

Homelab Escapades

Newcastle Cybersecurity Group

Jay Rovacsek

February 17, 2021

Public speaking skills: a solid 2.5/10 - remind me now that I should slow down and chill-out

If you have questions at any
point feel free to jump in!



\$whoami: I work for nib as part
of the cybersecurity function



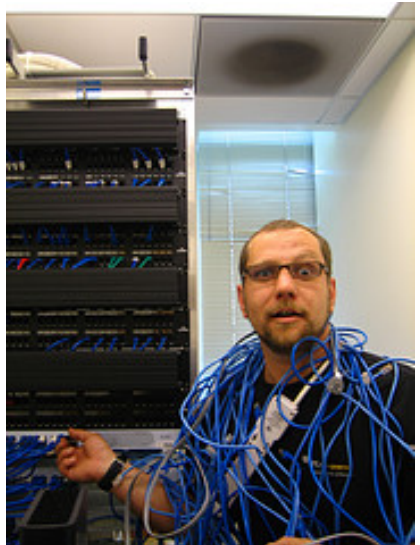
Previous lives as:

- developer
- retail assistant
- pizza cutter
- lawn mower



What am I not?

- A sysadmin
- Good at making presentation slides



Nope

Does any of this matter?

- A sysadmin
- Good at making presentation slides



But why am I here presenting?

~_(\ツ)_/-

- Home networks are fun
- Breaking your own stuff will assist in teaching you
- Can run some cool services for yourself/family/friends

Am I going to be making any assumptions?

- We're not wanting to have a large number of "servers"
- We care about the security of our stuff

Are there reasons to not run a service on your home network?



But I only want to run a few services...



I want to be able to access my services from anywhere!

- 1 Buy a domain, or use a freebie
- 2 Pester your ISP for a static address (or big-brain it with some dynamic DNS)
- 3 Setup some port forwards
- 4 Done!

Okay, cool, I have the things available on the interwebs...

Should we leaving our
applications in a default state?



Nope! Let's apply some defence
in depth! For simplicity in our
setup I'd recommend SWAG



This SWAG...

<https://github.com/linuxserver/docker-swag>



Note: **SWAG** is not required, it will just make your life easier in managing a reverse proxy

If you have the know-how of setting up a reverse proxy of your choosing, you could do so.

