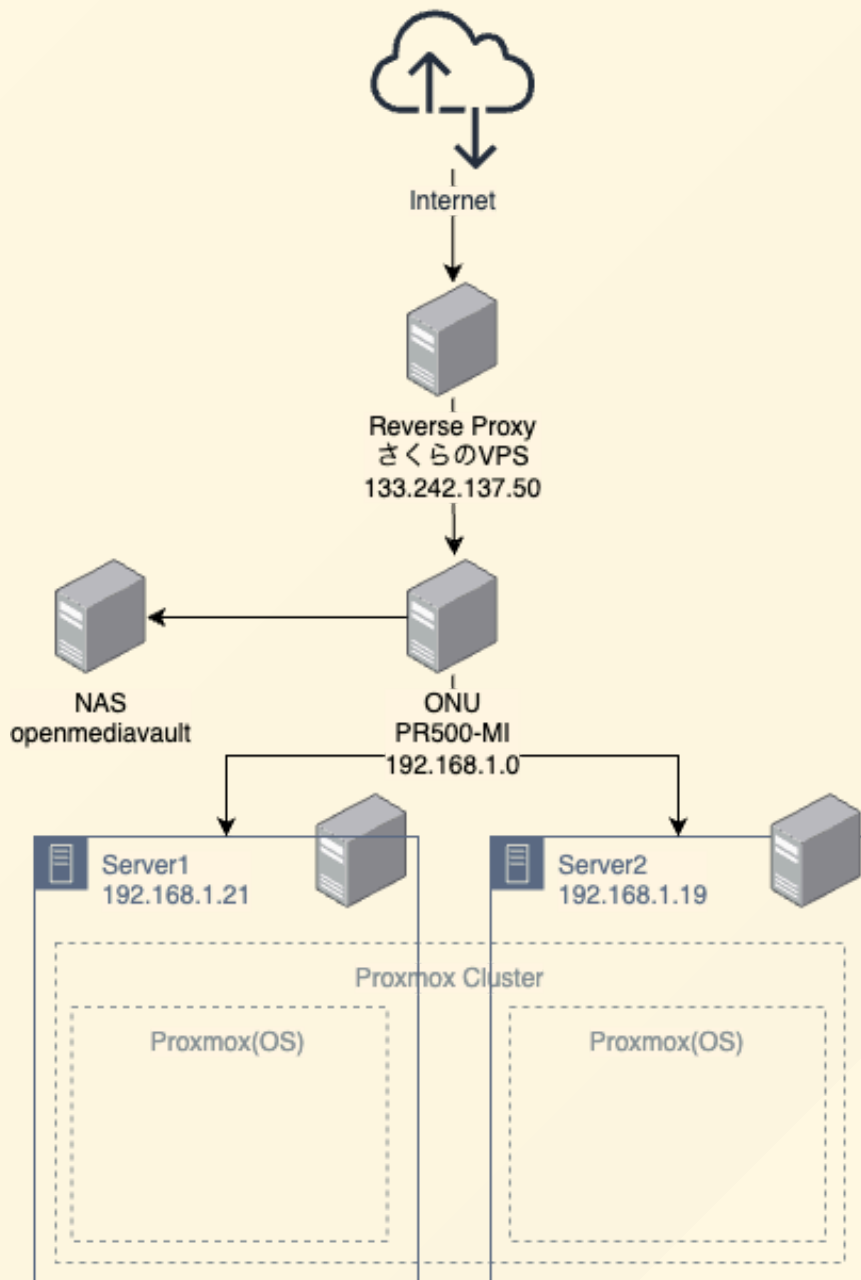


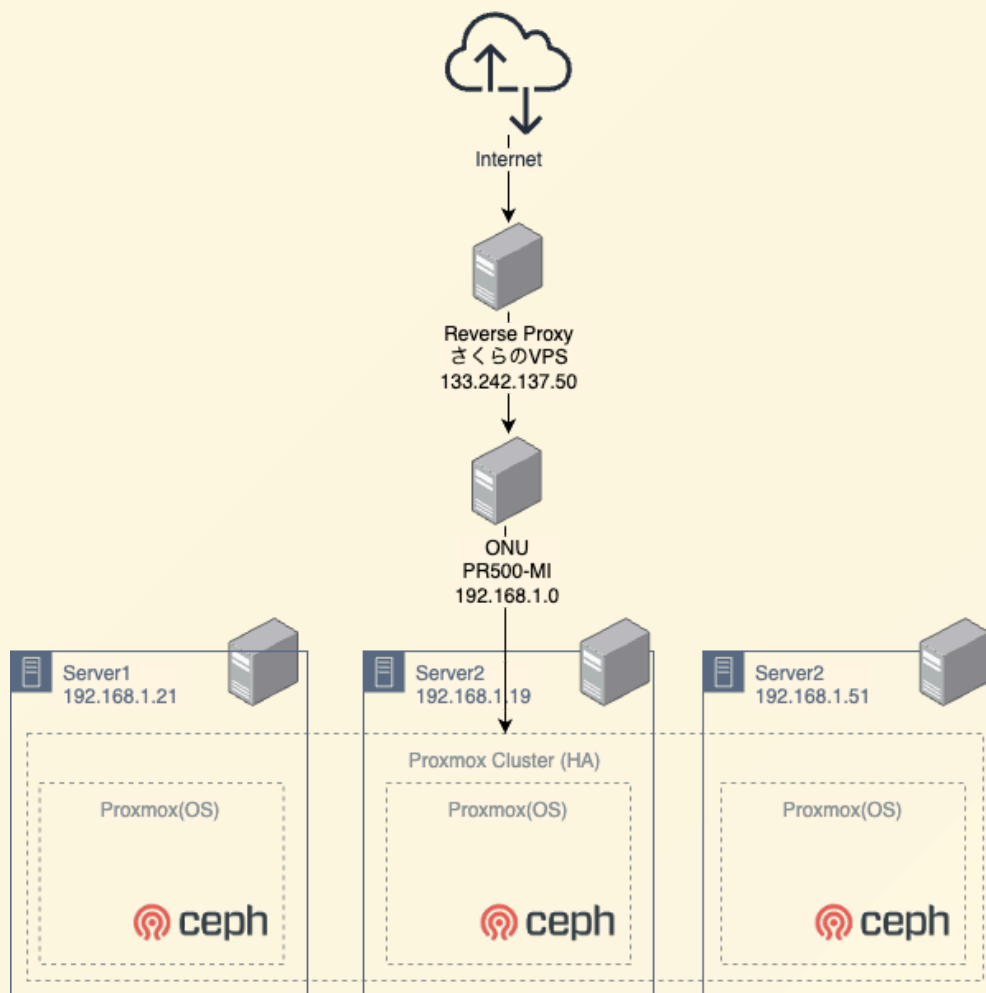
# ぼくの自宅サーバー育成日記



# サーバー2台時代

- サーバー2台構成でProxmox Cluster
- ストレージはNAS(openmediavault)で用意
- 前段にReverseProxyを用意。それを経由して自宅ネットワークへ接続

# HA構成・Ceph時代



- サーバー3台構成でProxmox Cluster
  - → HA構成へ
- ストレージはCeph Clusterで用意
  - ~~Cephのご機嫌取りはここから~~
- しばらくこの構成のままで運用

# Kubernetes Migration

- Proxmox Cluster上にVMを6台構築
  - Control plane 3台
  - Worker Node 3台
- ほとんどをVM,CTからKubernetesに移行

```
Context: kubernetes-admin@kubernetes
Cluster: kubernetes
User: kubernetes-admin
K9s Rev: v0.32.5 ⚡ v0.32.7
K8s Rev: v1.26.3
CPU: 4%
MEM: 25%
```

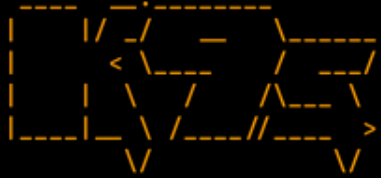


Pods(dev)[5]

NAME↑	PF	READY	STATUS	ESTARTS
dashy-5cd8574b79-fqvjg	●	1/1	Running	0
jupyter-798ff98fb6-x8lxz	●	1/1	Running	0
mypaper-784bdf44f8-7ltpm	●	1/1	Running	0
switchbot-exporter-67748db458-cqxxp	●	1/1	Running	4
switchbot-exporter-67748db458-qg8xx	●	1/1	Running	0

<pod>

```
Context: kubernetes-admin@kubernetes
Cluster: kubernetes
User: kubernetes-admin
K9s Rev: v0.32.5 ⚡ v0.32.7
K8s Rev: v1.26.3
CPU: 4%
MEM: 25%
```

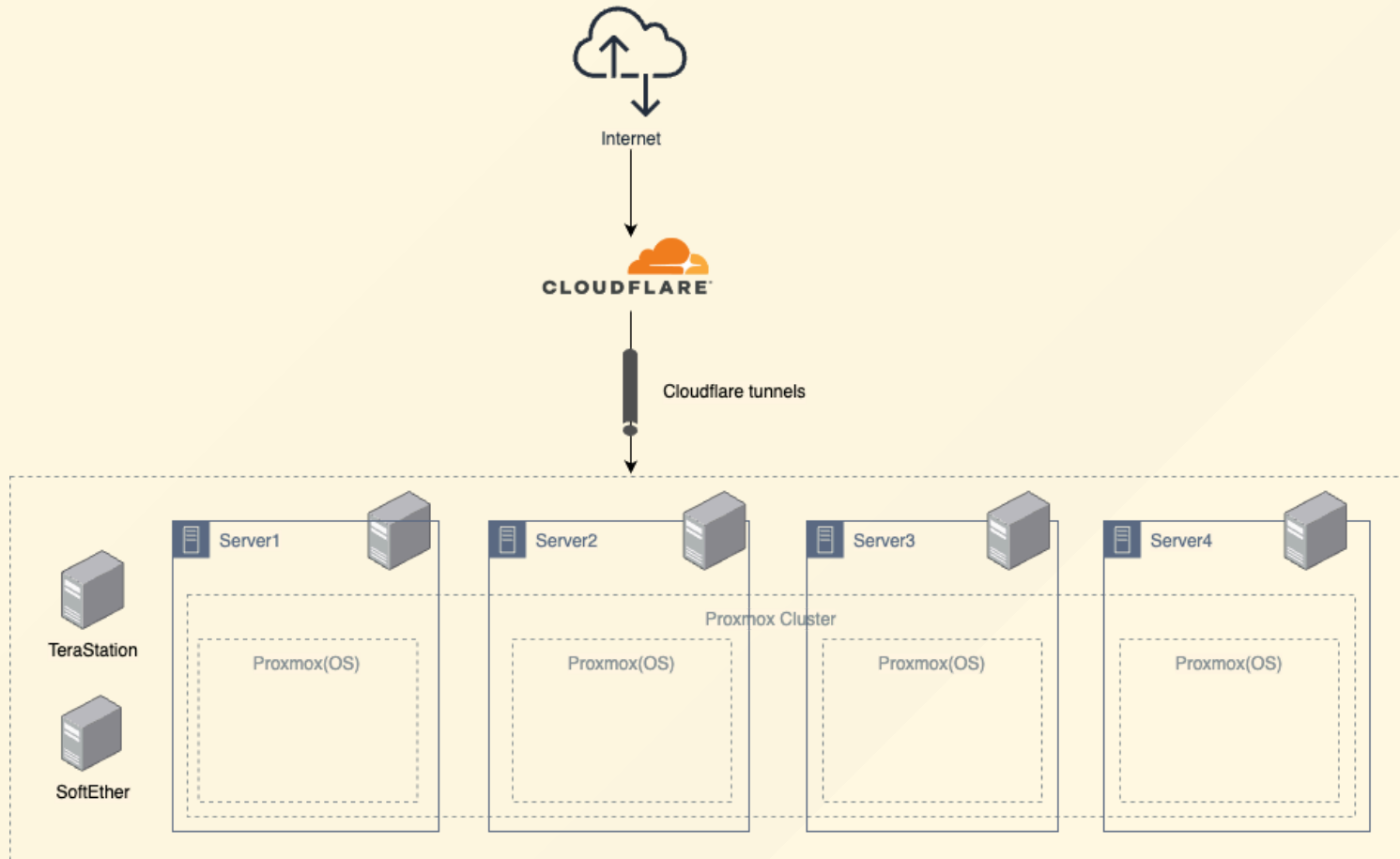


Pods(prod)[6]

NAME↑	PF	READY	STATUS	ARTS
mynote-7dfdb6d884-7zrnz	●	1/1	Running	1
mynote-7dfdb6d884-jf6x4	●	1/1	Running	0
mytalk-76df699fc4-kc4cz	●	1/1	Running	0
opensearch-65df74747c-dpn47	●	1/1	Running	0
opensearch-dashboards-6544dbc68c-jcb45	●	1/1	Running	0
redis-5776bb9f96-d6rrg	●	1/1	Running	1

<pod>

# 現在の構成



- Region 2（一人暮らし）へ大移動
- Reverse proxyからCloudflare tunnelsへ
- CephからTeraStationへ
- 4台+VPN1台構成へ

Datacenter (cluster)

pve1

100 (monitor)

111 (reverse-proxy)

113 (monitor)

101 (vpn-server-1)

102 (k8s-master-1)

103 (k8s-worker-1)

110 (windows)

localnetwork (pve1)

local (pve1)

local-lvm (pve1)

terastation (pve1)

pve2

106 (k8s-nginx)

112 (CT112)

105 (k8s-master-2)

109 (prd-mysql)

114 (k8s-worker-2)

localnetwork (pve2)

local (pve2)

local-lvm (pve2)

terastation (pve2)

pve3

104 (k8s-master-3)

115 (k8s-worker-3)

localnetwork (pve3)

local (pve3)

local-lvm (pve3)

terastation (pve3)

pve4

localnetwork (pve4)

local (pve4)

local-lvm (pve4)

terastation (pve4)

Search

Summary

Notes

Cluster

Ceph

Options

Storage

Backup

Replication

Permissions

Users

API Tokens

Two Factor

Groups

Pools

Roles

Realms

HA

SDN

Zones

VNets

Options

IPAM

ACME

Firewall

Metric Server

Resource Mappings

Notifications

Support

Health

Status

Cluster: cluster, Quorate: Yes

Nodes

Online

4

Offline

0

Guests

Virtual Machines

Running

8

Stopped

1

LXC Container

Running

3

Stopped

2

Resources

CPU

3%

of 28 CPU(s)

Memory

27%

32.12 GiB of 117.15 GiB

Storage

51%

2.34 TiB of 4.60 TiB

Nodes

Name	ID	Online	Support	Server Address	CPU usage	Memory usage	Uptime
pve1	1	✓	-	192.168.1.21	3%	32%	3 days 09:...
pve2	2	✓	-	192.168.1.19	4%	36%	3 days 09:...
pve3	3	✓	-	192.168.1.51	7%	40%	3 days 09:...
pve4	4	✓	-	192.168.1.16	1%	4%	00:05:36

Logs

⬆️

# 載せているアプリケーション

- 自作アプリケーションのバックエンド
  - [MyNote](#)
  - [MyTalk](#)
  - MyPaper
- マイクラサーバー
- Grafana, Prometheus
- SwitchBot
- SoftEther ...