab:

```
didit: wget from w1 to wx was routed to w3
```