

Lab 2-5 Testing the Wiremap

Check out a Fluke OneTouch Series II Network Assistant from me.

Treat it as if it were made of glass because it's worth more than you are. 😊

Test Your Cable

1. Test the regular cable you made by plugging in both ends to the top of the tester.
2. Turn on the testing device.
3. Push **with your finger only, no stylus or pencils or pens** Wire Tests.
4. Click Wiremap cable
5. Draw what you see below

6. Did it give you any errors?
7. Does this cable pass?
8. Now get your crossover cable. Do the same thing.
9. Draw what you see below.
10. Why does it look different?

Get an IP address from our network

1. Get a regular cable and plug into one of the ports on your switch. Make sure your switch is connected to our network (csn.com).
2. Go to the setup folder.
3. Click IP setup.
4. Hit DHCP
5. Click Get Address
6. What address did the server assign to your device?

7. Click log. What is the IP address of our DHCP server (hint...where it got the address FROM).

Test Network Health

1. Plug with regular cable into one of our switches.
2. Click the Network Health button.
3. Give it some time. It will discover all of the stations.
4. How many stations does it see on our network?

5. Push on the "stations" icon. What do you see?

6. Click on one of the stations and fill out the following:

- a. Name of station
 - b. Tran:
 - c. Net: (IP address)
 - d. MAC Address
 - e. Domain
 - f. Frames
 - g. Errors
7. Push the tool menu icon
 8. Click ping
 9. What is the response time?

 10. Go back up to the network map.
 11. Click Printer
 12. Draw what you see

 13. Click the printer again in the picture.
 14. What is the IP address of the printer?

Testing Your Network

1. Now detach your switch from the wall jack so it's only YOUR network on the switch.
2. Go back to the main screen.
3. Click Auto Test
4. Draw what you see

5. Go into Servers
6. Draw what you see

Questions

1. What is the purpose of a Network Testing Device?

2. What are three features you used on this device?

3. How can you find an error in a cable using this device?

4. How can you test the connectivity of another computer using this device?