00 MULTI-CLOUD HYBRID/RETRO LAB CORE NETWORKING AND INFRASTRUCTURE

ATTILA'S ON-PREMISES SITE

MODERN/CURRENT OPERATING SYSTEMS Address space: 172.22.22.0/24 (VLAN 22)



DC01 [172.22.22.1] Windows Server 2022 First Domain Controller (1 VCPU, 2GB RAM)



[172.22.22.2] Windows Server 2025 Active File Server (CSV on iSCSI) (1 VCPU, 2GB RAM)



[172.22.22.3] Windows Server 2025 Standby/Passive File Server (CSV on iSCSI) (1 VCPU, 2GB RÁM)

Windows Server 2025

(X VCPU, XGB RAM)



[172.22.22.251]
TBD
Management IP (VLANs) (48 port, gigabit, 10G SFP)



[172.22.22.254] RB5009UPr+S+ (arm64) Mikrotik Gateway/Firewall (1 VCPU, 2GB RAM)





PETER'S ON-PREMISES SITE

MODERN/CURRENT OPERATING SYSTEMS

Cisco Switch [172.22.23.251]



[172.22.23.254]

RG222

Mikrotik Gateway/Firewall

DC02 [172.22.23.1] Windows Server 2022 Additional Domain Controller (1 VCPU, 2GB RAM)



XXX gement IP (VLANs)

Modern Clients (DHCP) [172.22.23.224-250] Windows 11 physical or VM



UBUNTU24 [172.22.23.?] Unbuntu Linux 24.04 LTS Noble Numbat (2024)

(2 VCPU, 4GB RAM) **Syno**logy



TNAS2 [172 22 23 252] True NAS Server (2 VCPU, 4GB RAM)



NAS2 (@1G) [172.22.23.253] Synology NAS 718+ (4 VCPU, 16GB RAM)

[172.22.22.4] Windows Server 2025 SQL X

(X VCPU, XGB RAM)

TrueNAS

[172.22.22.5] Windows Server 2025 (X VCPU, XGB RAM)





TNAS1 [172.22.22.252] (2 VCPU, 16GB RAM)





NAS1 (@10G) [172.22.22.253] Synology NAS 1821+ (4 VCPU, 64GB RAM)



[172.22.22.?] Canon (A3, color, laser)



[172.22.22.224-250] Windows 10, 11 (physical or VM)

RETRO/LEGACY OPERATING SYSTEMS Address space: 172.22.16.0/24 (VLAN 16)



[172.22.16.1] Windows Server 2003 R2 Primary Domain Controller (1 VCPU, 1GB RAM)



[172.22.16.2] Windows Server 2003 R2 Primary File Server (1 VCPU, 1GB RAM)



[172.22.16.4] Windows Server 2003 R2 SQL Server 2005 (1 VCPU, 2GB RAM)



[172.22.16.6] Windows Server 2003 R2 IIS Server 6.0 (1 VCPU, 1GB RAM)



Retro/Legacy Clients (DHCP) [172.22.16.224-250] DOS 6.22, Windows 98, XP, 7 physical or VM



Retro Matrix Printer [172.22.16.?] via HP JetDirect (A4, color, matrix)

RETRO/LEGACY OPERATING SYSTEMS Address space: 172.22.17.0/24 (VLAN 17)



[172.22.17.1] Windows Server 2003 R2 Secondary Domain Controller (1 VCPU, 1GB RAM)



L-UBUNTU410 [172.22.17.?] Unbuntu Linux 4.10 Warty Warthog (2004) (1 VCPU, 1GB RAM)



Retro/Legacy Clients (DHCP) [172.22.17.224-250] DOS 6.22, Windows 98, XP, 7 physical or VM

AZURE (26)

Address space: 172.22.**26**.0/24



Mikrotik Firewall [172.22.26.4] CHR Mikrotik Gateway/Firewall B1s (1 VCPU, 2GB RAM)

AWS (27)

Address space: 172.22.**27**.0/24



Mikrotik Firewall Cloud Hosted Router (CHR) Mikrotik Gateway/Firewal ? (1 VCPU, 2GB RAM)

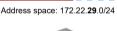
GCP (28)

Address space: 172.22.**28**.0/24



Mikrotik Firewall [172.22.28.?] Cloud Hosted Router (CHR) Mikrotik Gateway/Firewa ? (1 VCPU, 2GB RAM)

OCI (29)





Mikrotik Firewall Cloud Hosted Router (CHR) Mikrotik Gateway/Firewall ? (1 VCPU, 2GB RAM)

HUAWEI (30)

Address space: 172.22.**30**.0/24



Mikrotik Firewall [172.22.30.?] Cloud Hosted Router (CHR) Mikrotik Gateway/Firewa ? (1 VCPU, 2GB RAM)