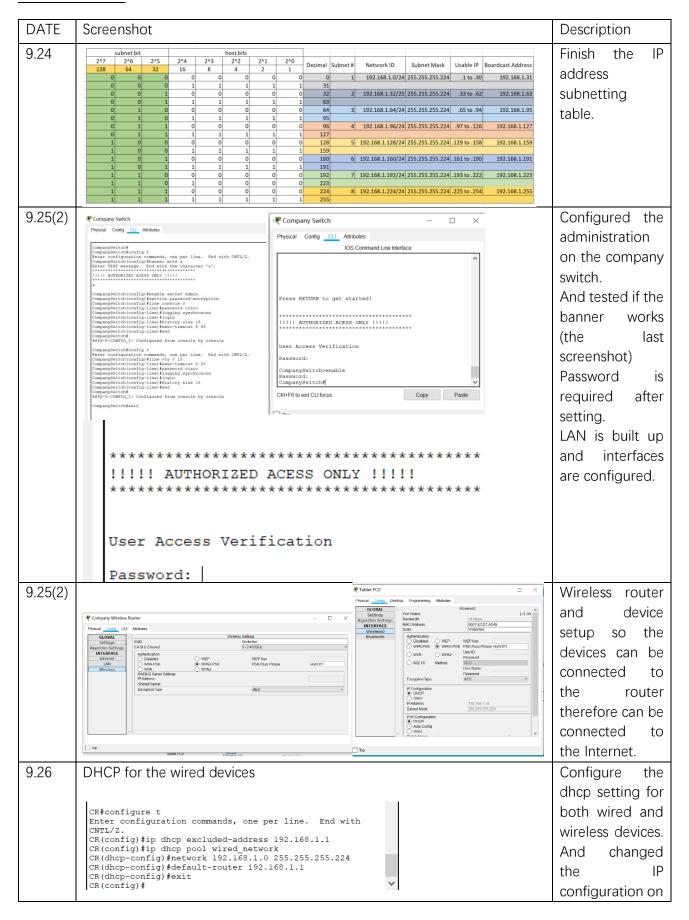
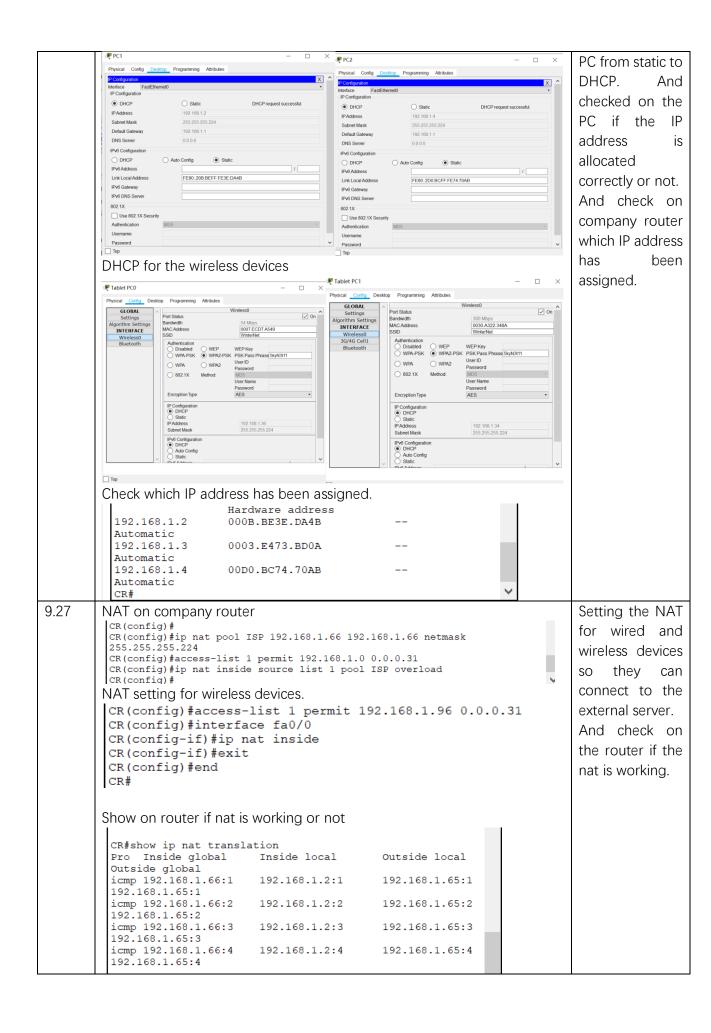
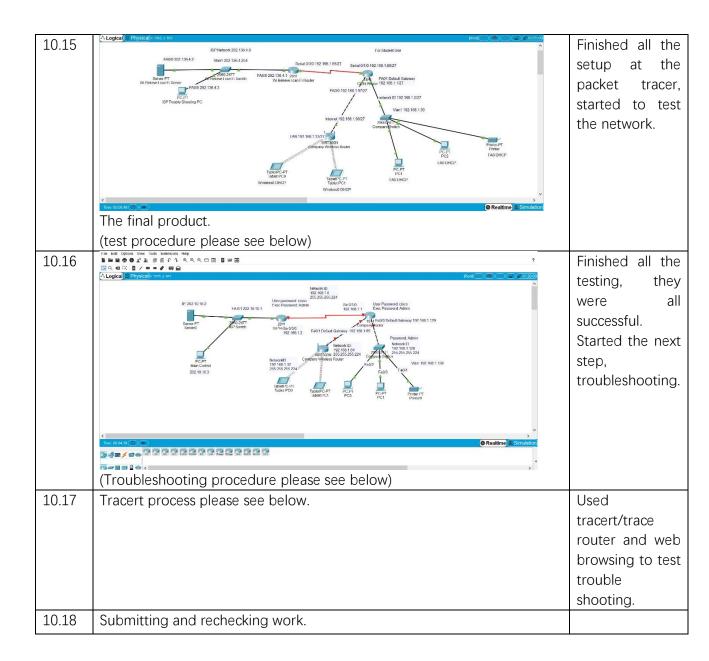
DAILY LOG





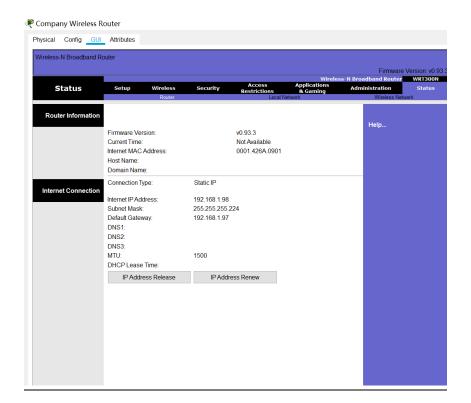


Set up on router (Export)

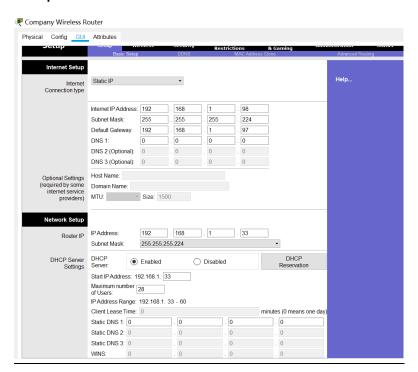


Wireless router GUI Screenshot

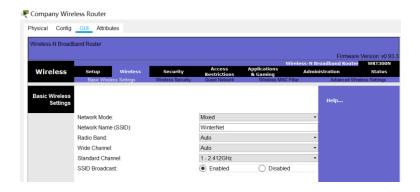
Status



Setup



Wireless



PING TEST

1.From PC1 to Web server.

From PC1 to Vlan1(192.168.1.30). Successfully.

```
Physical Config Desktop Programming Attributes

Command Prompt

C:\>ping 192.168.1.30

Pinging 192.168.1.30 with 32 bytes of data:

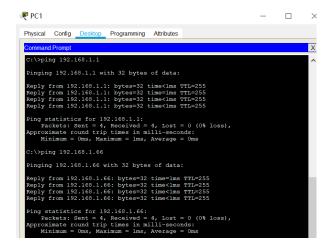
Reply from 192.168.1.30: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.1.30:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

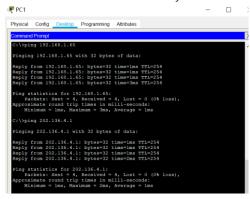
From PC1 to both ports of the company router. Default Gateway (Fa0/1 192.168.1.1). Successfully. SerialO/1/0 (192.168.1.66). Successfully.



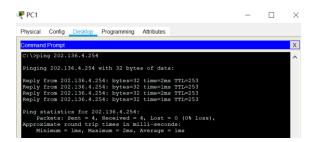
From PC1 to both ports of the ISP router.

Serial0/3/0 192.168.1.65. Successfully.

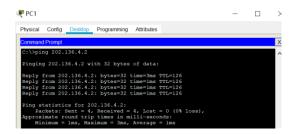
FA0/0 202.136.4.1. Successfully.



From PC1 to Vlan1(202.136.4.254) of the ISP side. Successfully.

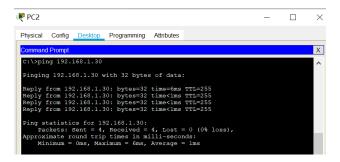


From PC1 to Web Server (202.136.4.2). Successfully.



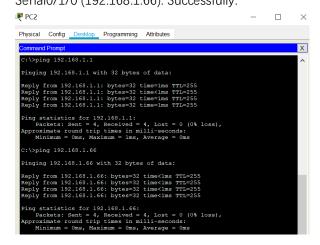
2.From PC2 to Web server.

From PC2 to Vlan1(192.168.1.30). Successfully.



From PC2 to both ports of the company router.

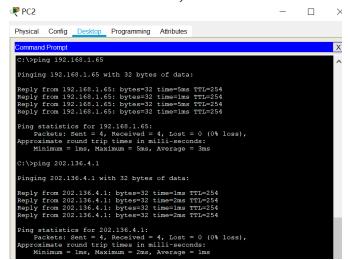
Default Gateway (Fa0/1 192.168.1.1). Successfully. SerialO/1/0 (192.168.1.66). Successfully.



From PC2 to both ports of the ISP router.

Serial0/3/0 192.168.1.65. Successfully.

FA0/0 202.136.4.1. Successfully.



From PC2 to Vlan1(202.136.4.254) of the ISP side. Successfully.

```
Physical Config Desktop Programming Attributes

Command Prompt

X

C:\>ping 202.136.4.254

Pinging 202.136.4.254 with 32 bytes of data:

Reply from 202.136.4.254: bytes=32 time=1ms TTL=253

Ping statistics for 202.136.4.254:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 2ms, Average = 1ms
```

From PC2 to Web Server (202.136.4.2). Successfully.

```
Physical Config Desktop Programming Attributes

Command Prompt

C:\ping 202.136.4.2

Pinging 202.136.4.2 with 32 bytes of data:

Reply from 202.136.4.2: bytes=32 time=1ms TTL=126

Ping statistics for 202.136.4.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

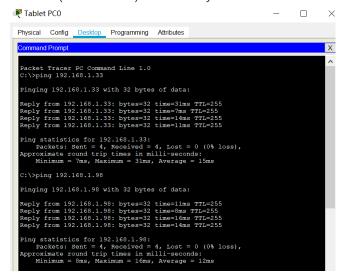
Minimum = 1ms, Maximum = 1ms, Average = 1ms
```

3.From Wireless PC0 to Web server.

From Tablet PC0 to the LAN and the Internet.

LAN (192.168.1.33). Successfully.

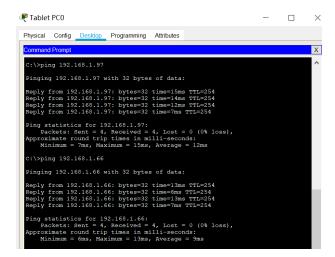
Internet (192.168.1.98). Successfully.



From Tablet PC0 to both ports of the company router.

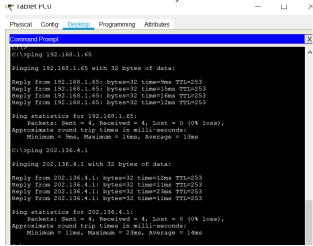
(Fa0/0 192.168.1.97). Successfully.

Serial0/1/0 (192.168.1.66). Successfully.

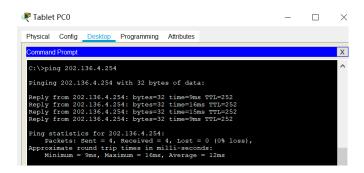


From Tablet PC0 to both ports of the ISP router. Serial0/3/0 192.168.1.65. Successfully.

FA0/0 202.136.4.1. Successfully.



From Tablet PC0 to Vlan1(202.136.4.254) of the ISP side. Successfully.



From PC2 to Web Server (202.136.4.2). Successfully.

```
Physical Config Desktop Programming Attributes

Command Prompt

C:\>ping 202.136.4.2

Pinging 202.136.4.2 with 32 bytes of data:

Reply from 202.136.4.2: bytes=32 time=14ms TTL=125

Reply from 202.136.4.2: bytes=32 time=6ms TTL=125

Reply from 202.136.4.2: bytes=32 time=6ms TTL=125

Reply from 202.136.4.2: bytes=32 time=6ms TTL=125

Reply from 202.136.4.2: bytes=32 time=9ms TTL=125

Ping statistics for 202.136.4.2:

Ping statistics for 202.136.4.2:

Ping statistics for 202.136.4.2:

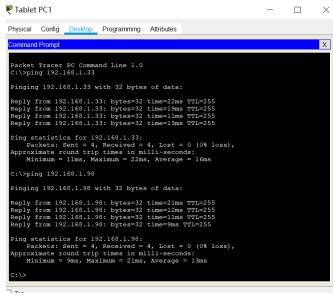
Minimum = 6ms, Maximum = 14ms, Average = 8ms
```

4. From Wireless PC1 to Web server.

From Tablet PC1 to the LAN and the Internet.

LAN (192.168.1.33). Successfully.

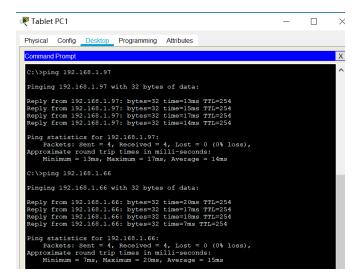
Internet (192.168.1.98). Successfully.



From Tablet PC0 to both ports of the company router.

(Fa0/0 192.168.1.97). Successfully.

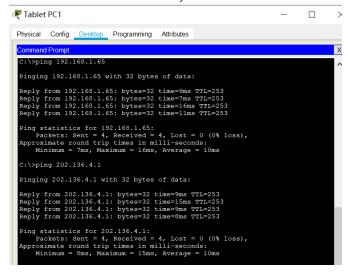
Serial0/1/0 (192.168.1.66). Successfully.



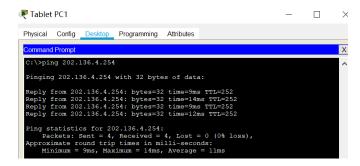
From Tablet PC0 to both ports of the ISP router.

Serial0/3/0 192.168.1.65. Successfully.

FA0/0 202.136.4.1. Successfully.



From Tablet PC0 to Vlan1(202.136.4.254) of the ISP side. Successfully.



From PC2 to Web Server (202.136.4.2). Successfully.

```
Physical Config Desktop Programming Attributes

Command Prompt

C:\>ping 202.136.4.2

Pinging 202.136.4.2: bytes=32 time=15ms TTL=125

Reply from 202.136.4.2: bytes=32 time=7ms TTL=125

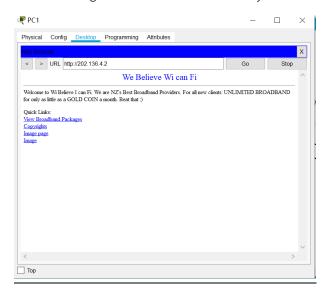
Ping statistics for 202.136.4.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

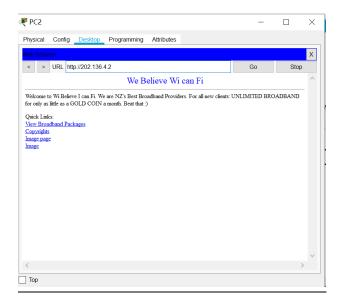
Minimum = 7ms, Maximum = 15ms, Average = 10ms
```

WEB BROWSING

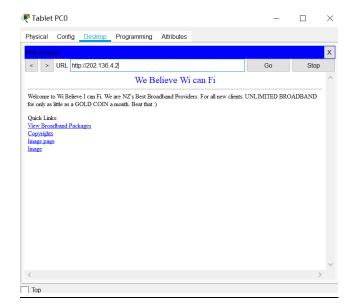
Web Browsing from wired PC1. Successfully.



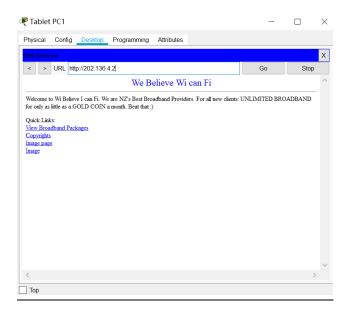
Web Browsing from PC2. Successfully.



Web browsing from wireless PC0. Successfully.

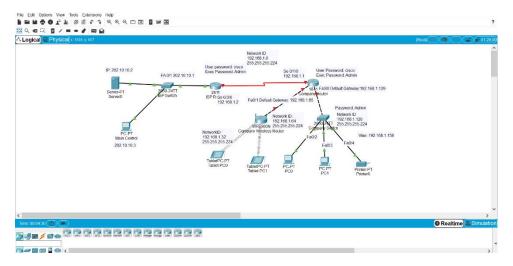


Web Browsing from wireless PC1. Successfully.



Troubleshooting

Before troubleshooting.



Fault 1

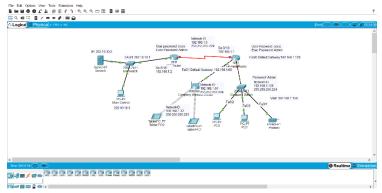
Identified(Yes)

Described: The company router hasn't turned on.

Resolution described: Physically turn on the router.

Tested: Pass

Fault corrected (Yes)



The connection between company router and wireless router becomes green.

Fault 2

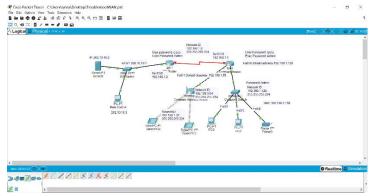
Identified(Yes)

Described: Using the wrong wire between the company switch and company router.

Resolution described: changed the wire from copper cross-over to copper straight-through.

Tested: Pass

Fault corrected (Yes)



The connection between company router and the company switch becomes green after changing the wire.

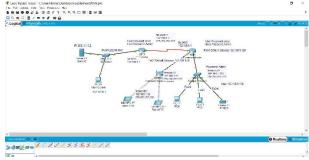
Fault 3

Identified(Yes)

Described: And the clock is at the wrong place(company router), should be on the ISP router. And the wire connected to the wrong port on the ISP router, should be on Se0/3/0 Resolution described: change the direction and connected port.

Tested: Pass/Fail

Fault corrected (Yes)



The connection between ISP router and the company router becomes green after refining the wire between.

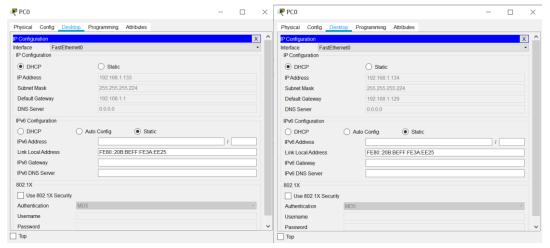
Fault 4

Identified(Yes)

Described: wrong default gateway

Resolution described: change the default gateway on switch and the dhcp setting on the router.

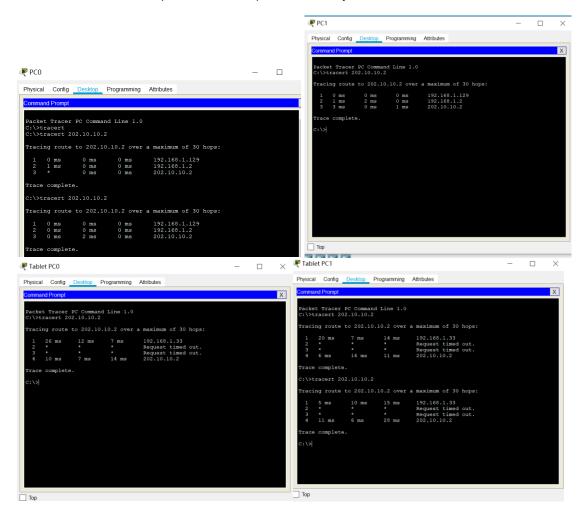
Tested: Pass/Fail Fault corrected (Yes)



The default gateway on the PC was 192.168.1.1 which is the wrong port's IP address. After reset the default gateway on the switch and the DHCP setting and refresh on the PC. We can see that the default gateway changed to 192.168.1.129.

Troubleshooting Testing

Tracert/Trace router (to web server). Successfully.



Web browsing. Successfully.

