

# VivaQuant

## Network Design

6/19/2025  
Revision 1.6



RX1 Mini Device  
Verizon Embedded Modem

Cloudflare - DNS Only

Cloudflare

DNS/WAF/DDoS/SSL

External user accessing Clinic  
Portal or Operator Portal

**Remote Access**  
AWS Client VPN  
SAML w/EntraID

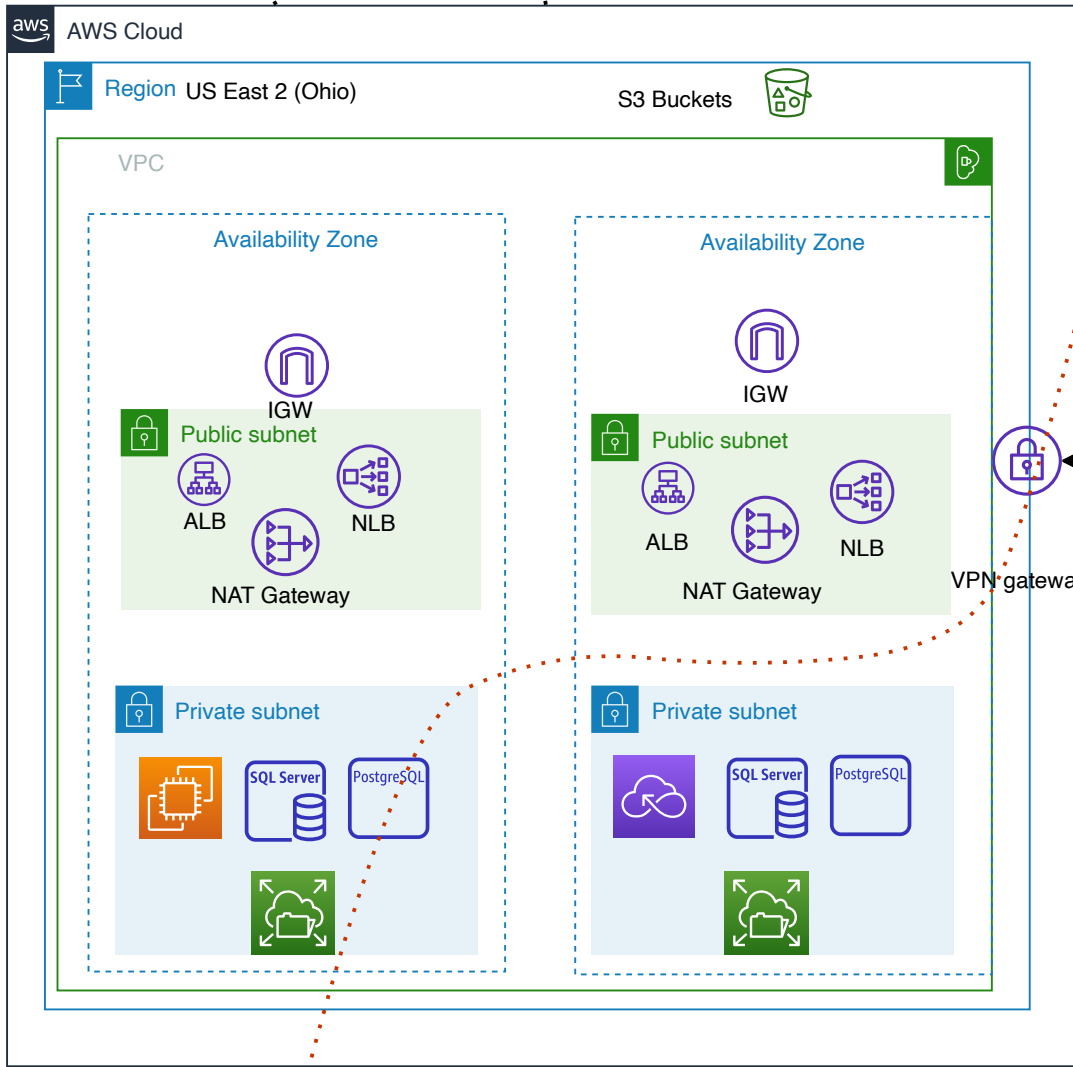
Cisco Secure Client  
SAML w/EntraID  
\* This solution is being  
replaced by Cloudflare ZTNA

Cloudflared tunnel connects outbound to Cloudflare  
ZTNA platform for access to VPCs using Warp Client

**Meraki Auto VPN/Public Internet**

End user laptops and desktops have Cloudflare Warp  
client installed for always-on VPN, Secure Web  
Gateway, and DNS/content filtering. Access to  
administrative services (RDP, SSH, etc) restricted by  
Cloudflare firewall using Entra groups

Cloudflared tunnel connects outbound to Cloudflare  
ZTNA platform for access to VPCs/Private apps using  
Warp Client



Route	Next Hop
10.0.X.X.XX	Local
X.X.X.X	IGW

### S3 Buckets

S3 Buckets are publicly accessible and have their access policy restricted to Cloudflare IP ranges - <https://www.cloudflare.com/ips/>  
These buckets all have static website hosting enabled for the front end to the new browser-based Clinic Portal. SSL/WAF is enabled and protected via Cloudflare

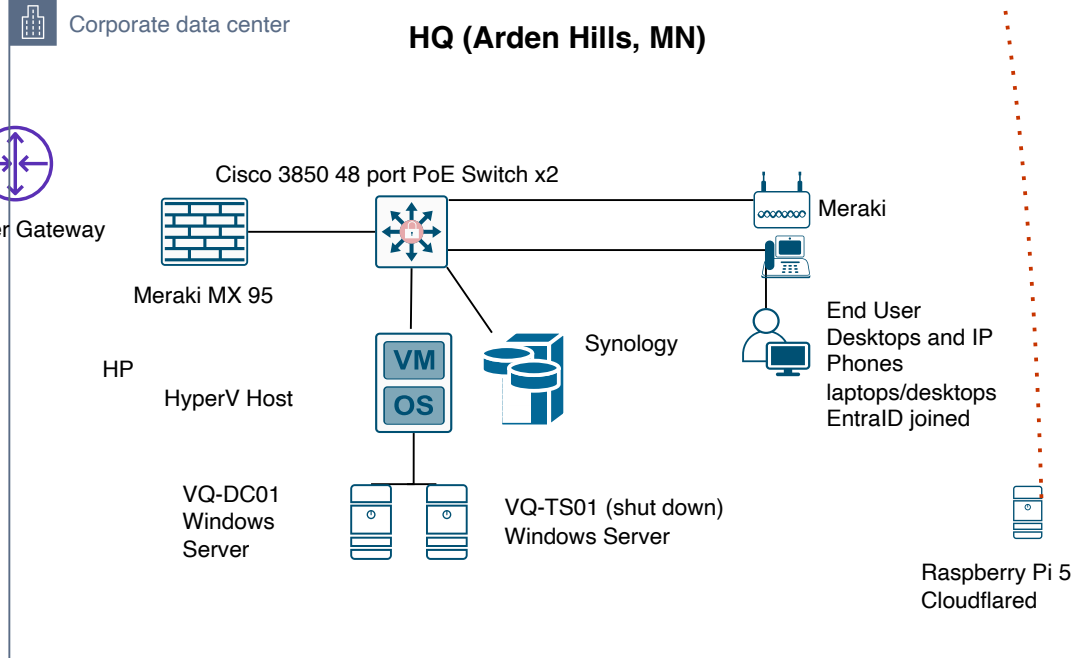
- access.rhythmxpresssecg.com
- access-stage.rhythmxpresssecg.com
- access-dev.rhythmxpresssecg.com

Public Internet

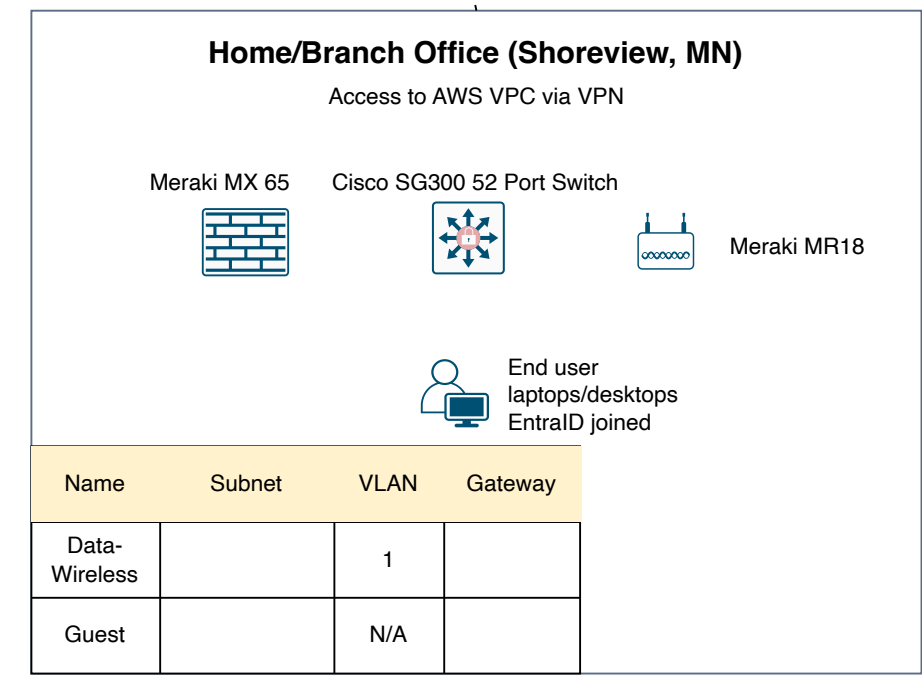
Site-to Site VPN to Monitoring Center  
(Shoreview, MN) and Home Office

Route	Next Hop
	Local
	Local
	NAT GW
	VGW
	VGW
	VGW
	VGW

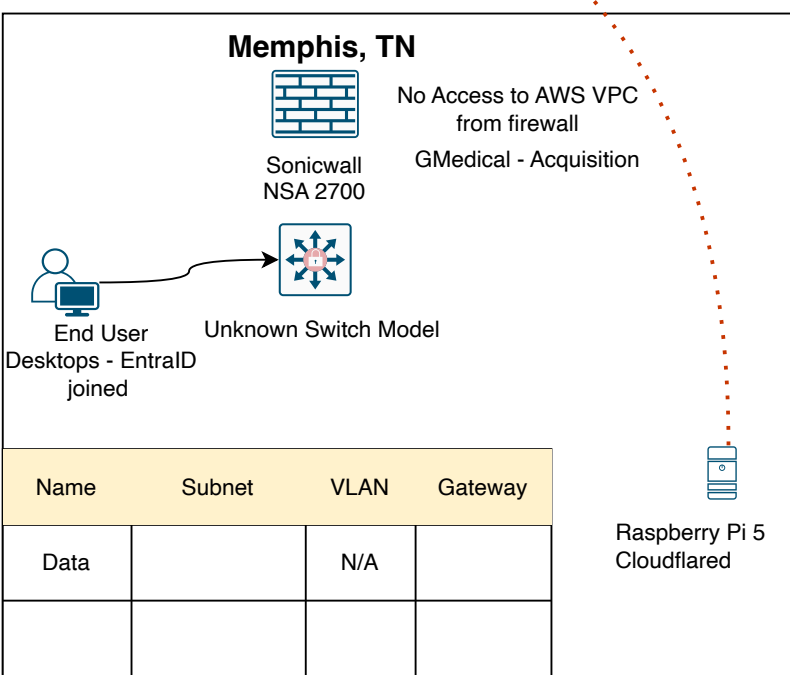
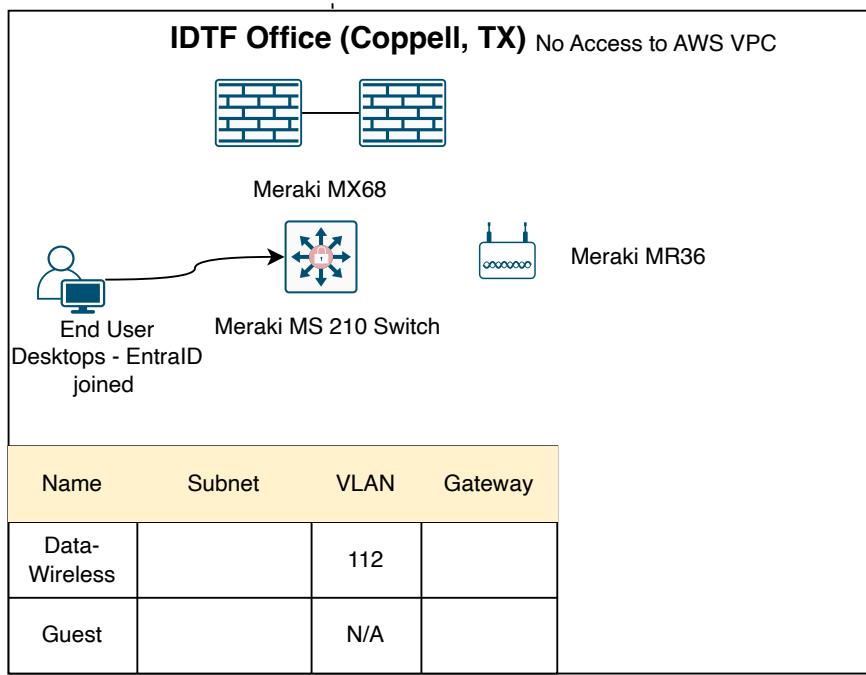
Customer Gateway



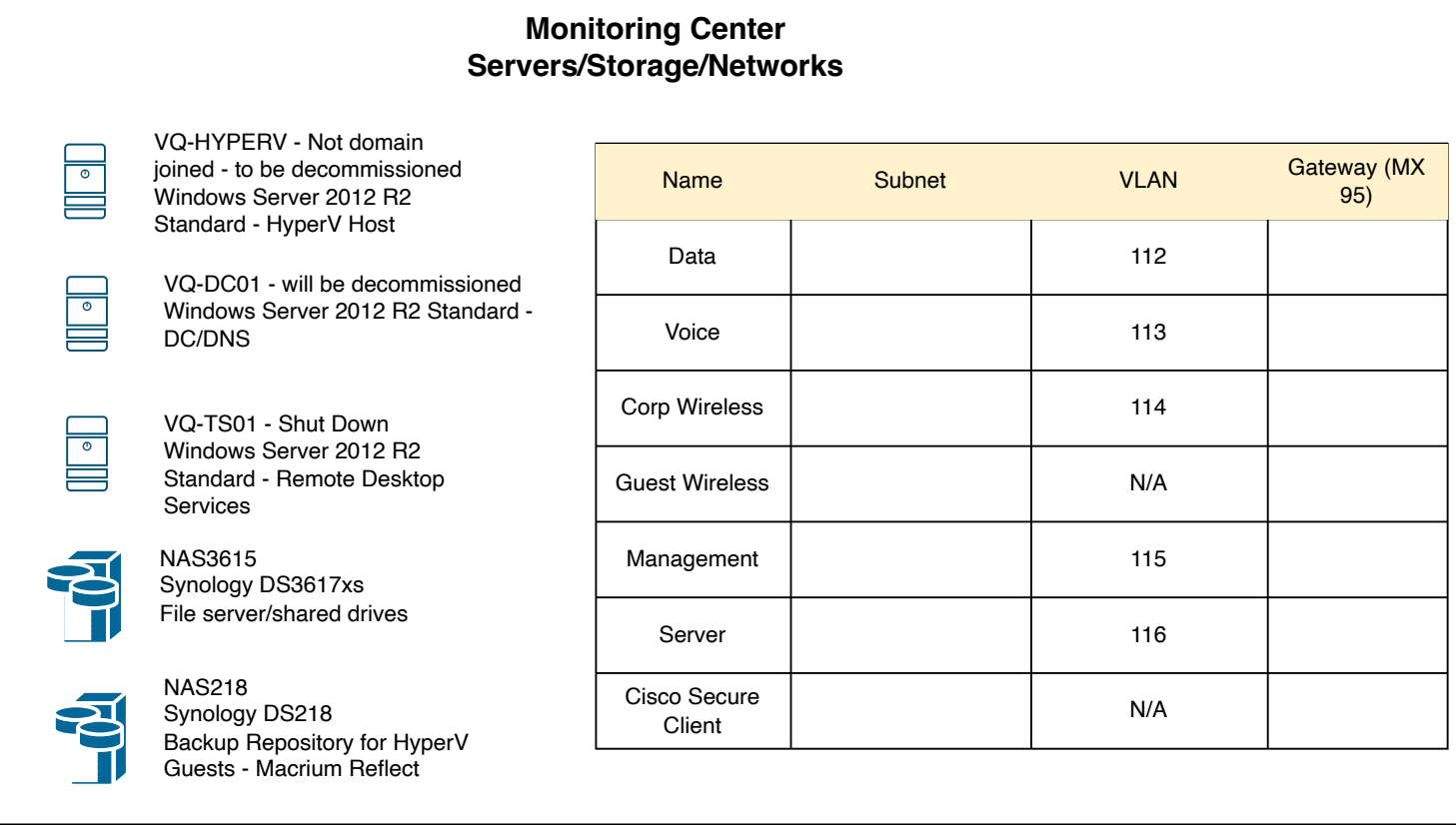
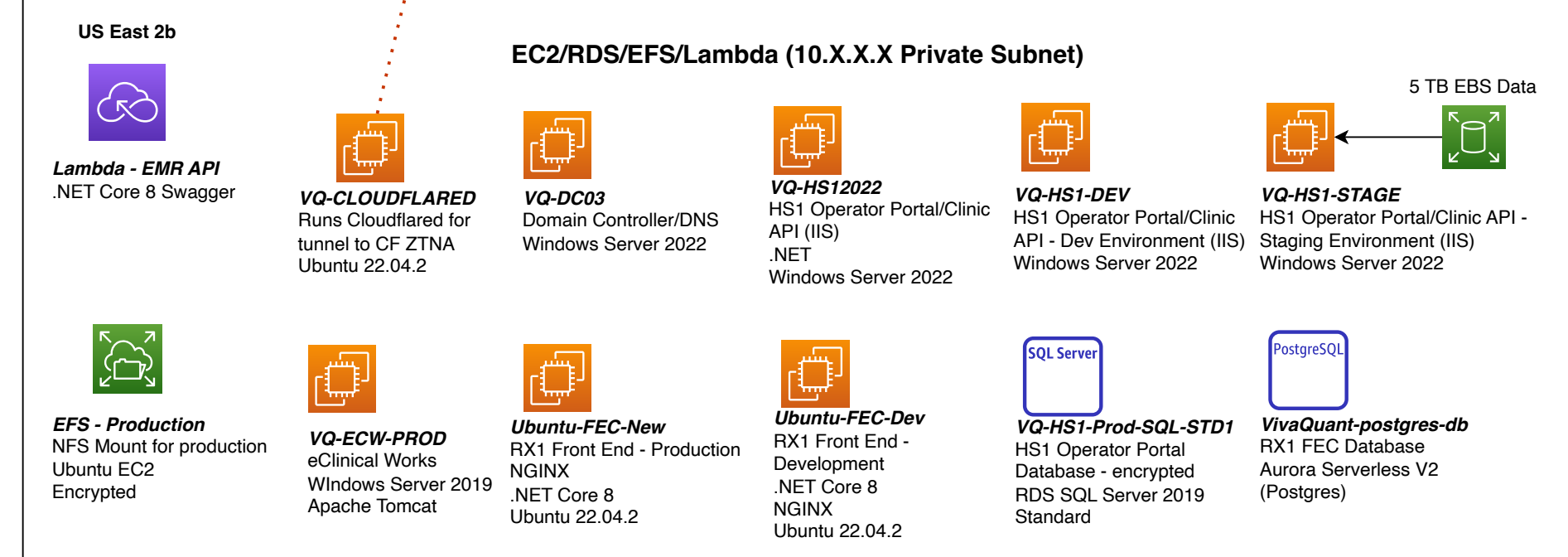
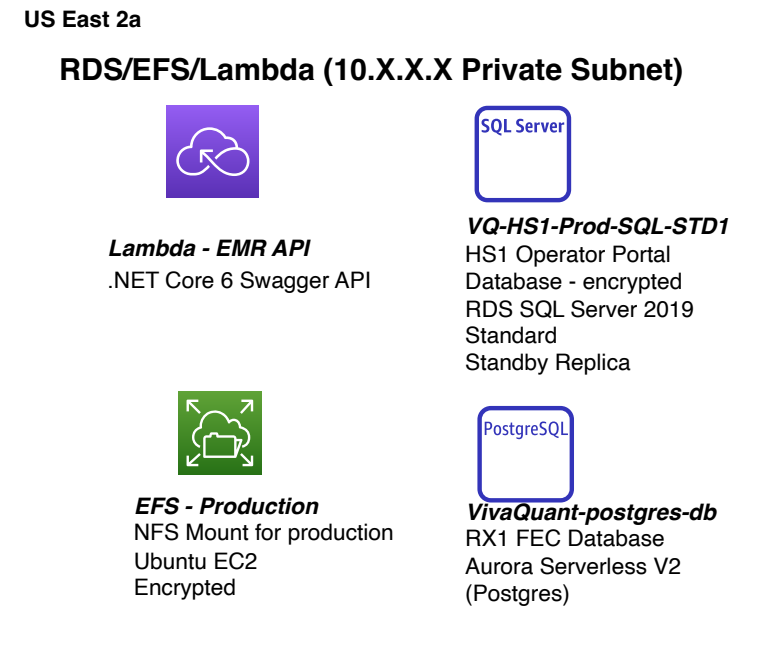
Site-to Site VPN to AHS



Site-to Site VPN to Ero Health



Raspberry Pi 5  
Cloudflared



Name	Subnet	VLAN	Gateway (MX 95)
Data		112	
Voice		113	
Corp Wireless		114	
Guest Wireless		N/A	
Management		115	
Server		116	
Cisco Secure Client		N/A	

