Building your (MY FIRST) home lab

Arturo Sustaita



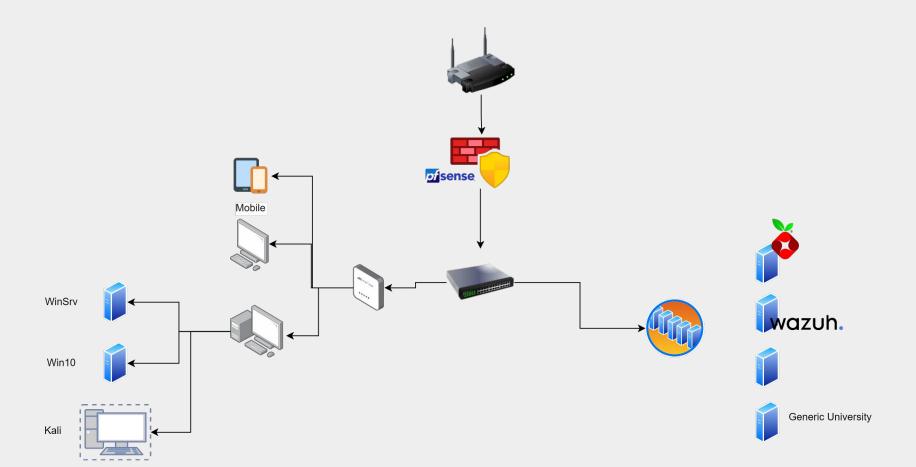
Who Am I?

- Security Consultant Penetration Tester
- Dad
- Coffee lover









Fase 1



Objetivo original:

Virtualizar máquinas

Recursos

Appliance

Modem

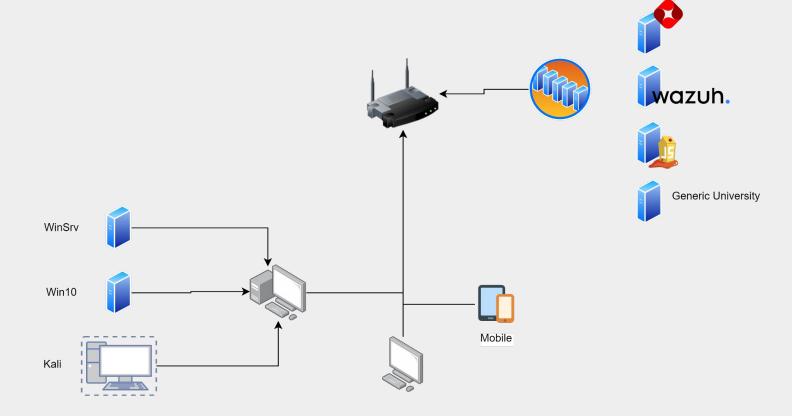








FASE 1



- Modem restringido
- Disco Duro murió
- Electricidad*
- Sin monitoreo red inalámbrico



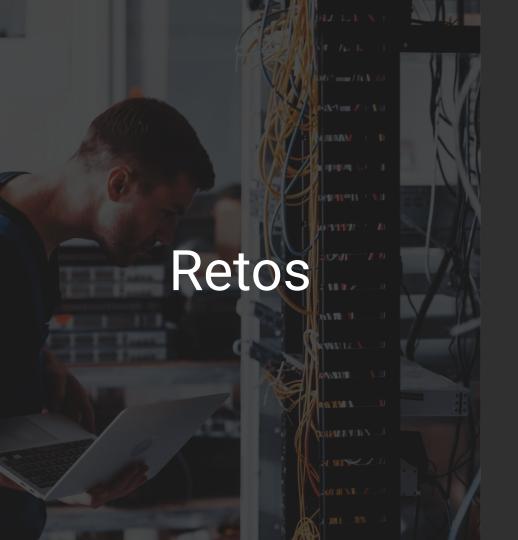
Exitos

- Virtualización
- Integridad de archivos
- Monitoreo de eventos de Docker
- Análisis de vulnerabilidades
- Detección de malware



Fase 2



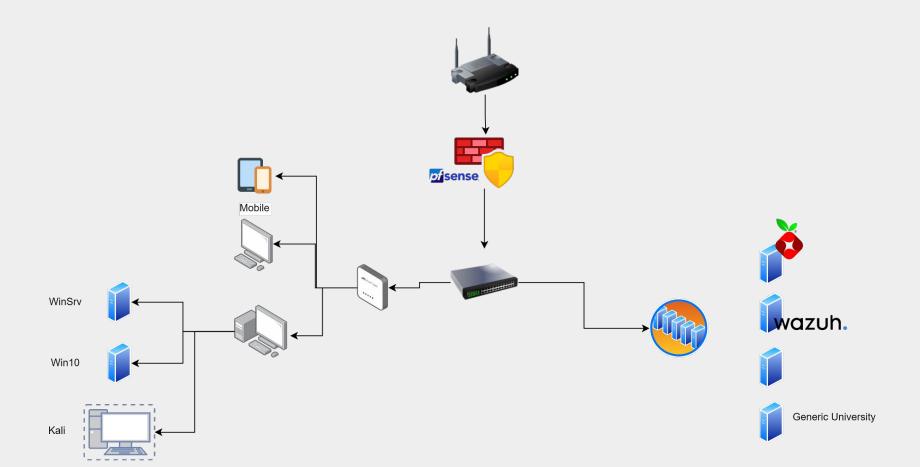


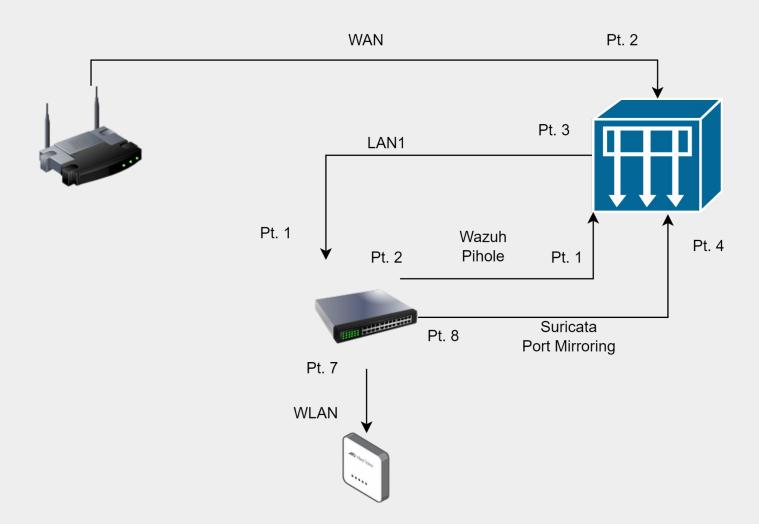
- Integrar Firewall PFSense
- Integrar dispositivos inalámbricos

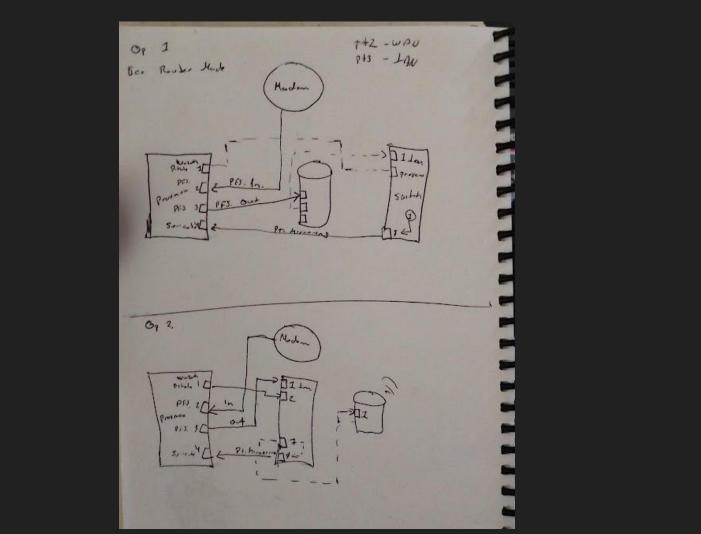
Nuevas adquisiciones





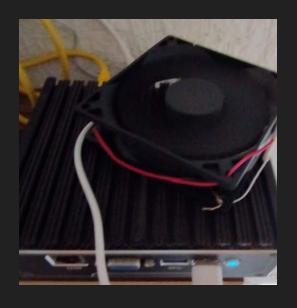


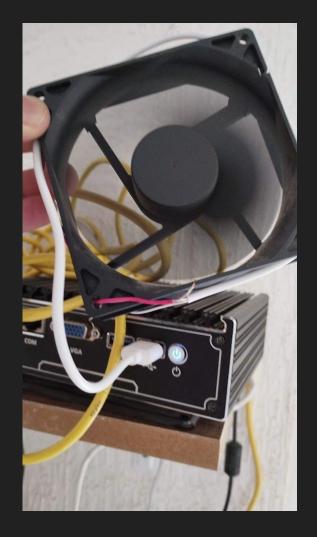


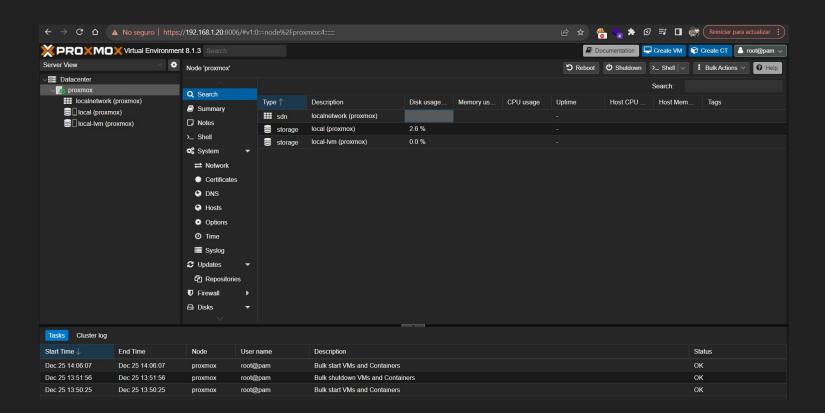


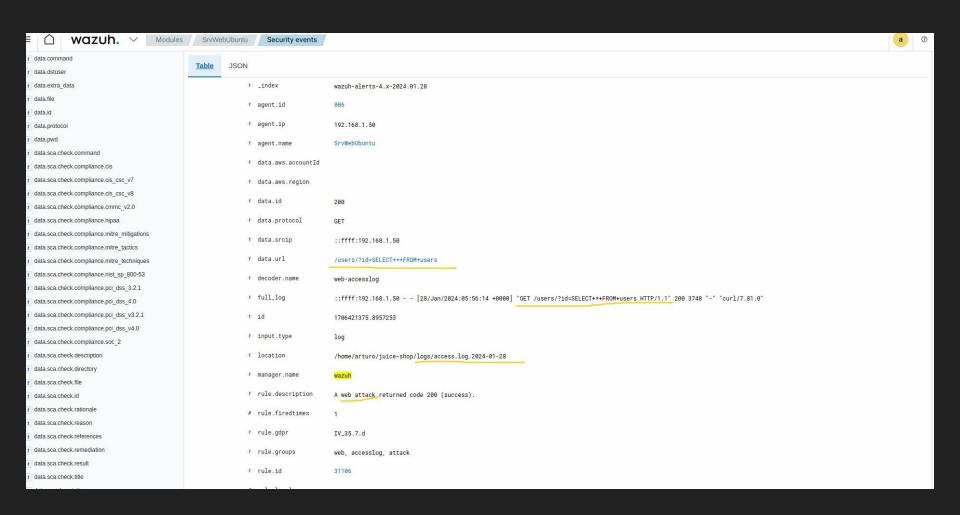
















Status

Active Load: 2.21 2.42 2.16 Memory usage: 12.7 %

♦ Temp: 47.0 °C

- ♠ Dashboard
- Query Log
- S Long-term Data
- **Groups**
- ☐ Clients
- **:**≡ Domains
- Adlists
- Disable Blocking
- Local DNS
- X Tools
- Settings
- **Q** Donate

Total queries

*

11,242 8 active clients **Oueries Blocked**

1,347

List blocked queries

Percentage Blocked

12%

List all queries 🖨

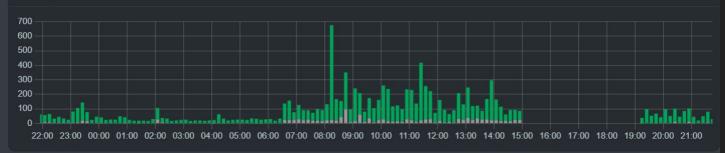
Domains on Adlists

172,482

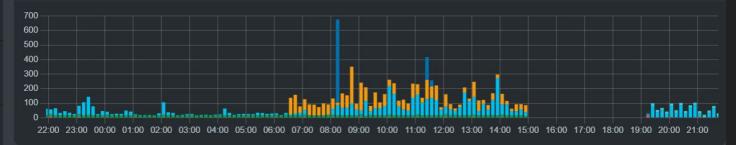
Manage adlists 😜

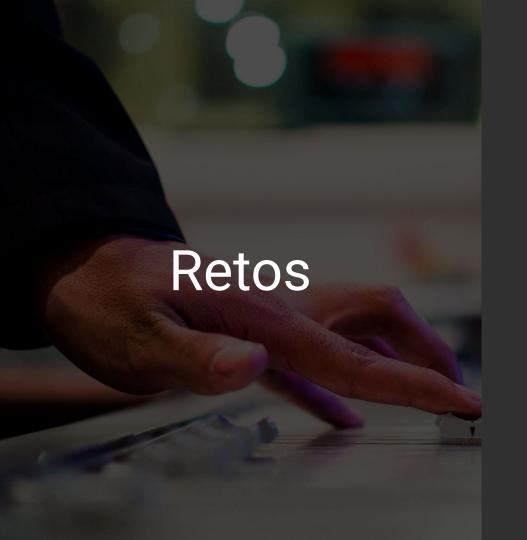
≡

Total queries over last 24 hours



Client activity over last 24 hours





- Diseño de red
- Configuración PFSense
- Migrar dispositivos a la nueva red

Conclusiones

- Wazuh
- -__ PFSense
- Pihole
- ---Suricata
- Proxmox

Next steps

- Monitoreo de red inalámbrica
- VPN
- Smart Home
- Electricidad

Referencias

- https://www.youtube.com/@NetworkChuck
- https://documentation.wazuh.com/current/quickstart.html
- https://forum.proxmox.com/threads/start-and-stop-kvm-vm-from-comm and-line.580/
- https://forum.proxmox.com/threads/temporary-failure-in-name-resolutionum.
 n.133176/

Gracias



#BugBites