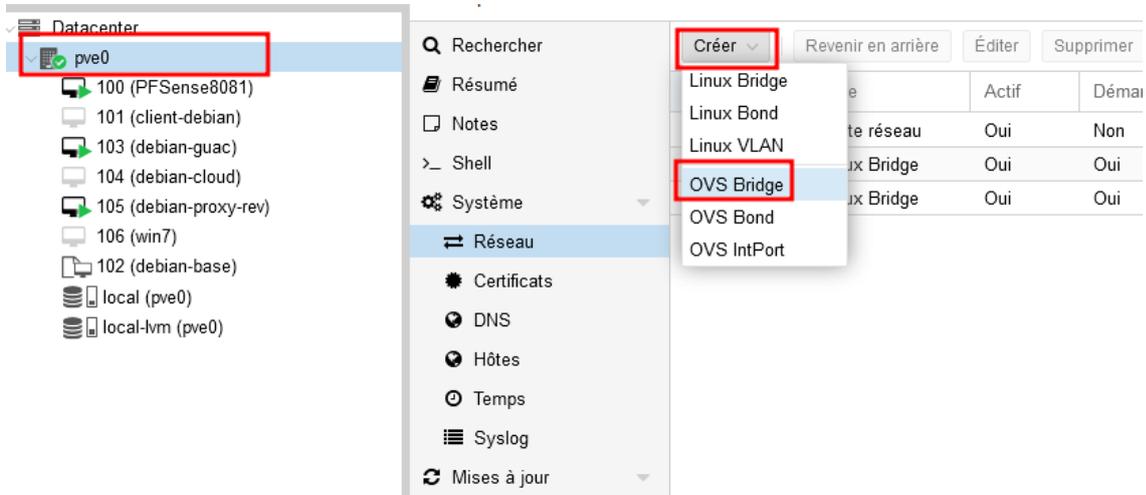


Création ovsitch derriere un pfsense virtualisé et faire passer des vlan

Creation d'un bridge ovs



Vide dans un premier temps puis ok

Éditer: OVS Bridge

Nom: vmbr2 Démarrage automatique:

IPv4/CIDR:

Passerelle (IPv4):

IPv6/CIDR:

Passerelle (IPv6):

Ports du bridge:

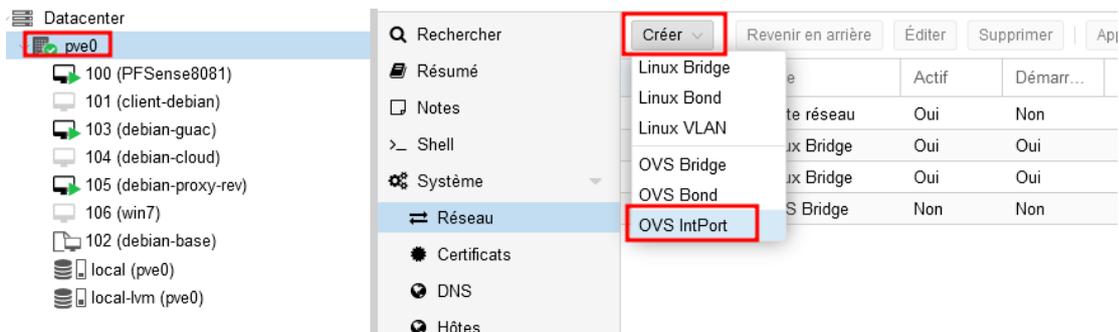
Options OVS:

Commentaire:

Avancé OK Reset

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 :

Créer: OVS IntPort

Nom: OVS Bridge:

IPv4/CIDR: Tag VLAN:

Passerelle (IPv4): Options OVS:

IPv6/CIDR: Commentaire:

Passerelle (IPv6):

Avancé

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

Créer: OVS IntPort

Nom: OVS Bridge:

IPv4/CIDR: Tag VLAN:

Passerelle (IPv4): Options OVS:

IPv6/CIDR: Commentaire:

Passerelle (IPv6):

MTU:

Avancé

Les vlan sont rajouter à l'ovs bridge car vibrx était selectionnait a la creation de int port (vlan)

Créer

Nom ↑	Type	Actif	Démarr...	VLAN a...	Ports/Esclaves	Bond Mode
eno1	Carte réseau	Oui	Non	Non		
vlan101	OVS IntPort	Oui	Oui	Non		
vlan102	OVS IntPort	Oui	Oui	Non		
vibr0	Linux Bridge	Oui	Oui	Non	eno1	
vibr1	Linux Bridge	Oui	Oui	Non		
vibr2	OVS Bridge	Oui	Oui	Non	vlan101 vlan102	

Éditer: OVS Bridge

Nom: Démarrage automatique:

IPv4/CIDR: Ports du bridge:

Passerelle (IPv4): Options OVS:

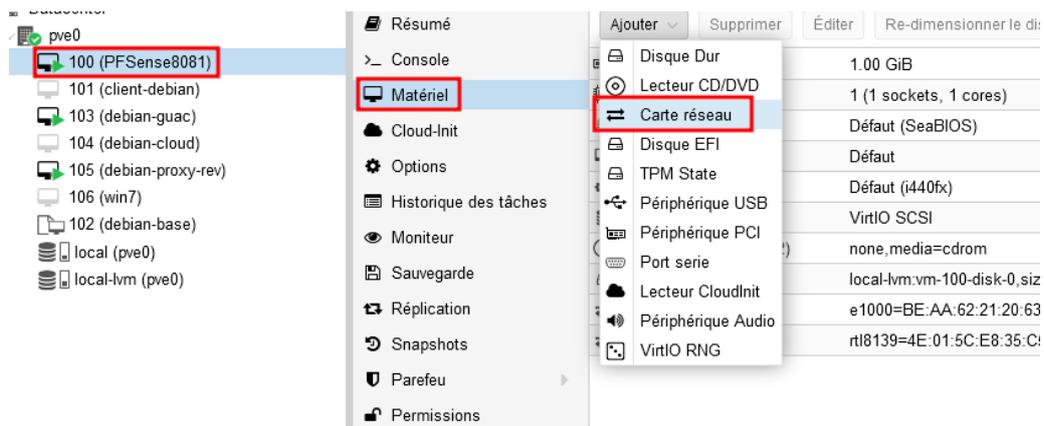
IPv6/CIDR: Commentaire:

Passerelle (IPv6):

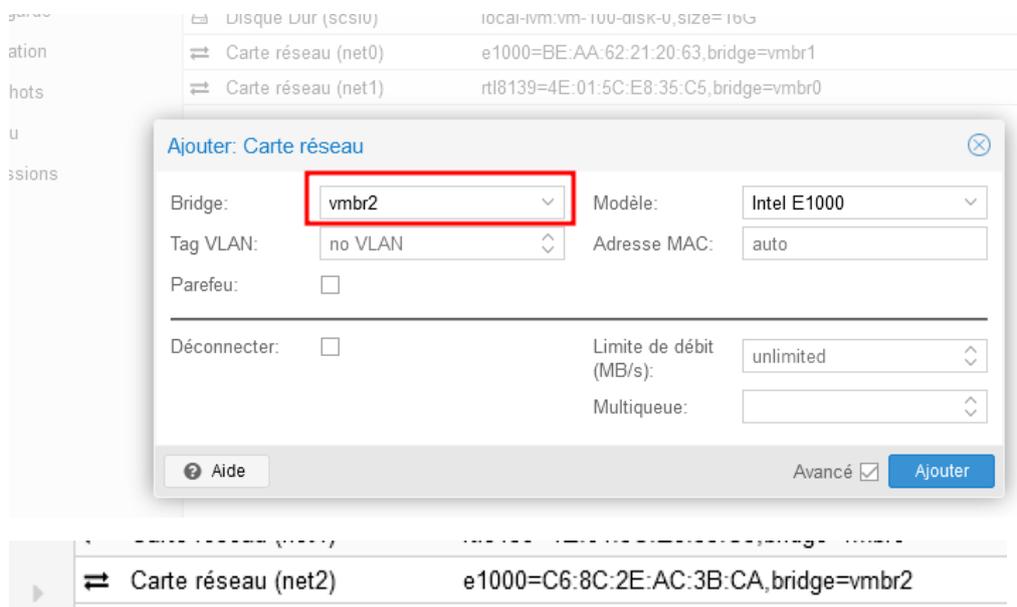
MTU:

Avancé

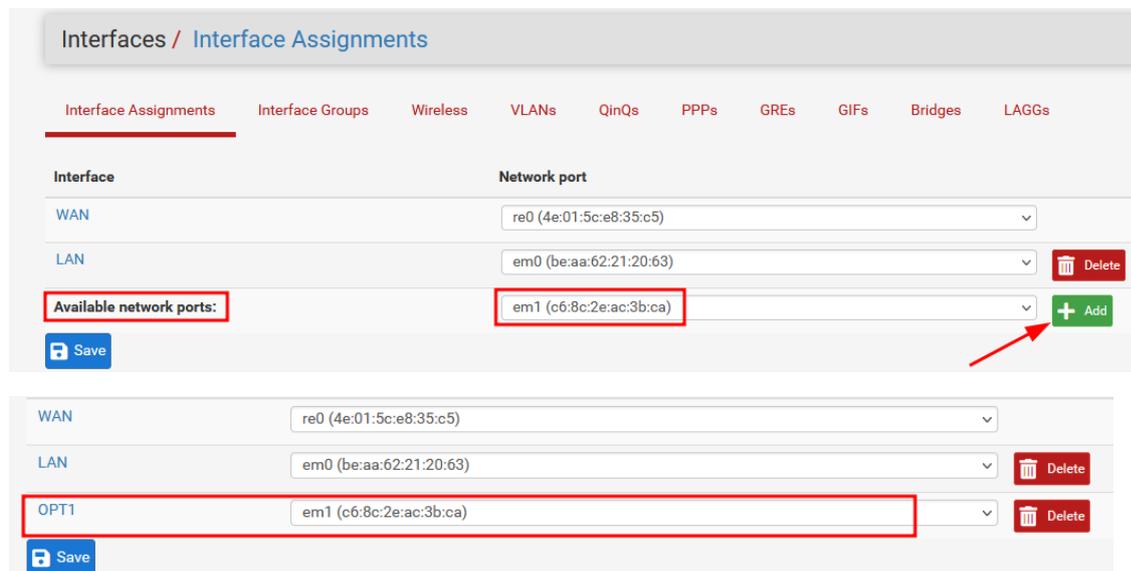
Ajouter une carte reseau au pfsense :



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 :

Interfaces / OPT1 (em1)

General Configuration

Enable Enable interface

Description OPT1
Enter a description (name) for the interface here.

IPv4 Configuration Type None

IPv6 Configuration Type None

MAC Address XXX:XXX:XXX:XXX:XX
This field can be used to modify ("spoof") the MAC address of this interface.
Enter a MAC address in the following format: xxxxxxxx-xxxx-xxxx-xxxx-xxxx.

Créer vlan sur cette interface (opt1)

Interfaces / VLANs

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

VLAN Interfaces

Interface	VLAN tag	Priority	Description	Actions
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+ Add

Interfaces / VLANs / Edit

VLAN Configuration

Parent Interface em1 (c6:8c:2e:ac:3b:ca) - opt1
Only VLAN capable interfaces will be shown.

VLAN Tag 101
802.1Q VLAN tag (between 1 and 4094).

VLAN Priority 0
802.1Q VLAN Priority (between 0 and 7).

Description Description
A group description may be entered here for administrative reference (not parsed).

Save

Meme chose pour le deuxieme ...

VLAN Interfaces

Interface	VLAN tag	Priority	Description	Actions
em1 (opt1)	101			
em1 (opt1)	102			

+ Add

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
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 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 duplex mode set.

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 interface, any DHCP client with a MAC address listed on **any** scope(s)/interface(s) will get an IP address on **any** interface, only MAC addresses listed below (i.e. for this interface) will get an IP address within this scope.

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 IP 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
From To

Etablir les regles en fonction des besoins.

Dans proxmox éditer la carte reseau de la vm sur l'interface opt1 (vubr2 ici) et le vlan voulu :

The screenshot shows the Proxmox VE interface for editing VM '105 (win7)'. The 'Matériaux' (Hardware) tab is active, and the 'Carte réseau (net0)' is selected. A dialog box titled 'Éditer: Carte réseau' is open, showing the following configuration:

- Bridge:** vubr2
- Modèle:** Intel E1000
- Tag VLAN:** 101
- Adresse MAC:** D2:E7:42:1F:18:CB
- Parefeu:**
- Déconnecter:**
- Limite de débit (MB/s):** unlimited
- Multiqueue:**