The network is down?!?

brought to you by:

Docwho & Council of the Internet Wizards

Who am I?

- I'm Batman!
- Ok, not really…
- Keyholder at Nullspace Labs
- Been working on networks since 1995
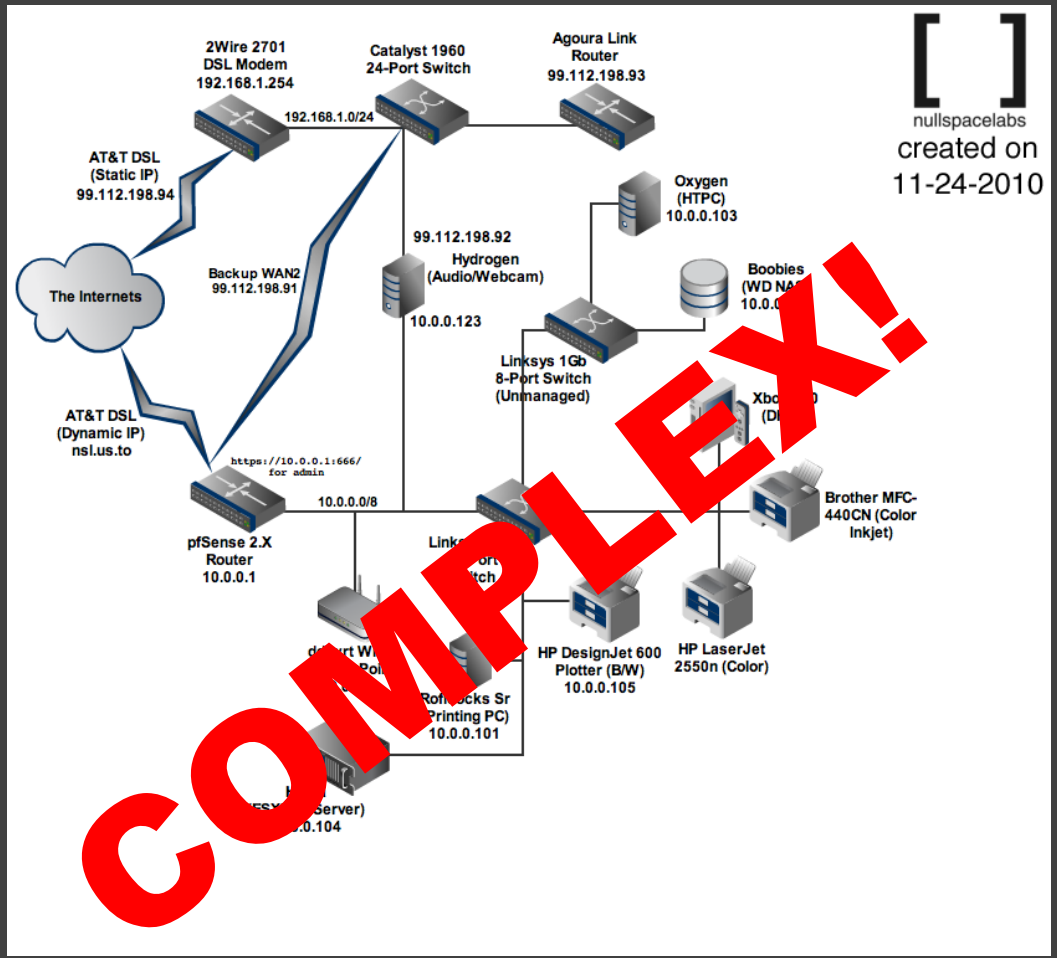- Owner of awesome fezzes
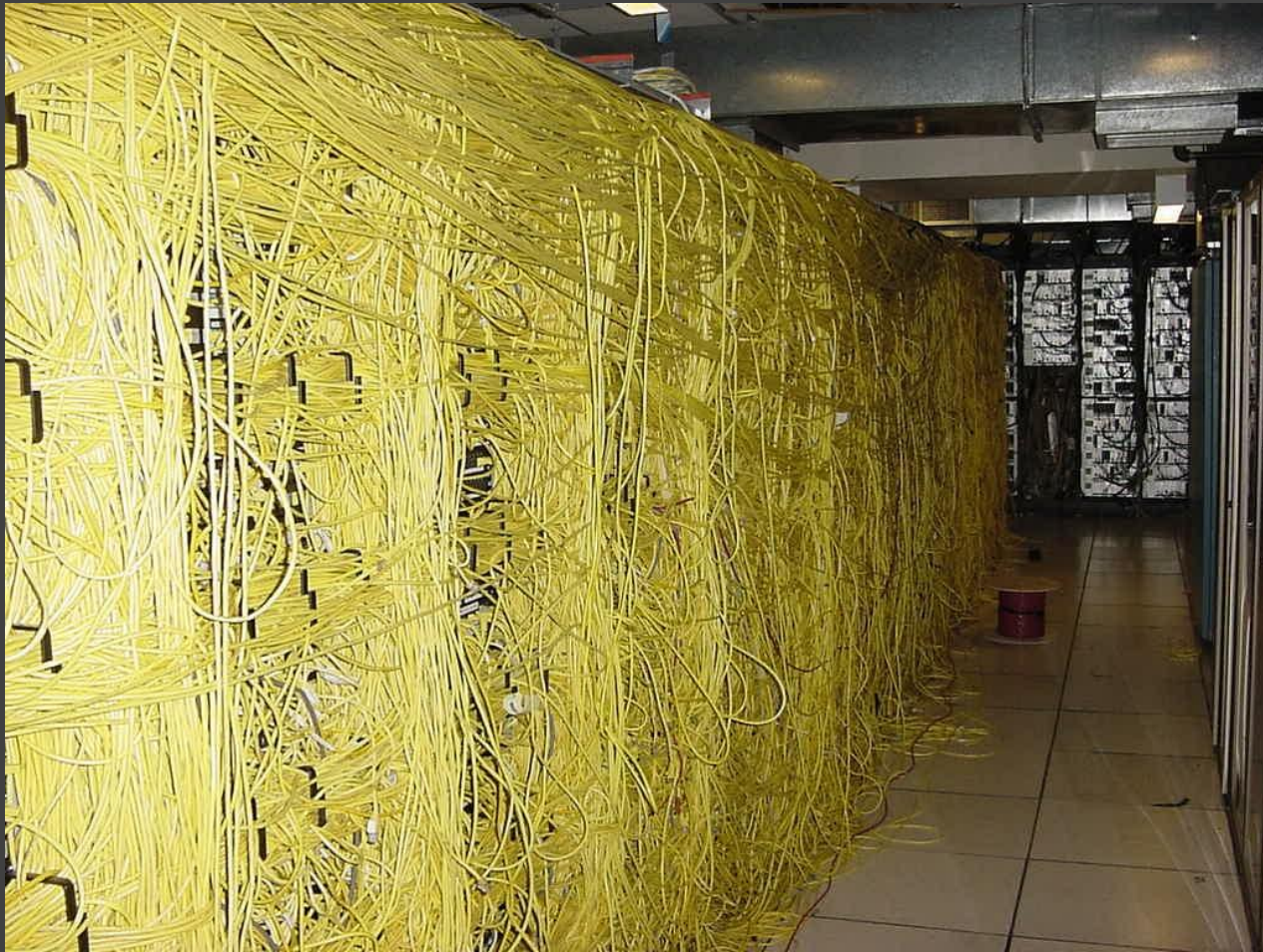- Recently started learning circuit design

Nullspace Labs: May 2010

Nullspace Labs: 1 year old now!

So what's the problem, dude?

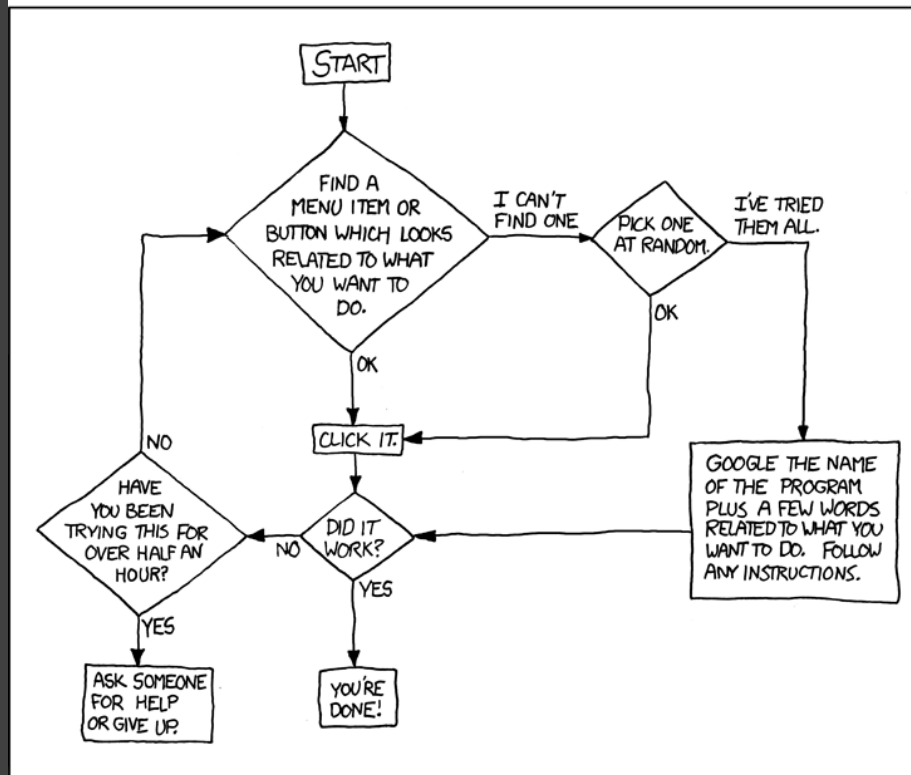# Can't you just trace it?

What else is there?

Result:

Result (Cont'd):

Our Goal: Teach thyself

How do we do this?

- Learn from submarine design
- Make it fucking cool looking
- Give users ability to see important info at a glance
- Help users quickly isolate trouble area(s)

Submarine design: WTF you talkin about Willis?
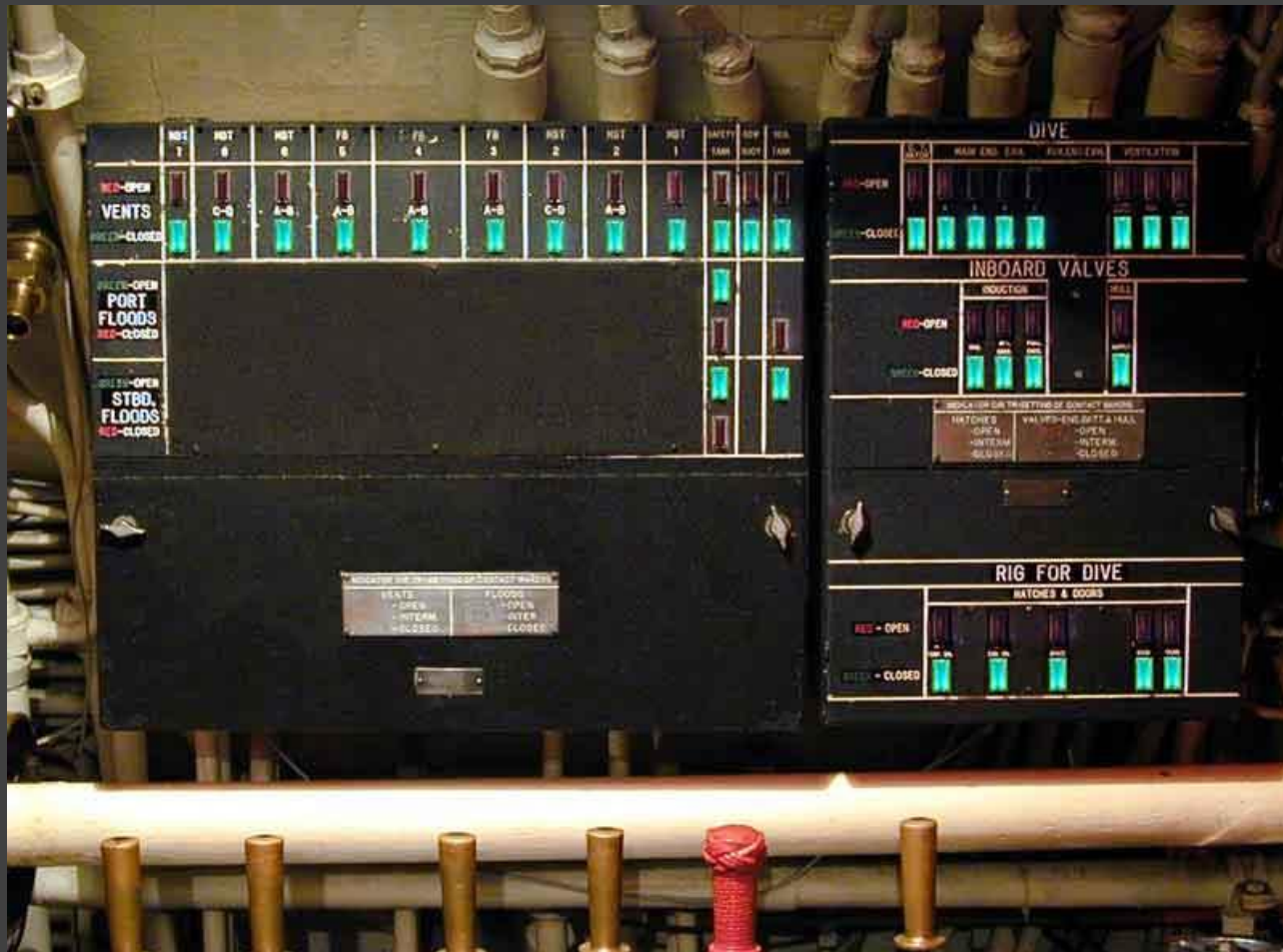
MOAR Greenboards

Early Design notes

- Device will be attached to both wired and wireless networks to test both domains.
- DNS resolution - Time Since Outage/Uptime in Days/Hrs/Min/Uptime as a percentage
- Pfsense LAN ping - Time Since Outage/Uptime in Days/Hrs/Min/Uptime as a percentage
- Wifi Network(s) ping - Time Since Outage/Uptime in Days/Hrs/Min/Uptime as a percentage
- Internet ping - Time Since Outage/Uptime in Days/Hrs/Min/Uptime as a percentage
- Bandwidth instantaneous usage in kbits/sec

Parts is parts, right?

Challenges

- This shit is hard

- Only recently started designing electronic circuits

- Have to learn to code for Stellaris

- Wifi integration

- Determining right amount of drinking to do to enhance project coding

Contact info and URLs

- http://wiki.032.la/nsl/Network_Status_Sign

- timelord@gmail.com

- Docwho76 / docwho76H on efnet

THANK YOU!