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PFSENSE MULTIWAN HOWTO

ASSIGN INTERFACES
Interfaces -> assign

SETUP INTERFACES
Wan Configured with dhcp

Opt1 (Our Wan2 interface) Configured as static.

NAT
Now we need to configure NAT and enable advanced outbound NAT
Nat -> Outbound -> Mark "Enable advanced outbound NAT"
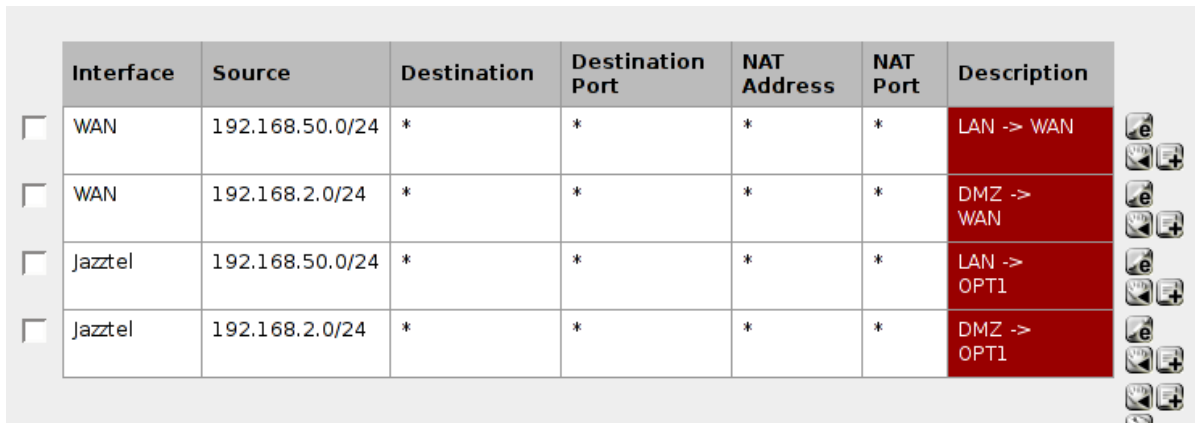Make sure you delete the default entrys, we will make new entrys.

Port Forward	1:1	Outbound

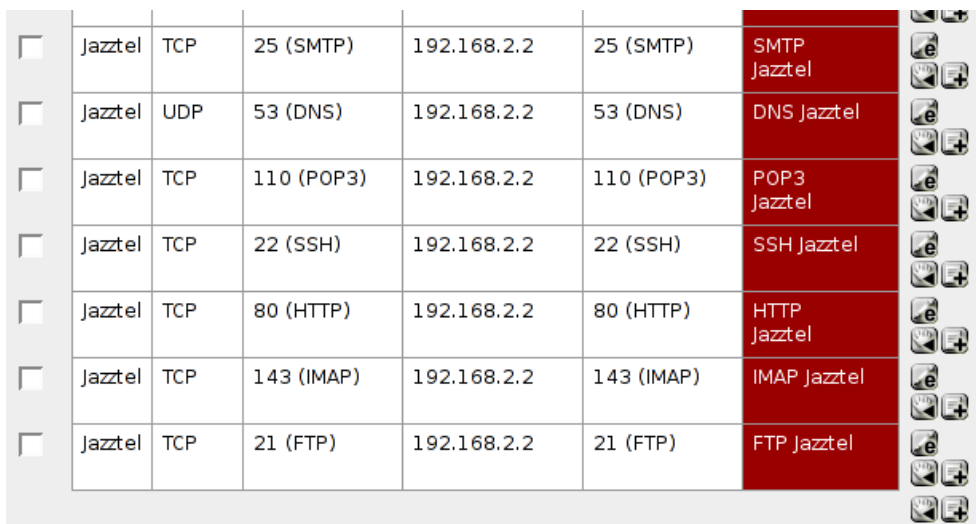☐ Enable IPSec passthru

☑ Enable advanced outbound NAT

Save

As we probably want to route traffic from lan to wan1 and to wan2, and from dmz to wan1 or wan2 we will need to do an entry for each case.

	Interface	Source	Destination	Destination Port	NAT Address	NAT Port	Description
☐	WAN	192.168.50.0/24	*	*	*	*	LAN -> WAN
☐	WAN	192.168.2.0/24	*	*	*	*	DMZ -> WAN
☐	Jazztel	192.168.50.0/24	*	*	*	*	LAN -> OPT1
☐	Jazztel	192.168.2.0/24	*	*	*	*	DMZ -> OPT1

Now it's time to config port forward if we have a server on dmz. Make as many rules as you need for your servers/services. Make sure to enable the auto add firewall rule option for each nat rule you enter.

☐	Jazztel	TCP	25 (SMTP)	192.168.2.2	25 (SMTP)	SMTP Jazztel
☐	Jazztel	UDP	53 (DNS)	192.168.2.2	53 (DNS)	DNS Jazztel
☐	Jazztel	TCP	110 (POP3)	192.168.2.2	110 (POP3)	POP3 Jazztel
☐	Jazztel	TCP	22 (SSH)	192.168.2.2	22 (SSH)	SSH Jazztel
☐	Jazztel	TCP	80 (HTTP)	192.168.2.2	80 (HTTP)	HTTP Jazztel
☐	Jazztel	TCP	143 (IMAP)	192.168.2.2	143 (IMAP)	IMAP Jazztel
☐	Jazztel	TCP	21 (FTP)	192.168.2.2	21 (FTP)	FTP Jazztel

FIREWALL RULES

And now the magic part. First you need to know how you want your traffic routed. I'll put some examples.

A) Lan traffic goes across wan1 interface and DMZ traffic across wan2
    Go to Firewall -> rules -> LAN rules
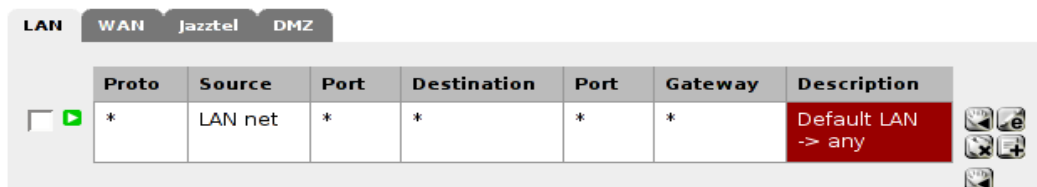   We add a new rule:
        Action: pass
        Interface: lan
        protocol: any
        source: lan subnet
        destination: any
        gateway: default

	Proto	Source	Port	Destination	Port	Gateway	Description
▶	*	LAN net	*	*	*	*	Default LAN -> any

Rule for the dmz. Go to firewall – Rules – Dmz Rules
Add new rule:
        Action: pass
        Interface: dmz
        protocol: any
        source: dmz subnet
        destination:any
        gateway: Select the wan2_gw

▶	*	DMZ net	*	*	*	Wan2_gw	Salida por Jazztel

B) Lan default traffic across wan1 but port 22 across wan2. Dmz as case A

    Firewall -> rules -> Lan rules.
    First we will add the port 22 rule.
        Action:pass
        Interface: Lan
        Protocol: tcp
        Source: Lan subnet
        Destination: any
        Destination port: 22
        gateway: Select the wan2_gw

Gateway	Wan2_gw ▼
	Leave as 'defau gateway to util

Then we add the general rule for the other traffic.

     Action: pass
     Interface: lan
     protocol: any
     source: lan subnet
     destination: any
     gateway: default

Note: Just remember one thing, the more specific rules need to be on top and the general rule needs to stay at the end. That's because rules are applied on first match.