WELCOME!

Who are we?

We are…

The Cypurr Collective: A group of folks that organize cybersecurity events, looking to spread knowledge and talk about privacy rights!

Established April 2016

3-4 cryptoparty, discussion, and social events every month in NYC!

Just some folks interested in making safer spaces for others to talk bout their privacy needs

A few rules for this workshop ...

Share the space - Step Up Step Back: Ask a question, give a comment, leave room for others to speak

Stack! - Raise your hand and we will put you on the speaking queue

Saf(er) Space - We DO NOT tolerate language or behavior purposefully meant to demean or harm folks based on their identities

No one should be forced to discuss their own experience/threat model/situation

Photo/Video - No photo/video without asking!

Bonus Rule - Try not to invalidate experiences!

A few rules for this workshop ...

...For Zoom!

Share the space - Feel free to ask questions in the chat! Or, save them for the Q/A!

Stack! - If we're asking for vocal discussion, please use the "hand" icon to let us know you're interested in speaking b4 you unmute!

Saf(er) Space - We DO NOT tolerate language or behavior purposefully meant to demean or harm folks based on their identities **a.k.a WE WILL BOOT ZOOM BOMBERS!**

Photo/Video - Slides/Resources available after!

Bonus Rule- Be mindful of the Mute button!
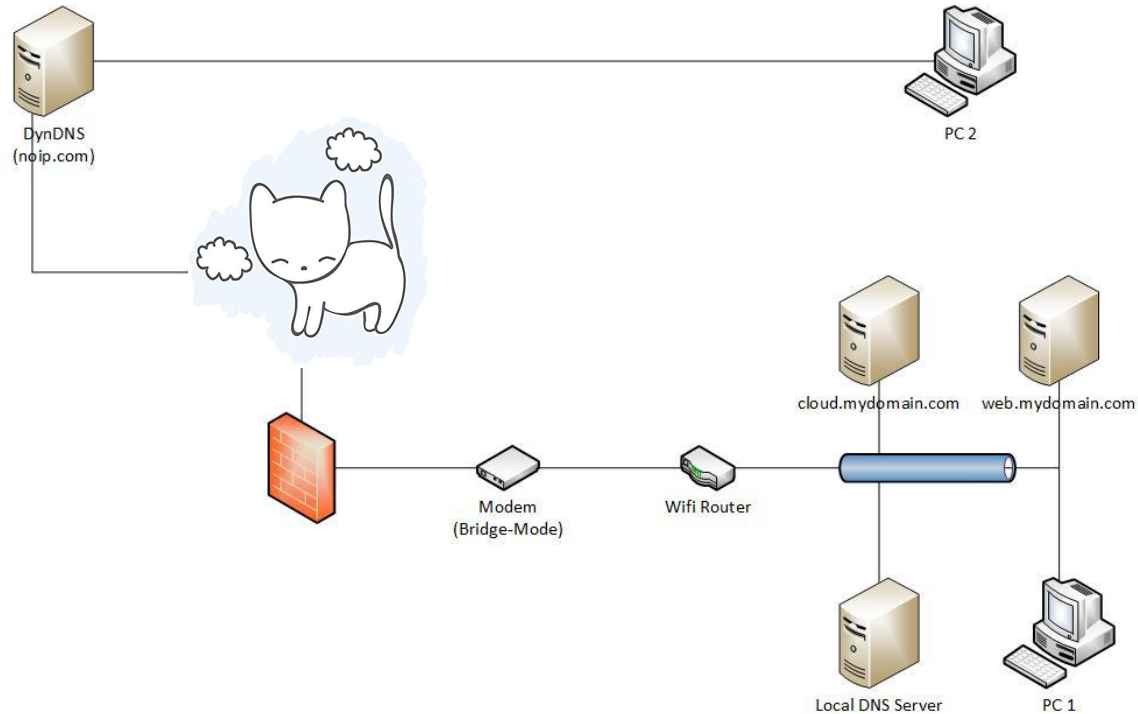
Overview

- Intro
- What is Router?
- Securing Your Front Door
  - Settings
  - Firmware
  - Firewall
- Q&A
- Outro

What is router? What it do?

VERY PROFESSIONAL DIAGRAM

Leaving the Front Door Open

"Hackers infect 500,000 consumer routers all over the world with malware"

- Dan Goodin, *Ars Technica,*
- 5/23/2018

Hackers possibly working for an advanced nation have infected more than 500,000 home and small-office routers around the world with malware that can be used to collect communications, launch attacks on others, and permanently destroy the devices with a single command, researchers at Cisco warned Wednesday.

Why is this important?

"Since the affected devices are legitimately owned by businesses or individuals, malicious activity conducted from infected devices could be mistakenly attributed to those who were actually victims of the actor."

How to Shut the Front Door
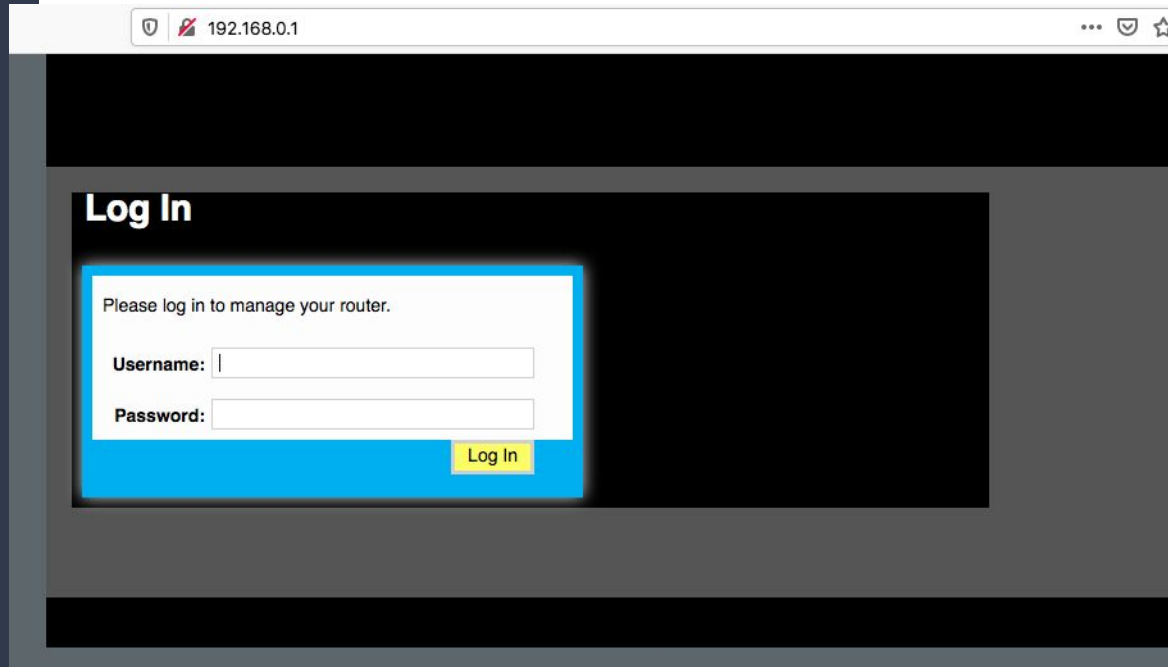
1. new username + pword
2. firmware updates!

Go to your Router Dashboard

Usually here:

192.168.1.1 (but not always)

Click around the settings!

192.168.0.1

Log In

Please log in to manage your router.

Username:

Password:

Log In

Let's do it

we'll take 5 mins for everyone to look up "how to get to your router dashboard" and try to log in

How many devices are connected to your router currently?

Firmware?

Firmwhat? Firmwho?

What is this word I never hear?

The only time you'll ever have to deal with it

Why is it important to update the firmware?

- **all your traffic passes through the router**
- if there is a security vulnerability it's critical to patch it
- if your router can't update, toss it and get another
- some routers have automatic update functionality, which is safest

Firewall Basics

firewall-cat

denies access

ICANHASCHEEZBURGER.COM
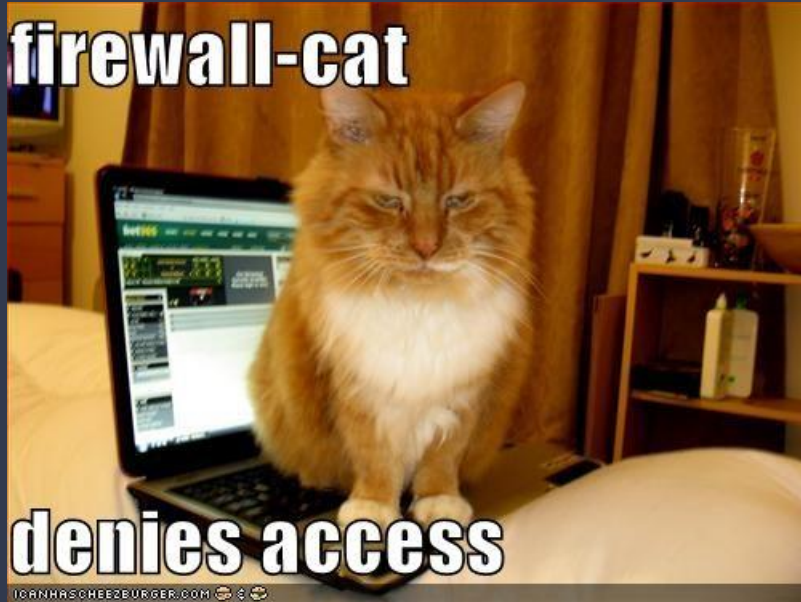
A firewall is a security-conscious router.

It sits between your Local Area Network (LAN), the network generally inside your home, and the outside world.

It can be configured to let traffic and out depending on your specifications.

Outro/Q&A

Further Resources

Cypurr Collective - cypurr.nyc

Facebook @cypurrnyc

Twitter @cypurrnyc

cypurr@protonmail.com

EFF SSD - https://ssd.eff.org/

Tactical Tech Collective- Me and My Shadow

Hackblossom