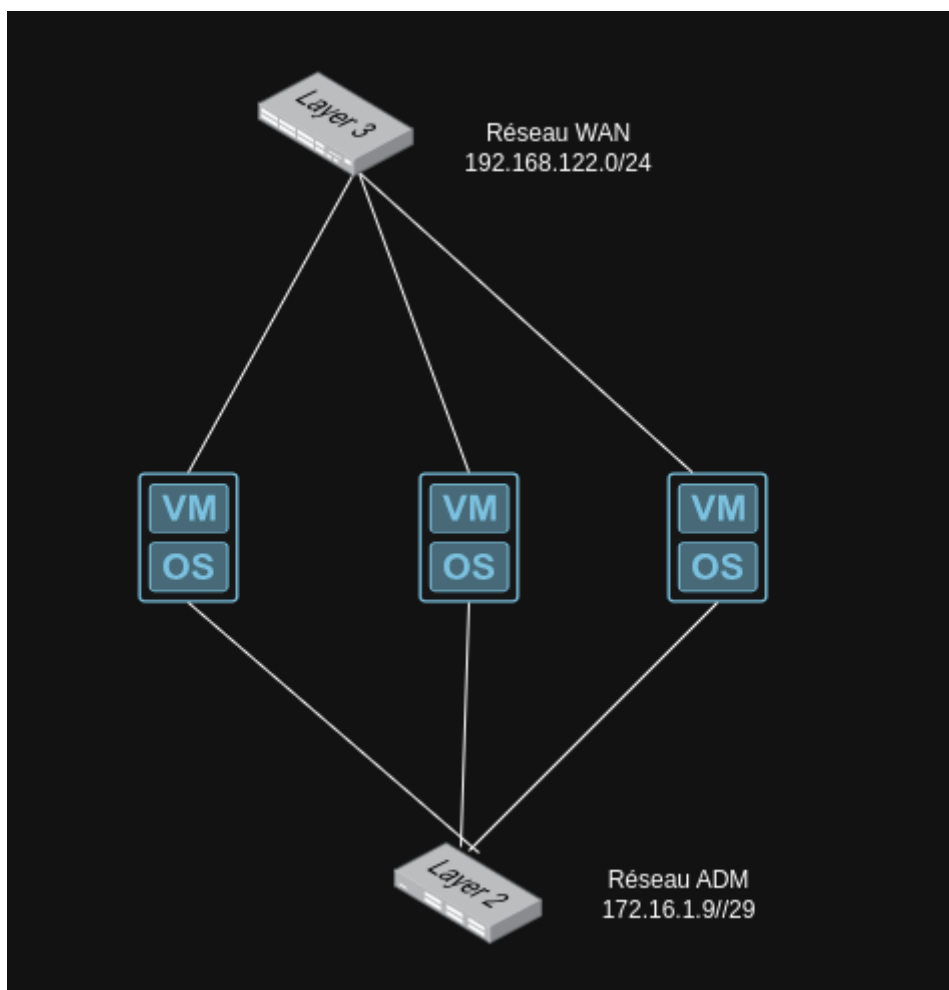


2- Initialisation d'un cluster Proxmox

Prérequis:

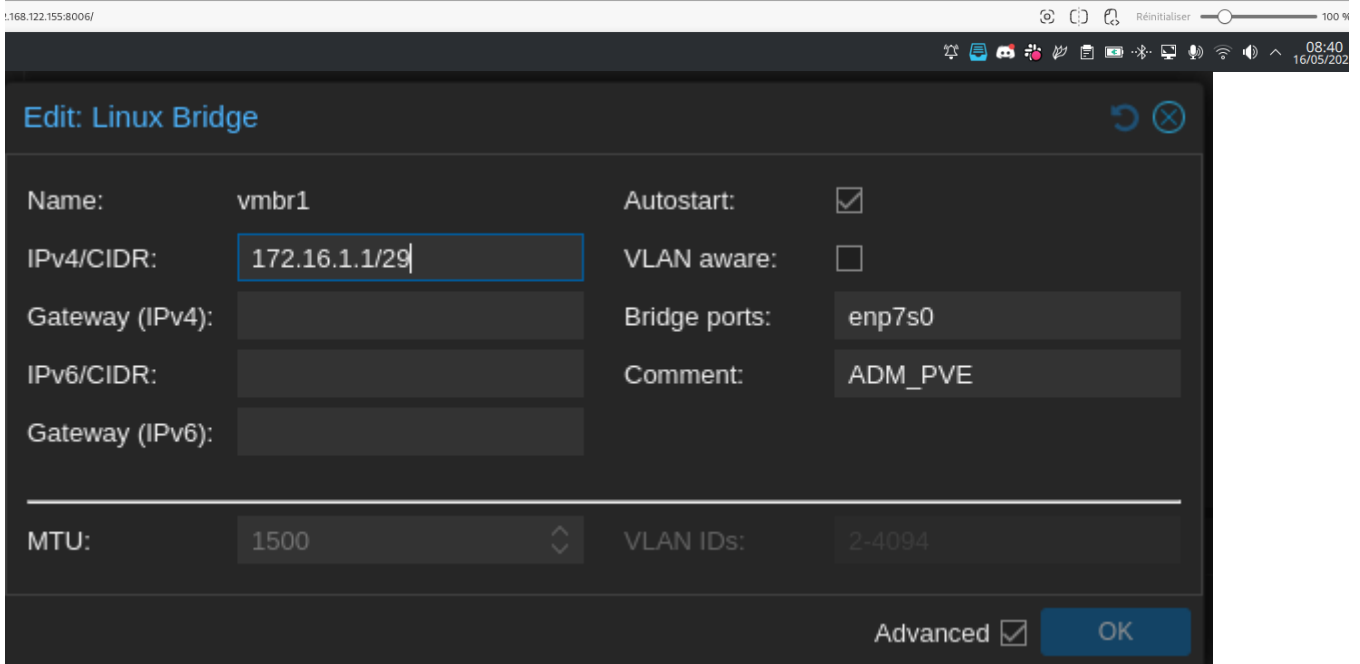
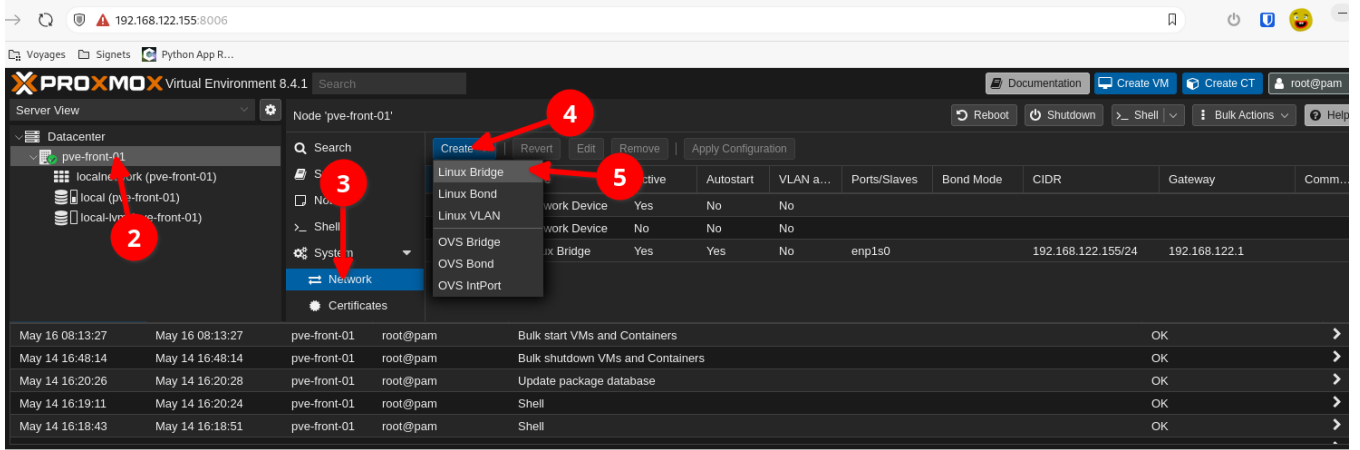
- Avoir au moins 3 hyperviseurs Proxmox
- Chaque Hyperviseur doit être accessible sur le réseau
- Une seconde interface réseau connectant les serveurs entre eux

Schéma:



Mise en place du réseau ADM:

1. Ajout du switch virtuel sur chaque Proxmox



Node 'pve-front-01'

Reboot Shutdown Shell Bulk Actions

Create Revert Edit Remove Apply Configuration

Name ↑	Type	Active	Autostart	VLAN a...	Ports/Slaves	Bond Mode	CIDR	Gateway
enp1s0	Network Device	Yes	No	No				
enp7s0	Network Device	No	No	No				
vmbr0	Linux Bridge	Yes	Yes	No	enp1s0		192.168.122.155/24	192.168.122.1
vmbr1	Linux Bridge	No	Yes	No	enp7s0		172.16.1.1/29	

Pending changes (Either reboot or use 'Apply Configuration' (needs ifupdown2) to activate)

```

--- /etc/network/interfaces      2025-05-14 16:06:54.907633240 +0200
+++ /etc/network/interfaces.new  2025-05-16 08:44:16.475569775 +0200
@@ -1,8 +1,21 @@
+# network interface settings; autogenerated
+# Please do NOT modify this file directly, unless you know what
+# you're doing.
+#
+# If you want to manage parts of the network configuration manually,
+# please utilize the 'source' or 'source-directory' directives to do
+# so.
+# PVE will preserve these directives, but will NOT read its network
+# configuration from sourced files, so do not attempt to move any of
+# the PVE managed interfaces into external files!
+
+ auto lo
+ iface lo inet loopback
+
+ iface enp1s0 inet manual

```

2. Test de la connectivité entre les Proxmox

```

root@pve-front-01:~# ping -c1 172.16.1.2
PING 172.16.1.2 (172.16.1.2) 56(84) bytes of data.
64 bytes from 172.16.1.2: icmp_seq=1 ttl=64 time=0.279 ms

--- 172.16.1.2 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 0.279/0.279/0.279/0.000 ms
root@pve-front-01:~# ping -c1 172.16.1.3
PING 172.16.1.3 (172.16.1.3) 56(84) bytes of data.
64 bytes from 172.16.1.3: icmp_seq=1 ttl=64 time=0.238 ms

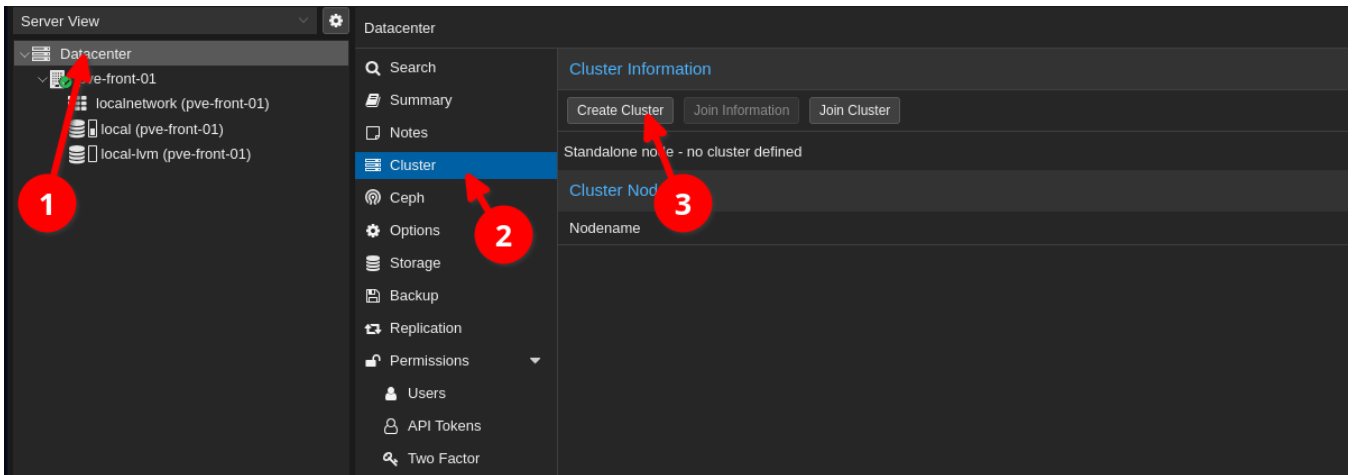
--- 172.16.1.3 ping statistics ---

```

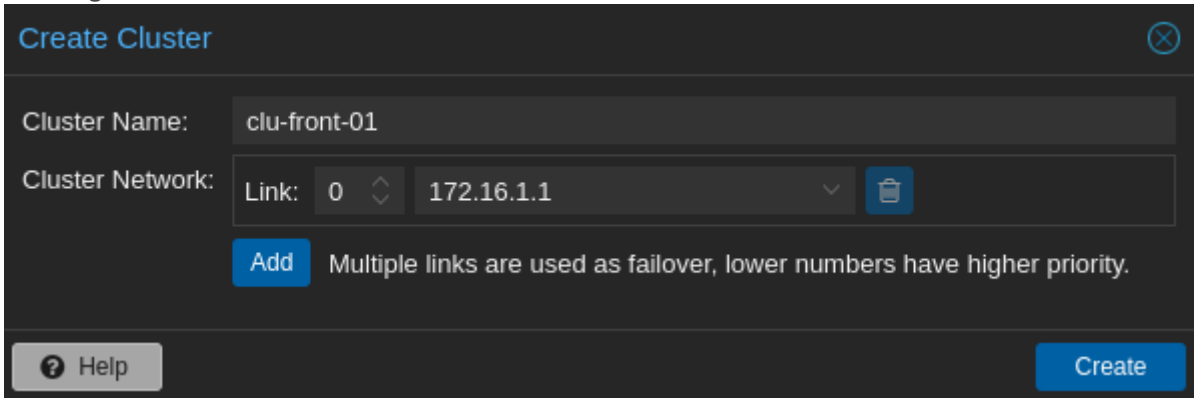
```
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 0.238/0.238/0.238/0.000 ms
root@pve-front-01:~#
```

Mise en place du cluster

1. Initialisation du cluster

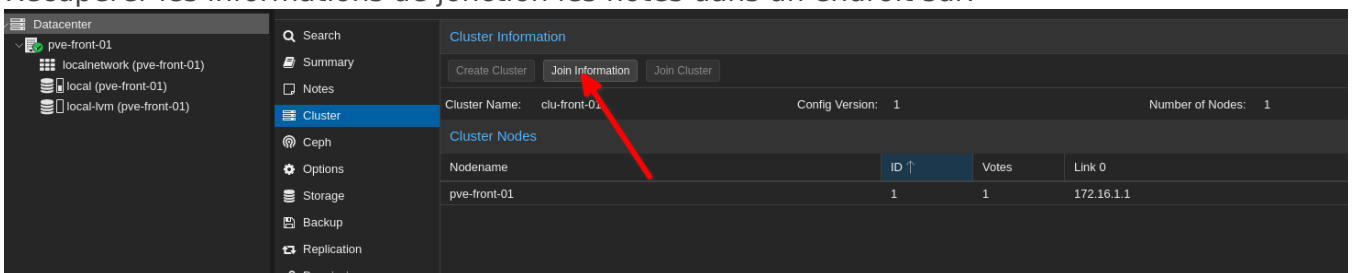


2. Nomage du cluster



Attendre que le processus soit terminé

3. Récupérer les informations de jonction les notés dans un endroit sûr.



4. Joindre les noeud au cluster

Server View

Datacenter

Cluster Information

Create Cluster Join Information Join Cluster

Standalone node Cluster defined

Cluster Nodes

Nodename

Cluster Join

Assisted join: Paste encoded cluster join information and enter password.

Information: Q50jA2OkIzOjU4OjY3liwicGVlckxpbtmZljp7lJiAiOilxNzluMTYuMS4xIn0sInJpbmdfYWRkcil6WylxNzluMTYuMS4xIn0sInRvdGVtIjp7InZlcnNpb24iOiilyliwiY2x1c3Ric9uYW11LWZyb250LTxliwic2VjYXV0aCI6Im9uliwiaXBfdmVyc2lvbiI6ImIwdjQtNiIsImIudGVyZmFjZSI6eylwIjpwIiwidW1iZXIiOiIlIn19LCJjb25maWdfdmVyc2lvbiI6ImIwdjQtNiIsImIudGVyZmFjZSI6eylwIjpwIiwidW1iZXIiOiIlIn19

Peer Address: 192.168.122.155 Password:

Fingerprint: BB:7F:4D:D3:ED:15:7C:BB:45:E2:65:B7:4D:7B:AD:5B:F0:7E:73:91:F6:35:7A:C7:59:ED:BB:49:06:B3:58:67

Cluster Network: Link: 0 172.16.1.2 peer's link address: 172.16.1.1

Help Join 'clu-front'

5. Ajouter tout les cluster

Server View

Datacenter

Health

Status

Nodes

Online 3

Offline 0

Cluster: clu-front-01, Quorate: Yes

Guests

Virtual Machines

Running 0

Stopped 0

LXC Container

Running 0

Stopped 0

Resources

CPU

1%

of 6 CPU(s)

Memory

19%

4.52 GiB of 23.28 GiB

Storage

21%

11.05 GiB of 53.32 GiB

Nodes

Name	ID	Online	Support	Server Address	CPU usage	Memory usage	Up
pve-front-01	1	✓	-	192.168.122....	1%	20%	00
pve-front-02	2	✓	-	192.168.122....	1%	19%	00
pve-front-03	3	✓	-	192.168.122....	1%	19%	00

Revision #1

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Updated 2025-06-20 15:18:13 UTC by kvega