NetBroke Hands-On Final

1. Turned on the main router (Kind of a big Deal) because it was off.
   1. This fixed the connectivity issues between each device connected to said router.

A screenshot of a computer

Description automatically generated with low confidence

Before:

Diagram

Description automatically generated

After:

Diagram

Description automatically generated

1. Call Center PC1 could not access the internet.
   1. What I had to do was go to the DHCP server and add another device to the Call Center pool because there was a max number of users set at 4 (when there were 5 devices total). I was then able to get the PC to retrieve an IP using DHCP.

Before and after images of the DHCP server pools. Note how the Call Center pool was increased to 5.

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Before and after images of the Call Center PC1. Note how the IP config is now set to DHCP. When I would set it to DHCP before, it would default to APIPA. Now it is fixed.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Call Center PC1 can now access the Internet.

Graphical user interface, text, application, email

Description automatically generated

1. Manager says his phone isn’t working. Let’s look…

Easy fix, the phone was unplugged.

Graphical user interface

Description automatically generatedGraphical user interface

Description automatically generated with low confidence

Before and after I plugged the phone in.

A picture containing text

Description automatically generatedA picture containing text

Description automatically generated

1. Bill can’t reach the Internet…

Before and after I configured DHCP on Bill’s computer. It was the same issue with DHCP – not enough max users in the pool.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Another before and after photo. Since Bill is part of Sales, I added more max users to the pool (there are 5 devices in sales). I then went back to Bill’s PC and configured DHCP for him which is in the picture above.

Graphical user interface, application

Description automatically generated



Graphical user interface, application

Description automatically generated



Proof that Bill’s computer can connect to the Internet!

Graphical user interface, text, application, email

Description automatically generated

1. Add Business Intelligence

There is Kiran and the Business Intelligence switch. The switch is connected to the Kind of a big Deal router.

Diagram

Description automatically generated

I added the Business Intelligence pool to the DHCP router so devices can be configured using DHCP.

Graphical user interface, application

Description automatically generated

Here is Kiran’s PC configured with DHCP.

Graphical user interface, text, application, email

Description automatically generated

Kiran successfully pinged DNS.

Text

Description automatically generated

1. Something is wrong with the coffee maker? Maybe you shouldn’t have such a high tech one, then.

It was off. I turned it back on.

Graphical user interface, application

Description automatically generated

A picture containing shape

Description automatically generated

Now it’s working and connected!

A picture containing icon

Description automatically generatedA picture containing diagram

Description automatically generated

1. No password on the router (Kind of a big Deal router)

Before password:

Graphical user interface, text, application

Description automatically generated

After password:

Graphical user interface, text, application

Description automatically generated

I lost my screenshots with all the coding steps for setting the password, so I hope this is sufficient.

Graphical user interface, text, application, email

Description automatically generated

Probably should’ve made the password a secret since its out in the open like this… but hey, it works for the sake of this assignment.

1. Copied the running config to the startup config.

Graphical user interface, text, application, email

Description automatically generated

1. WRT300N and a laptop

Look how pretty it is! The wireless connection is working flawlessly.

Diagram

Description automatically generated

Laptop is configured.

Graphical user interface, text, application, email

Description automatically generated

With WiFi (it’s in a wireless card)

Text

Description automatically generated with low confidence

WPA2 Personal with PSK set up on the router

A screenshot of a computer

Description automatically generated