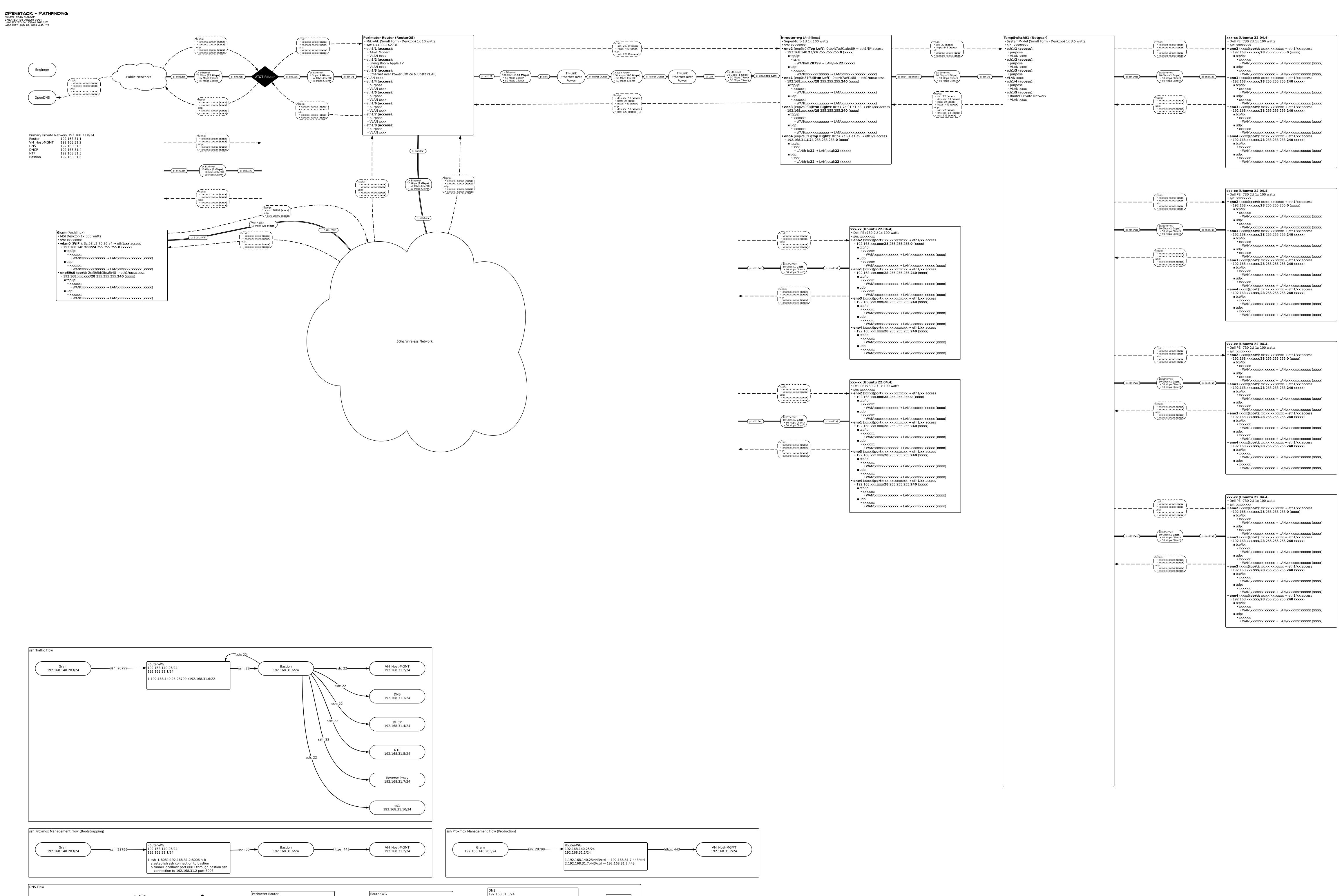
208.67.222.222

192.168.31.4/24

2.core servers/services have static assignment

←dns-sec: 53 ← Public Networks ← dns-sec: 53 ← AT&T Modem



192.168.140.25/24

192.168.140.25/24

192.168.31.1/24

only dns-sec allowed from dns to opendns

only ntp allowed from ntp to time.nist.gov

unbound listens on tcp & udp port 53.

2.nsd listens on tcp & udp port 52 only from localhost a.if record not in nsd, then query opendns via dns-sec

unbound lookup nsd as necessary: 52

unbound lookup nsd as necessary: 52

|**←**__ntp: 123____|

b.pulls from nsd for further lookup

dns-sec: 53 a.caching resolver

192.168.31.5/24

1.chrony listens on udp port 123

2.chrony syncs with time.nist.gov

All LAN

All LAN

Clients

192.168.31.1/24

← dns-sec: 53

192.168.1.254/24 192.168.140.1/24

Perimeter Router

192.168.1.254/24

192.168.140.1/24

all forwarded traffic allowed

all forwarded traffic allowed

• local ntp queries sent direct to time.nist.gov

local dns queries sent direct to opendns