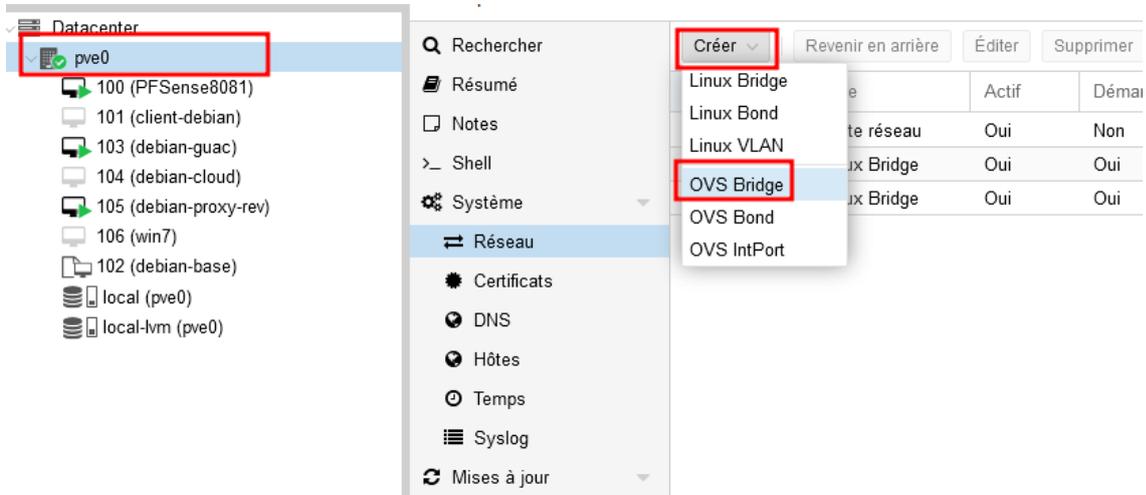Création ovswitch derriere un pfsense virtualisé et faire passer des vlan

Creation d'un bridge ovs

Vide dans un premier temps puis ok

Nom ↑	Type	Actif	Démarr...	VLAN a...	Ports/Escl...	Bond Mode
eno1	Carte réseau	Oui	Non	Non		
vmbr0	Linux Bridge	Oui	Oui	Non	eno1	
vmbr1	Linux Bridge	Oui	Oui	Non		
vmbr2	OVS Bridge	Non	Non	Non		

Creation OVSint port correspondant à chaque vlan
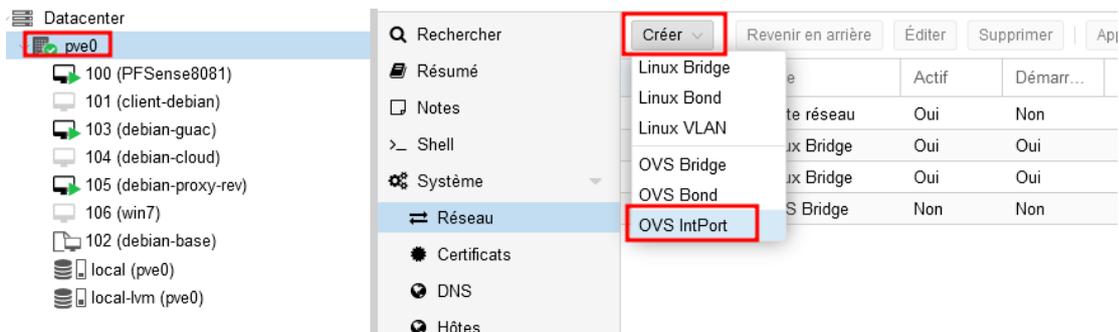
Renseigner le nom vlan et l'id vlan sur ovs bridge créé précédement, puis créer :

Meme manipulation pour un deuxieme ovs intport pour transporter un autre vlan :

Les vlan sont rajouter à l'ovs bridge car vmbrx était selectionnait a la creation de int port (vlan)
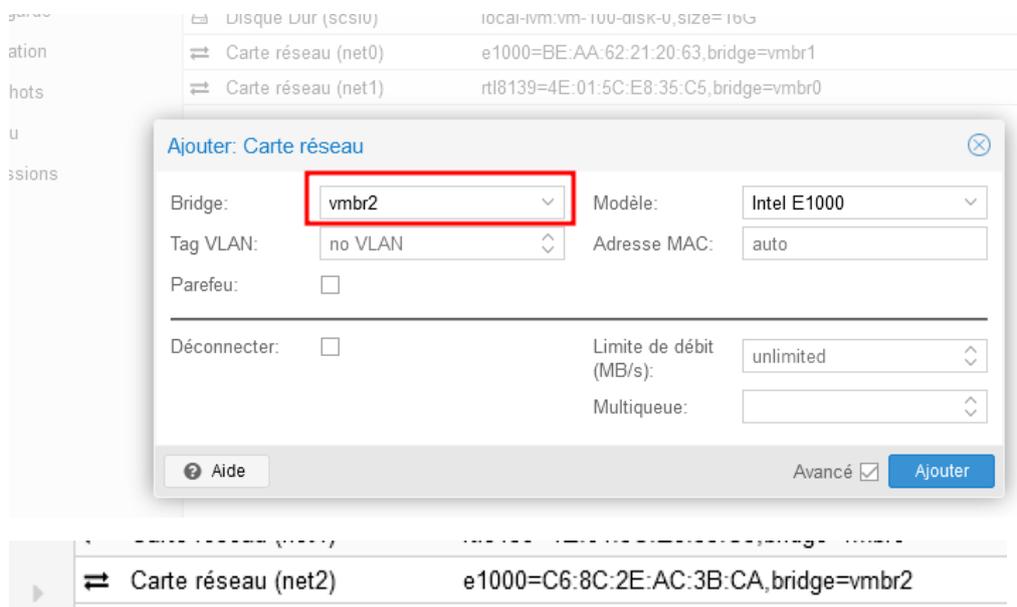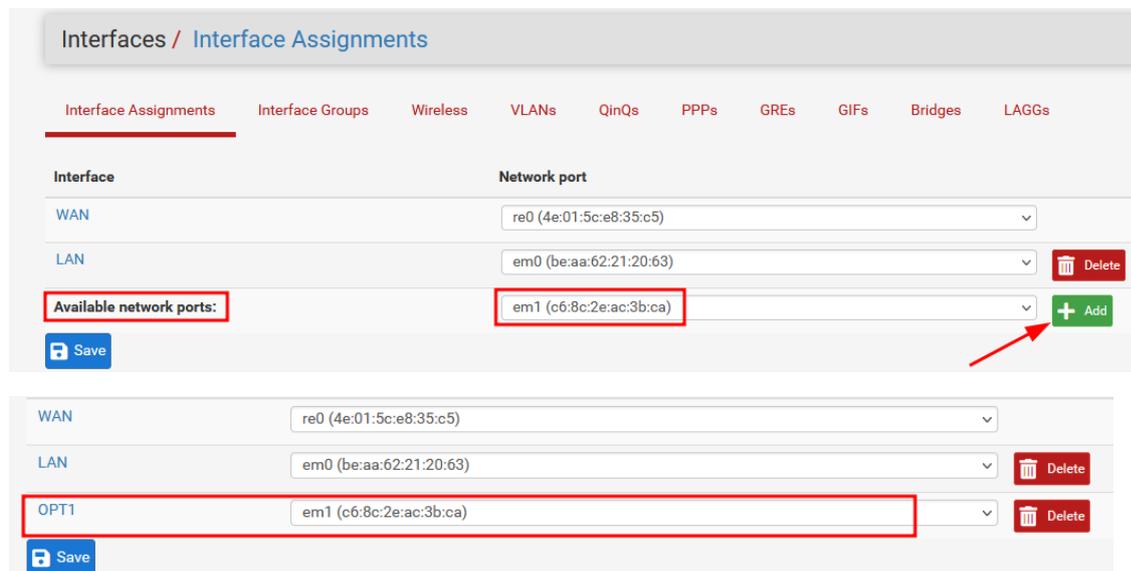
Ajouter une carte reseau au pfsense :
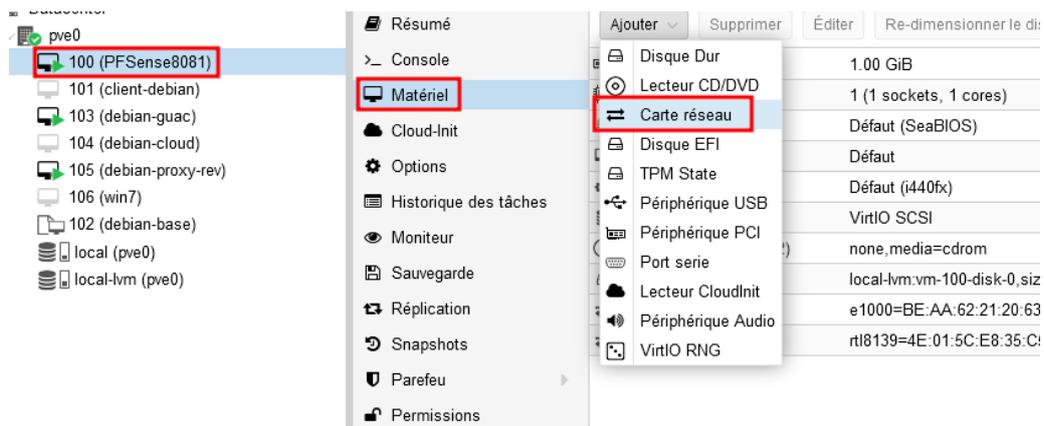
En selectionnant le bridge ovs créé plus haut

DANS le pfsense, ajouter l'interface (vérifier l'adresse mac) :

Cliquer sur opt1 pour activer l'interface :

Créer vlan sur cette interface (opt1)

Meme chose pour le deuxieme …

Ajouter les interfaces vlan et configurer une adresse ip au réseau de chaque vlan et activer éventuellement le dhcp :

Interfaces / Interface Assignments

Interface Assignments	Interface Groups	Wireless	VLANs	QinQs	PPPs	GREs	GIFs	Bridges	LAGGs

Interface   **Network port**

Interface	Network port	
WAN	re0 (4e:01:5c:e8:35:c5)	
LAN	em0 (be:aa:62:21:20:63)	🗑 Delete
OPT1	em1 (c6:8c:2e:ac:3b:ca)	🗑 Delete

Available network ports: VLAN 101 on em1 - opt1   ➕ Add

VLAN 101 on em1 - opt1
VLAN 102 on em1 - opt1

💾 Save

Interface Assignments	Interface Groups	Wireless	VLANs	QinQs	PPPs	GREs	GIFs	Bridges	LAGGs

Interface	Network port	
WAN	re0 (4e:01:5c:e8:35:c5)	
LAN	em0 (be:aa:62:21:20:63)	🗑 Delete
OPT1	em1 (c6:8c:2e:ac:3b:ca)	🗑 Delete
OPT2	→ VLAN 101 on em1 - opt1	🗑 Delete
OPT3	→ VLAN 102 on em1 - opt1	🗑 Delete

Interfaces / OPT2 (em1.101)

General Configuration

Enable	☑ Enable interface
Description	int vlan 101

Enter a description (name) for the interface here.

IPv4 Configuration Type	Static IPv4
IPv6 Configuration Type	None
MAC Address	xx:xx:xx:xx:xx:xx

The MAC address of a VLAN interface must be set on its parent interface

MTU

If this field is blank, the adapter's default MTU will be used. This is typically 1500 bytes but can vary in some circumstances.

MSS

If a value is entered in this field, then MSS clamping for TCP connections to the value entered above minus 40 for IPv4 (TCP/IPv4 he minus 60 for IPv6 (TCP/IPv6 header size) will be in effect.

Speed and Duplex   Default (no preference, typically autoselect)

Explicitly set speed and duplex mode for this interface.
WARNING: MUST be set to autoselect (automatically negotiate speed) unless the port this interface connects to has its speed and d

Static IPv4 Configuration

IPv4 Address	192.168.101.1 / 29
IPv4 Upstream gateway	None ➕ Add a new gateway

Services / DHCP Server / INTVLAN101

LAN   INTVLAN101   INTVLAN102

General Options

Enable	☑ Enable DHCP server on INTVLAN101 interface
BOOTP	☐ Ignore BOOTP queries
Deny unknown clients	Allow all clients ⌄
	When set to **Allow all clients**, any DHCP client will get an IP address within this scope/range on this ir interface, any DHCP client with a MAC address listed on **any** scope(s)/interface(s) will get an IP addre interface, only MAC addresses listed below (i.e. for this interface) will get an IP address within this sc
Ignore denied clients	☐ Denied clients will be ignored rather than rejected.
	This option is not compatible with failover and cannot be enabled when a Failover Peer IP address is
Ignore client identifiers	☐ If a client includes a unique identifier in its DHCP request, that UID will not be recorded in its lease
	This option may be useful when a client can dual boot using different client identifiers but the same h server behavior violates the official DHCP specification.
Subnet	192.168.101.0
Subnet mask	255.255.255.248
Available range	192.168.101.1 - 192.168.101.6
Range	192.168.101.2 192.168.101.5
	From To

Etablir les regles en fonction des besoins.

Dans proxmox éditer la carte reseau de la vm sur l'interface opt1 (vmbr2 ici) et le vlan voulu :