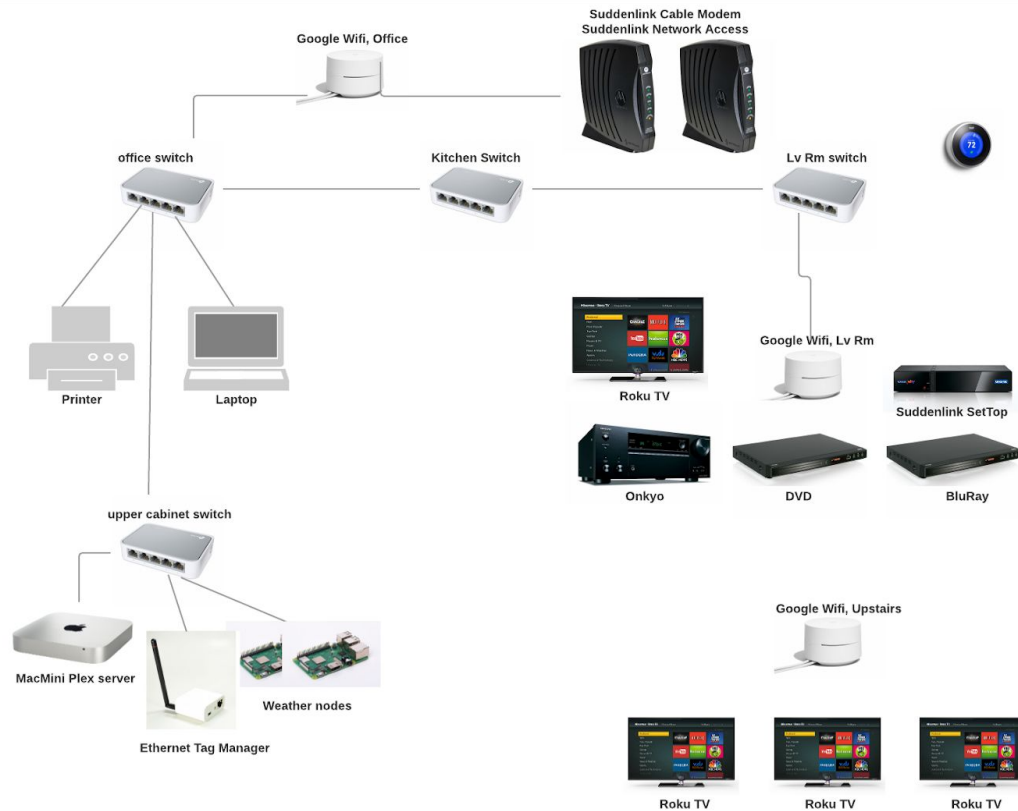


# Sherborne Network

## SHERBORNE NETWORK DIAGRAM

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## NETWORK TOPOLOGY

Starting at the top, the two Suddenlink boxes on the top represent the Suddenlink Cable Modem and Suddenlink Network Access point. This is what they intend to replace.

One of the Suddenlink network devices is connected (wired) to the first (or primary) Google WiFi access point. In fact, the Suddenlink Access Point has WiFi access turned off — and isn't really used. It is important that Google Wifi be the first and in fact the only device connected (wired) to the Suddenlink LAN or the 192.168.1.xxx network.

The Google Wifi creates the 192.168.2.xxx network, which basically everything else on this network diagram.. The Google WiFi is also an Access Point, creating a wireless network with the SSID of "sherborne-mesh". The Google Wifi Access Point is connected (wired) to the TP-Link Office Switch (on the desk), which is connected (wired) to the upper cabinet TP-Link switch. The upper cabinet contains a number of connected devices.

The TP-Link Office Switch is connected to the TP-Link Kitchen Switch (somewhat hidden, above the microwave), which is connected (wired) to the TP-Link Living Room switch and the Living Room Google Wifi access point. The Living Room stereo cabinet contains a number of connected devices.

The Upstairs Google Wifi is wirelessly connected to the other two Google Wifi access points. All upstairs devices are wirelessly connected to “sherborne-mesh” either the 2.5Ghz or the 5.0Ghz network.

## CRITICAL SERVICES

- wireless clients such as your laptop, iPad, phone
- Nest Thermostat
- The PLEX Media Server
- TV service such as NetFlix

## NON-CRITICAL SERVICES

- Ethernet Tags (wireless temperature gauges)
- Raspberry Pi-based weather station
- outdoor facing security cameras

## TESTING THE NETWORK

It is fairly straightforward to test whether or not all network services are restored..

1. With your laptop connected to “sherborne-mesh”, test that you can browse any site
2. From your cell phone, test whether the NEST app connects to the thermostat
3. From any Television, test that you can get to NetFlix or Amazon Video
4. From any Television, test that you can see the Movies on the PLEX Media Server named Sherborne