JVLAN 2025

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Internet – Init7

MikroTik CRS317

Specs :
MikroTik CRS317-1G-16S+RM
16x SFP+ 10GbE
1x RJ45
Up to 317 Gbps Switching
DHCP Server (VLAN100, 110) + ARP

VLAN1 (Serveurs)
VLAN100 (Networking)
VLAN110 (Joueurs)

20 gbps
25 gbps
10 gbps
10 gbps
10 gbps
1 gbps
10 gbps
1 gbps
20 gbps
20 gbps
10 gbps
10 gbps

Poli Systems Cloud VM (Ubuntu Server 24.04 LTS)

Specs :
AMD EPYC 7002 (8 cores)
16GB DDR4
40 GB NVMe SSD (RAID 10)
20 gb/s uplink

Poli Systems Cloud VM

AWS SES

Intranet – Rickroll (Ubuntu)

Roles :
- Intranet WebServer
- Rickroll WebServer
- Coding server
- Main website

R620 (PfSense)

Specs :
Dell R620 Idrac Enterprise Edition
2x Intel® Xeon® E5-2697 v2 (2,7 GHz, 12 cores, 130W TDP, turbo 3,5 GHz)
64GB DDR3L ECC 1600
2x 500GB Crucial BX500 SSD
Controller PERC H710 Mini
Dell BCM78005 2x 10GbE SFP+, 2x RJ45
Intel XS20-DA2 2x 10GbE SFP+
Nvidia MCX512A X5 2x 25GbE SFP28

Firewall (PfSense)

Roles :
- DHCP Server
- Firewall
- Routing
- Inter-Vlan routing
- Rate limiting on WAN
- Gateway backup switcher

R720XD (Proxmox VE)

Specs :
Dell R720XD Idrac Enterprise Edition
2x Intel® Xeon® E5-2687W v2 (3,4 GHz, 8 cores, 150W TDP, turbo 4,0 GHz)
128GB DDR3 ECC 1866
16 disk (HDD + SSD)
Controller PERC H710 mini
Dell BCM57800 2x 10GbE SFP+, 2x RJ45

Unifi (Ubuntu Server 22.04 LTS)

Roles :
- Unifi AP manager
- Unifi DHCP Guarding for Wi-Fi

DNS1 (Ubuntu Server 24.04 LTS)

Roles :
- DNS
- Internal DNS
- Rickroll redirector

Proxy (Ubuntu Server 22.04 LTS)

Roles :
- Internal reverse proxy
- SSL Signer
- Common HTTP/HTTPS exploit blocker

DNS2 (Ubuntu Server 24.04 LTS)

Roles :
- DNS
- Internal DNS
- Rickroll redirector

Monitoring (Ubuntu Server 22.04 LTS)

Roles :
- Monitoring of all instances
- Monitoring for switches
- Networking Statistiics
- Observium

Streaming (Ubuntu Server 22.04 LTS)

Roles :
- MediaMTX
- Transmissions of in lan cameras to Streamers

Zotac (Encoder)

Specs :
Zotac Zbox Magnus One
Intel® Core® i7-9750H (2,6 GHz, 6 cores, 45W TDP, turbo 4,5 GHz)
32GB DDR4
2,5 Gbps connectivity
NVIDIA GeForce RTX 2080M (8gb)

Encoder (Windows 11 Pro)

Roles :
- Camera encoder/transcoder
- Streaming retranscription

Exploit Network

Poli Systems Game Cluster (Ubuntu Server 24.04 LTS)

Specs :
Ryzen 7 PRO 8700GE
DDR5 ECC
NVME

Poli Systems Game Cluster

Web Game Management

Roles :
- Hosting for game server

R630 (LanCache)

Specs :
Dell R630 Idrac Enterprise Edition
2x Intel® Xeon® E5-2699 v3 (2,3 GHz, 18 cores, 145W TDP, turbo 3,6 GHz)
256GB DDR4 ECC 2133
2x 500GB Samsung 870 SSD
2x 2000GB WD Black SN850X (Gen. 4)
2x 2000GB Segate FireCude 520 (Gen. 4)
2x Supermicro Gen4 PCI card
Controller PERC H730
Dell BCM78005 2x 10GbE SFP+, 2x RJ45

LanCache (Ubuntu Server 24.04 LTS)

Roles :
- SNI Proxy
- LanCache-host
- Cache downloads for all type of game launcher and Windows
- Fake CDN of Steam, Origin and other (multiple IP's registred on both internal DNS)

Poli Systems Knockout VM (Ubuntu Server 24.04 LTS)

Specs :
AMD EPYC 9654 (32 cores)
128GB DDR4
80 GB NVMe SSD (RAID 10)
20 gb/s uplink

Poli Systems Cloud VM

Knockout Server

Roles :
- Host knockout City Games

Cisco Catalyst 9300 Series

Specs :
Cisco 9360
8x SFP+
UPOE x48 GbE

VLAN100 (Networking)
VLAN110 (Joueurs)

8x 1 gbps
8x 1gbps
8x 1gbps
8x 1gbps

Switch Joueur 1
Switch Joueur 2
Switch Joueur 3
Switch Joueur 4

Antenne Wi-Fi
Antenne Wi-Fi

X9