

Configuration de plusieurs IP PUBLIC sur pfSense en NAT 1:1

1- Le pfSense doit déjà être configuré avec une des IP PUBLIC afin d'accéder a internet

```
WAN (wan)      -> em0      -> v4: 212.41.201.146/29
LAN (lan)      -> em1      -> v4: 172.16.254.254/16
```

```
Enter an option: 7
```

```
Enter a host name or IP address: 1.1.1.1
```

```
PING 1.1.1.1 (1.1.1.1): 56 data bytes
64 bytes from 1.1.1.1: icmp_seq=0 ttl=57 time=7.518 ms
64 bytes from 1.1.1.1: icmp_seq=1 ttl=57 time=7.344 ms
64 bytes from 1.1.1.1: icmp_seq=2 ttl=57 time=6.678 ms
```

```
--- 1.1.1.1 ping statistics ---
```

```
3 packets transmitted, 3 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 6.678/7.180/7.518/0.362 ms
```

General Configuration

Enable Enable interface

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

IPv4 Configuration Type

IPv6 Configuration Type

MAC Address
This field can be used to modify ("spoof") the MAC address of this interface.
Enter a MAC address in the following format: xx:xx:xx:xx:xx:xx or leave blank.

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) and minus 60 for IPv6 (TCP/IPv6 header size) will be in effect.

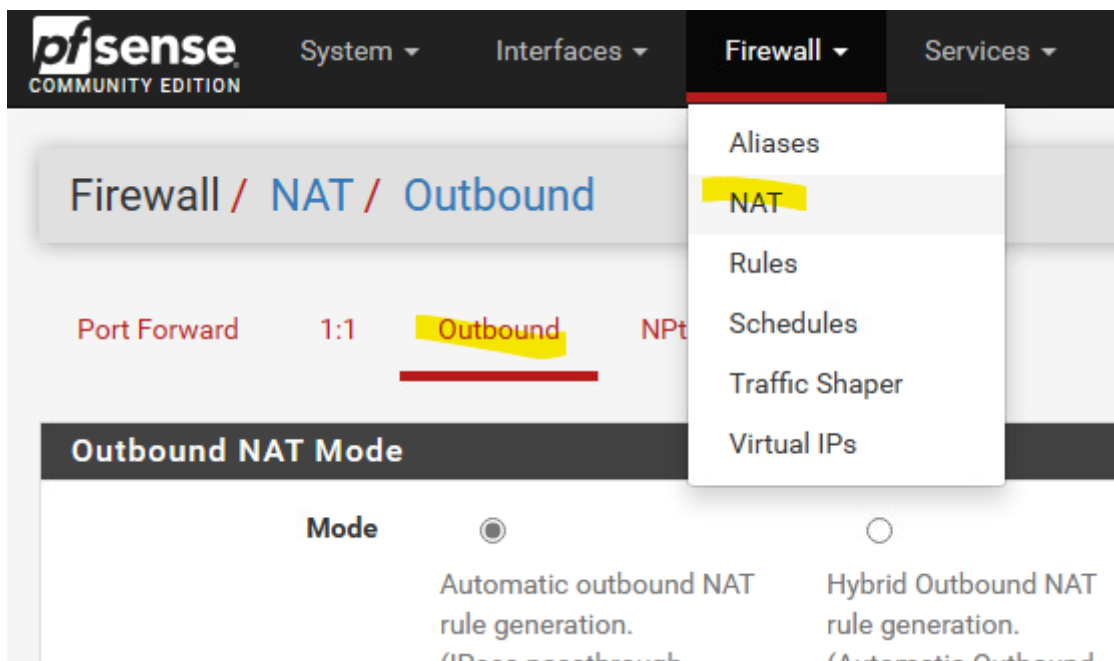
Speed and Duplex
Explicitly set speed and duplex mode for this interface.
WARNING: MUST be set to autoselect (automatically negotiate speed) unless the port this interface connects to has its speed and duplex forced.

Static IPv4 Configuration

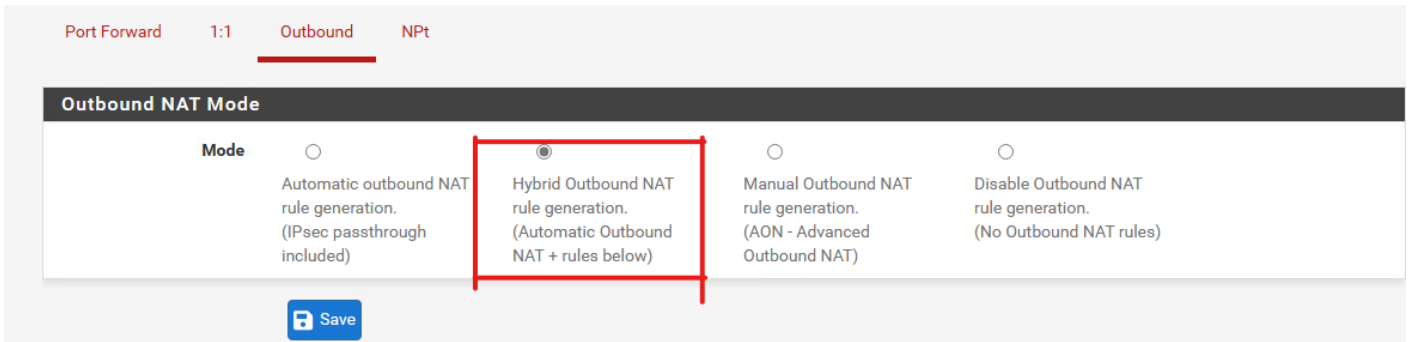
IPv4 Address /

IPv4 Upstream gateway [+ Add a new gateway](#)
If this interface is an Internet connection, select an existing Gateway from the list or add a new one using the "Add" button.

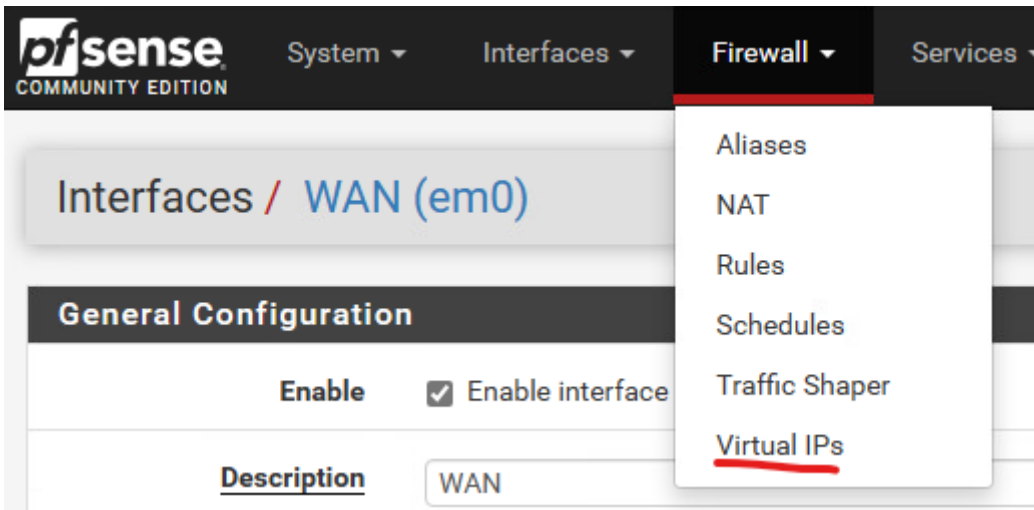
2- Passer le NAT en "Hybrid Outbound NAT" (Firewall -> NAT -> Outbound)



Passer de "Automatique outbound NAT" vers "Hybrid Outbound NAT"



3- Créer les "Virtual IPs" sur le pfSense (Firewall -> Virtual IPs)



Configurer de la même façon, il faut modifier l'adresse IP avec l'adresse IP PUBLIC désiré

Edit Virtual IP

Type: IP Alias CARP Proxy ARP Other

Interface: WAN

Address type: Network

Address(es): 212.41.201.147 / 32
Enter a CIDR block of proxy ARP addresses.

Expansion: Disable expansion of this entry into IPs on NAT lists (e.g. 192.168.1.0/24 expands to 256 entries.)

Virtual IP Password: [Virtual IP Password] [Virtual IP Password]
Enter the VHID group password. Confirm

VHID Group: 1
Enter the VHID group that the machines will share.

Advertising frequency: 1 (Base) 0 (Skew)
The frequency that this machine will advertise. 0 means usually master. Otherwise the lowest combination of both values in the cluster determines the master.

Description: IP PUBLIC - 212.41.201.147
A description may be entered here for administrative reference (not parsed).

4- Configurer le NAT 1:1 (Firewall -> NAT -> 1:1)

Firewall / NAT / 1:1 / Edit ?

Edit NAT 1:1 Entry

Disabled	<input type="checkbox"/> Disable this rule When disabled, the rule will not have any effect.
No BINAT (NOT)	<input type="checkbox"/> Do not perform binat for the specified address Excludes the address from a later, more general, rule.
Interface	<input type="text" value="WAN"/> Choose which interface this rule applies to. In most cases "WAN" is specified.
Address Family	<input type="text" value="IPv4"/> Select the Internet Protocol version this rule applies to.
External subnet IP	<input type="text" value="Address"/> <input type="text" value="212.41.201.147"/> Type Address Enter the external (usually on a WAN) subnet's starting address or interface for the 1:1 mapping.
Internal IP	<input type="checkbox"/> Not <input type="text" value="Address"/> <input type="text" value="172.16.47.250"/> <input type="text" value="/"/> <input type="text" value=""/> Invert the sense of the match. Type Address/mask Enter the internal (LAN) subnet for the 1:1 mapping. The subnet size specified for the internal subnet will be applied to the external subnet.
Destination	<input type="checkbox"/> Not <input type="text" value="Any"/> <input type="text" value=""/> <input type="text" value="/"/> <input type="text" value=""/> Invert the sense of the match. Type Address/mask The 1:1 mapping will only be used for connections to or from the specified destination. Hint: this is usually "Any".
Description	<input type="text" value="NAT 1:1 - 212.41.201.147"/> A description may be entered here for administrative reference (not parsed).
NAT reflection	<input type="text" value="Use system default"/>

Revision #1

Created 8 April 2024 13:46:48 by Admin

Updated 8 April 2024 14:31:48 by Admin