BlueWave Tech Solutions

Final Project: Ops 201d8

Agenda

Our Team

1. Jason Jung
2. David Prutch
3. Gerald Reitmeyer
4. Wayne Brandon

Jason Jung

- Army NG for 6 years.
- Became interested in Cybersecurity throughout college.
- Aspire to become a Cybersecurity Professional for career transition.
- Fun fact: I like collecting records and CDs.

Wayne Brandon

- Navy Veteran
- My previous roll was with the City of Seattle as a Utility Account Representative
- In pursuit of a professional cyber security career
- Fun fact: I'm into fitness & video games

David Prutch

- Navy Veteran
- Former Manager Software QA Engineer
- Up and coming Cyber Security Professional
- Fun Fact: Learning to play Rugby so I can play with my son.

Gerald Reitmeyer

- Cyber security professional
- Retail and Landscaping background
- Fun Fact: Took in a stray cat

Harvest Haven

- Local grocery store chain
- Old CEO retiring younger generation taking over
- Old fashioned pen & paper
- New owners want to modernize the business
- Build a technology infrastructure

Issues they want addressed:

- Employees use their personal laptops.
- Share files via email
- Antiquated paper file system
- Cloud server for future projects
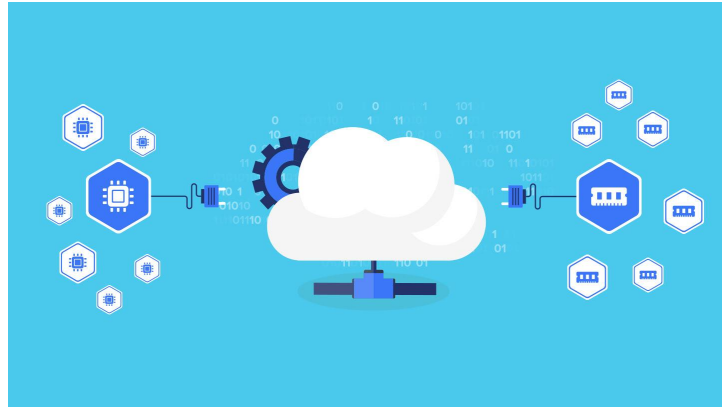
Issues we recognized

- No centralized backup system.
- No secure internal network system
- Task automation
- Tech support

Computers and Network

Issues:
- Personal computers
- Unsecure network

Solutions:
- Windows 10 Pro system integration
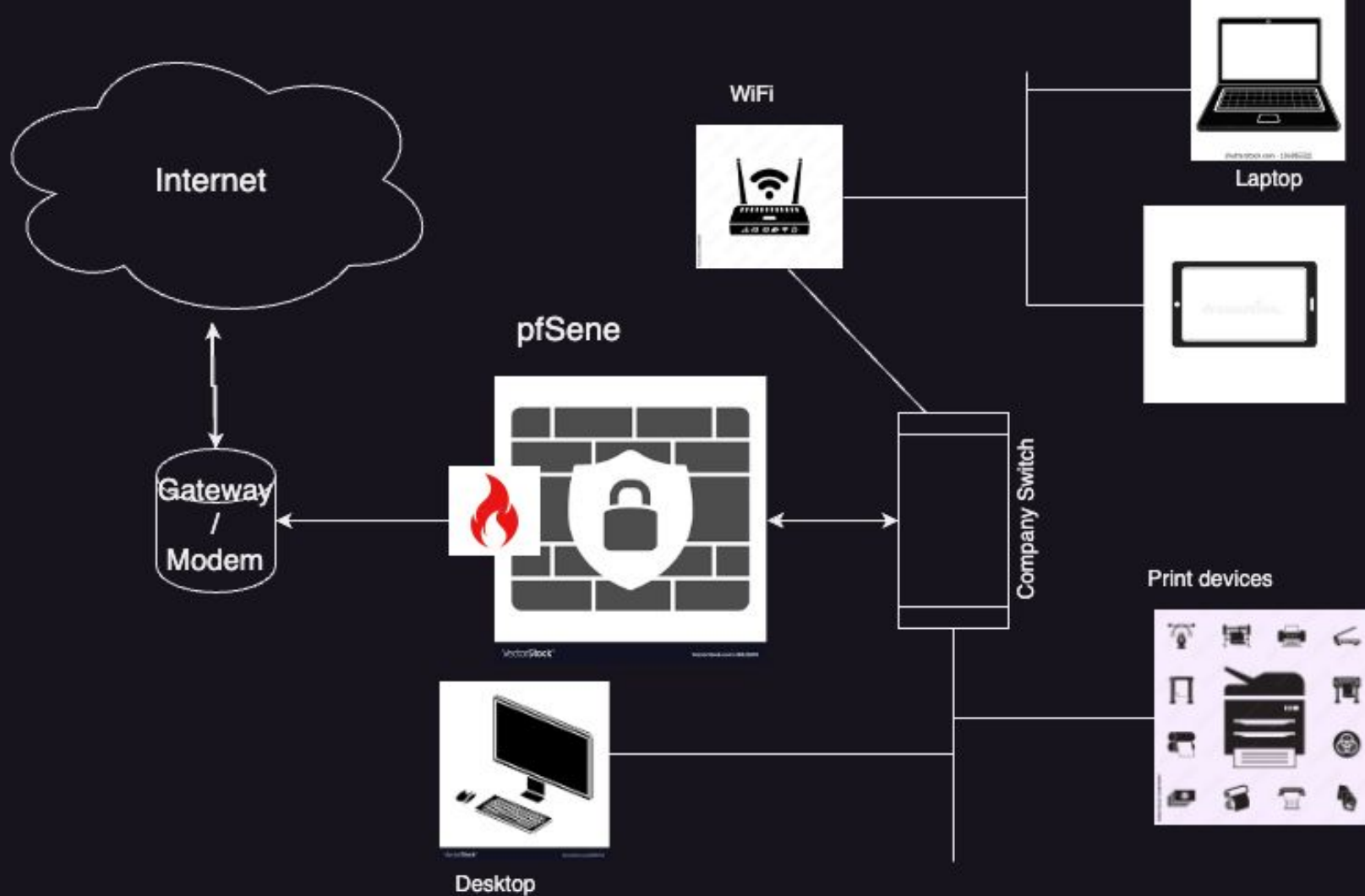- Private internal network with pfSense

Securing the internal network using pfSense

Configured firewall rules: firewall rules to control access to and from the internal network. This will help protect resources from unauthorized access.
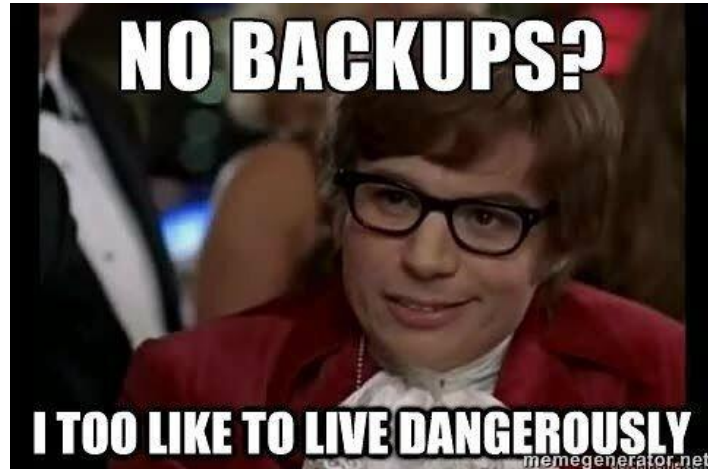
Internet

WiFi

Laptop

pfSene

Gateway / Modem

Company Switch

Print devices

Desktop

Demo!

File Sharing and Backup

Issues:
- File Sharing via Email
- No Backup System
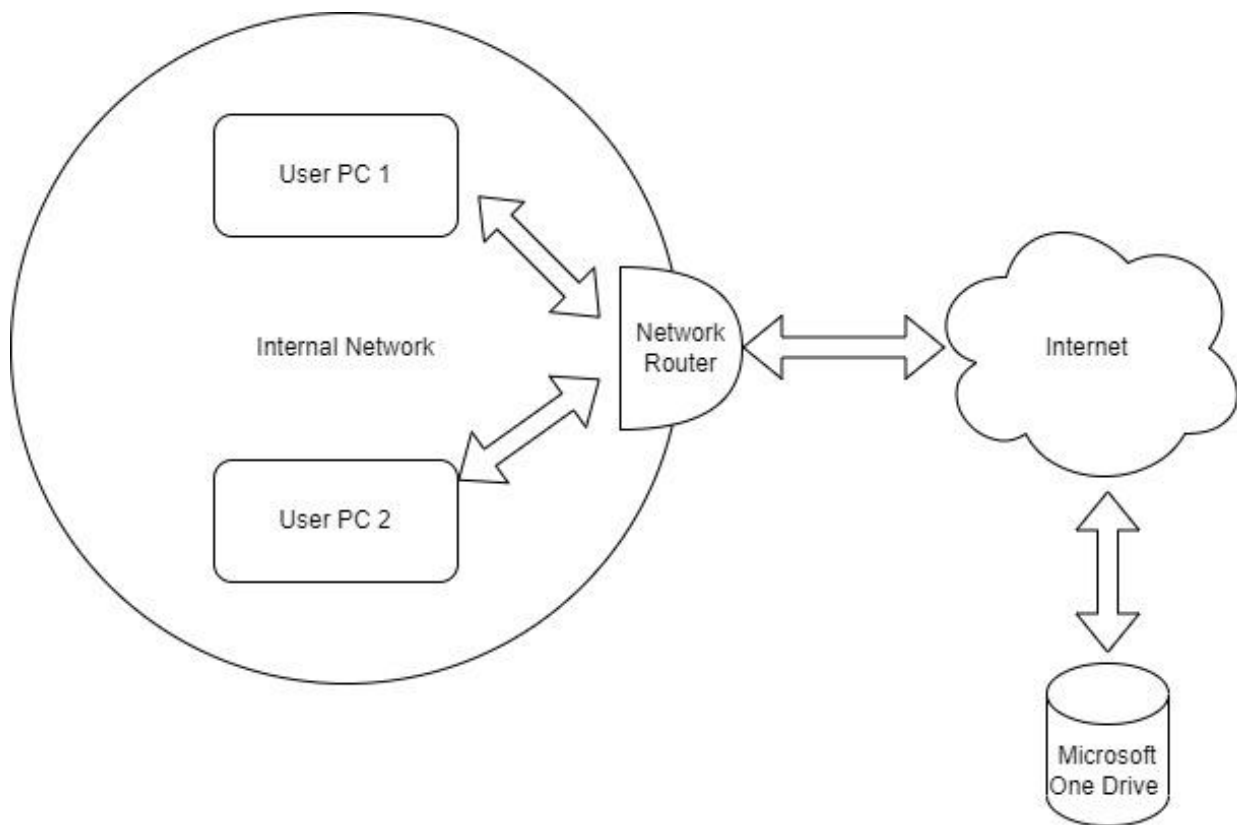- People forget to Backup their Data

File Sharing and Backup Solutions

Solutions:

- Microsoft One Drive
    - Cloud based Storage
    - File Sharing
    - Backup Solution
- Automatic Backups
    - Already set up on your machines

Topology

Demo!

Apache OpenOffice

- Issue : Outdated paper filing system.

- Solution:
- No more paper file system
- Free & Reliable
- User friendly

Spiceworks

- Issue: No support channel for client

  Solution:
- Cloud-hosted ticketing system for clients.
- Free to use and reliable.
- Able to document the process as well as communicate to clients directly.

PSRemote & RDP

- Issue: On premise administration and troubleshooting is expensive and inefficient.
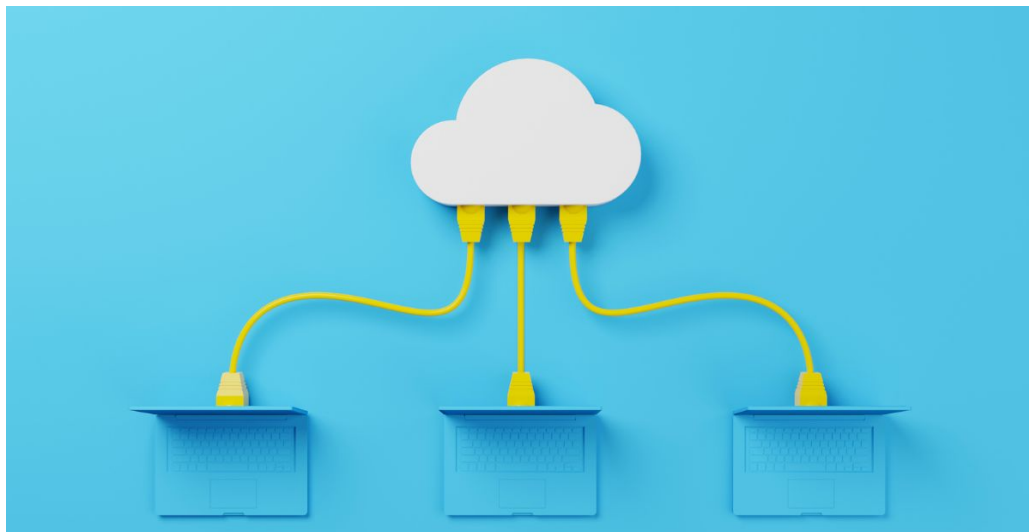
Solution:
- PSRemote & RDP enables MSP to access machines remotely.
- Reduce downtime for MSP and clients
- Automate certain administrative tasks using scripts.

Demo!

- Why pay for a server?
  - No need for hardware
  - Accessible from anywhere with a internet connection
  - Elastic

Demo!

Resources & Thanks

- Links to our Github Organization and LinkedIn profiles are in the chat
- Thanks to Ethan Denny for providing clarity in the ambiguity.

Questions?