

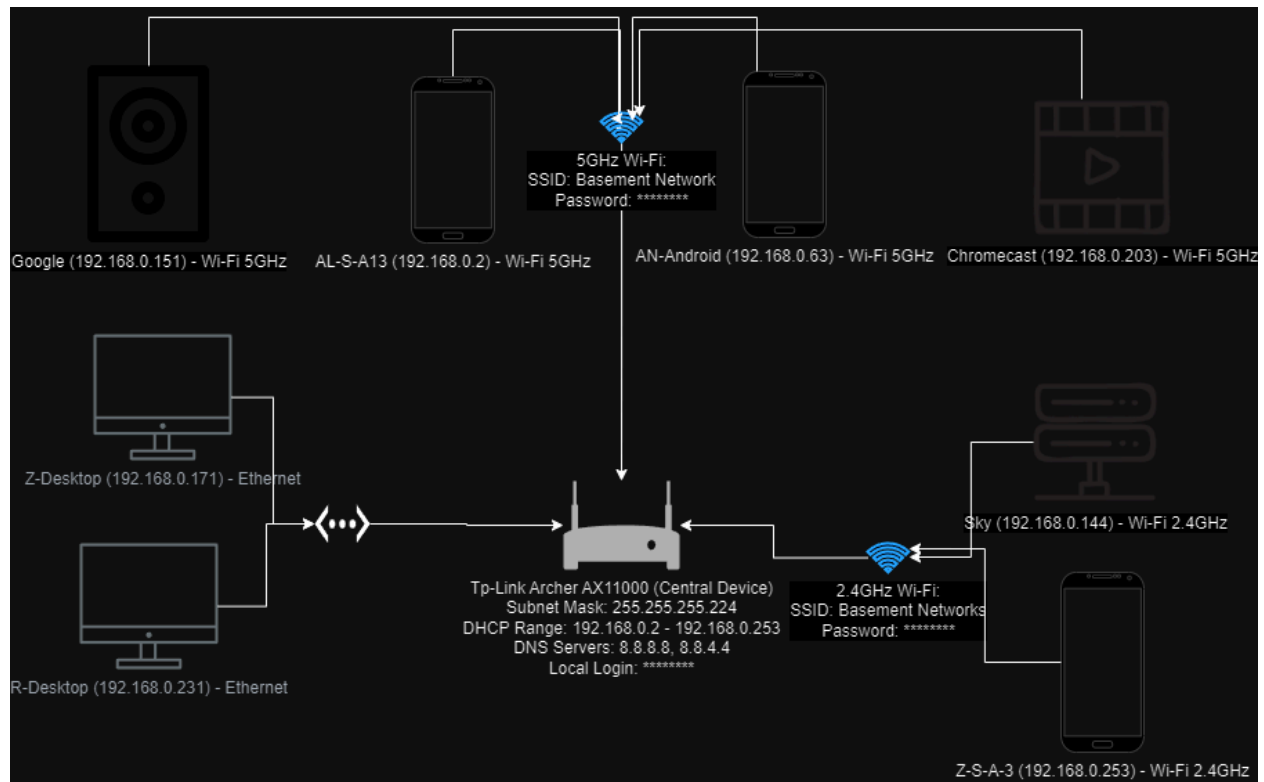
Documentation and Network Diagram

Overview:

The objective of this project was to create a comprehensive network diagram and document the network settings and connected devices in my home network. The diagram provides a visual representation of the network setup, while the documentation offers detailed information about each device and its configuration.

Network Diagram:

The following network diagram illustrates the layout of my home network:



Key Components:

Router:

Model: Tp-Link Archer AX11000

Subnet Mask: 255.255.255.224

DHCP Range: 192.168.0.2 - 192.168.0.253

DNS Servers: 8.8.8.8, 8.8.4.4

Local Login: *****

Connected Devices:

Z-Desktop:

MAC Address: C8-7F-54-0A-06-32

IP Address: 192.168.0.171

Connection: Ethernet
AL-S-A13:

MAC Address: 96-DC-ED-0F-7C-38
IP Address: 192.168.0.2
Connection: Wi-Fi 5GHz
AN-Android:

MAC Address: 20-9B-E6-FE-2C-02
IP Address: 192.168.0.63
Connection: Wi-Fi 5GHz
Chromecast:

MAC Address: CE-B3-79-28-99-2E
IP Address: 192.168.0.203
Connection: Wi-Fi 5GHz
R-Desktop:

MAC Address: 8C-85-80-CE-B6-80
IP Address: 192.168.0.231
Connection: Ethernet
Google Home:

MAC Address: 3C-8D-20-F3-33-B0
IP Address: 192.168.0.151
Connection: Wi-Fi 5GHz
Z-S-A-3:

MAC Address: D2-EC-02-66-FD-52
IP Address: 192.168.0.253
Connection: Wi-Fi 2.4GHz
Sky Network Box:

MAC Address: 88-41-FC-30-D0-0E
IP Address: 192.168.0.144
Connection: Wi-Fi 2.4GHz
Network Settings:
2.4GHz Wi-Fi:

SSID: Basement Networks
Password: *****
Security: WPA2-PSK[AES]
5GHz Wi-Fi:

SSID: Basement Network

Password: *****

Security: WPA2-PSK[AES]

Conclusion:

The network diagram and documentation provide a detailed overview of my home network setup. It includes the Tp-Link Archer AX11000 router as the central device, connected devices such as desktop computers, smartphones, Chromecast, Google Home, and the Sky network box. The diagram illustrates the connections and configurations, aiding in network management and troubleshooting.

Future Plans:

Regularly update the diagram and documentation as the network evolves.

Explore additional network optimization options offered by the Tp-Link Archer AX11000 router.

Implement security measures to enhance network protection.