

3 - Installation du réseau (Privé)

Prérequis:

- Avoir un cluster Proxmox
- Avoir branché un câble spécifique sur chaque nœud pour le réseau LAN.

Mise en place du réseau LAN:

1. Ajout du switch virtuel sur chaque nœuds:

The screenshot shows the Proxmox VE interface for a node named 'pve-front-02'. The 'Network' tab is active, displaying a table of network devices. A red arrow points to the 'Create' button, and another points to the 'Linux Bridge' option in the dropdown menu.

Name	Type	Active	Autostart	VLAN a...	Ports/Slaves	Bond Mode	CIDR	Gateway	Comment
enp1s0	Network Device	Yes	No	No					
enp7s0	Network Device	Yes	No	No					
vmbro	Linux Bridge	Yes	Yes	No	enp1s0		192.168.122.110/24	192.168.122.1	
vmbri	Linux Bridge	Yes	Yes	No	enp7s0		172.16.1.2/29		ADM_PVE

Network Configuration Options:

- Linux Bridge
- Linux Bond
- Linux VLAN
- OVS Bridge
- OVS Bond
- OVS IntPort

Create: Linux Bridge

Name: Autostart:

IPv4/CIDR: VLAN aware:

Gateway (IPv4): Bridge ports:

IPv6/CIDR: Comment:

Gateway (IPv6):

MTU: VLAN IDs:

Advanced

Name	Type	Active	Autostart	VLAN a...	Ports/Slaves	Bond Mode	CIDR	Gateway	Comment
enp10s0	Network Device	No	No	No					
enp1s0	Network Device	Yes	No	No					
enp7s0	Network Device	Yes	No	No					
vibr0	Linux Bridge	Yes	Yes	No	enp1s0		192.168.122.110/24	192.168.122.1	
vibr1	Linux Bridge	Yes	Yes	No	enp7s0		172.16.1.2/29		ADM_PVE
vibr2	Linux Bridge	No	Yes	No	enp10s0				LAN

1 Modifications Faites à valider !!

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

```

--- /etc/network/interfaces      2025-05-16 08:17:23.234193702 +0200
+++ /etc/network/interfaces.new  2025-07-17 14:25:21.088822199 +0200
@@ -16,6 +16,8 @@

iface enp7s0 inet manual

+iface enp10s0 inet manual
+
+auto vibr0
+iface vibr0 inet static
+   address 192.168.122.110/24
@@ -32,4 +34,11 @@
+   bridge-fd 0
+   #ADM_PVE

+auto vibr2
+iface vibr2 inet manual
+   bridge-ports enp10s0
  
```

2. Faire les modifications sur tout les nœuds
3. Faire un test en faisant un PING entre deux VMs/LXC sur deux nœuds différents:

```

root@test2:~# ping 172.16.1.2 -c 1
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=0.147 ms
```

```
--- 172.16.1.2 ping statistics ---
```

```
1 packets transmitted, 1 received, 0% packet loss, time 0ms
```

```
rtt min/avg/max/mdev = 0.147/0.147/0.147/0.000 ms
```

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