Network
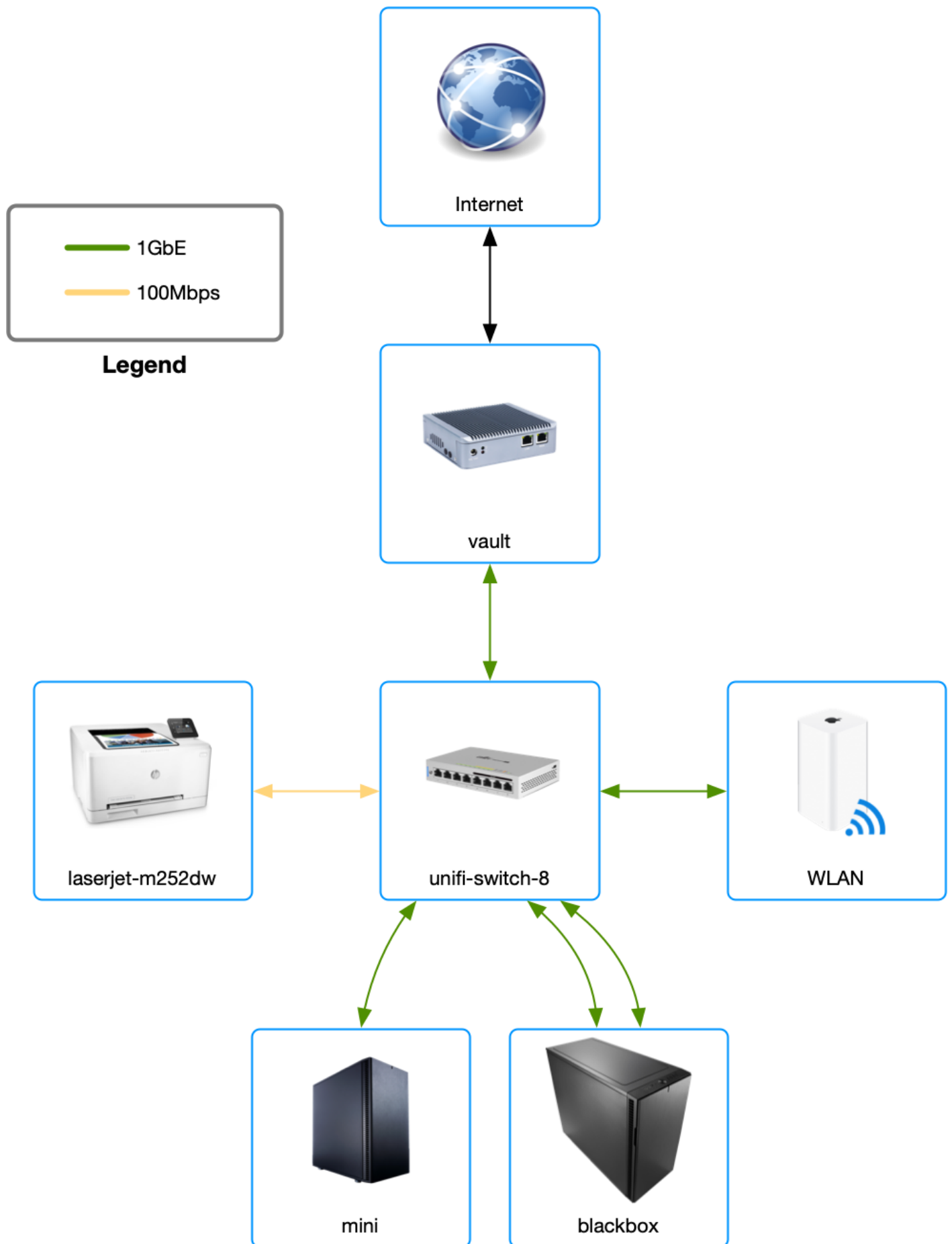
Description of my networking setup

- Physical Layout
- VLAN Segmentation
- Subnet IP Ranges

Physical Layout

Internet

vault

Legend
1GbE
100Mbps

laserjet-m252dw

unifi-switch-8

WLAN

mini

blackbox

VLAN Segmentation

VLAN 1 (LAN)

The primary home network for devices and services that don't need to be publically facing to the Internet.

Name	LAN
CIDR	10.0.1.1/21
Range	10.0.0.1 - 10.0.7.254

VLAN 8 (DMZ)

A DMZ for devices and services that are meant to be exposed to the Internet.

Name	DMZ
CIDR	10.0.8.1/24
Range	10.0.8.1 - 10.0.8.254

VLAN 9 (WARP)

A network where all outbound traffic is routed through a WireGuard VPN to protect privacy.

Name	WARP
CIDR	10.0.9.1/24
Range	10.0.9.1 - 10.0.9.254

Subnet IP Ranges

LAN (VLAN1)

LAN - The primary home network for devices and services that don't need to be publically facing to the Internet.

Subnet	VLAN	Purpose
10.0.1.0/24	1	Network related infrastructure (dns server, router, switches, etc.)
10.0.2.0/28	1	WireGuard VPN clients tunneling into the network
10.0.3.0/24	1	Proxmox management port addresses
10.0.4.0/24	1	Static IP address assignments
10.0.5.0/24 10.0.6.0/23	1	DHCP IP assignments

DMZ (VLAN8)

DMZ - A DMZ for devices and services that are meant to be exposed to the Internet.

Subnet	VLAN	Purpose
10.0.8.0/24	8	DHCP IP assignments

WARP (VLAN9)

WARP - A network where all outbound traffic is routed through a WireGuard VPN to protect privacy.

Subnet	VLAN	Purpose
10.0.9.0/24	9	DHCP IP assignments