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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"
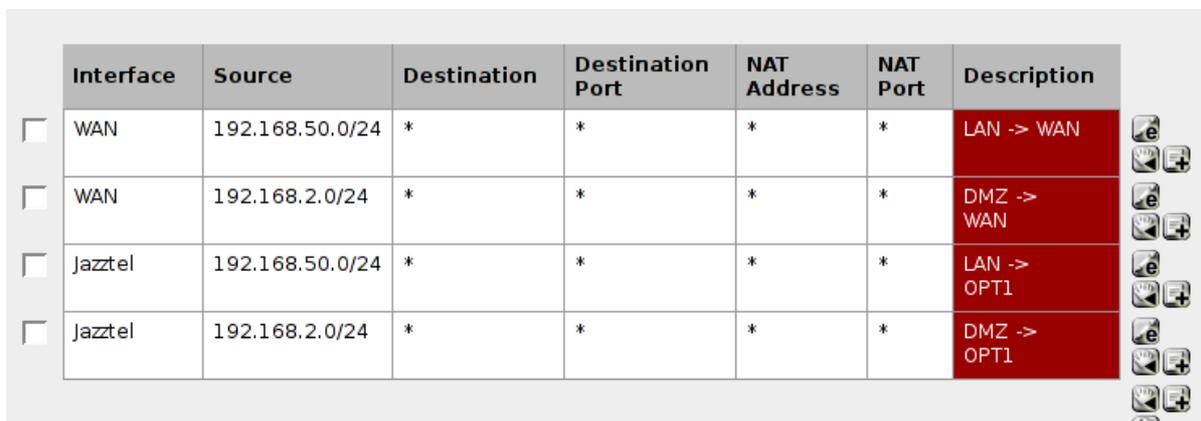Make sure you delete the default entrys, we will make new entrys.

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.
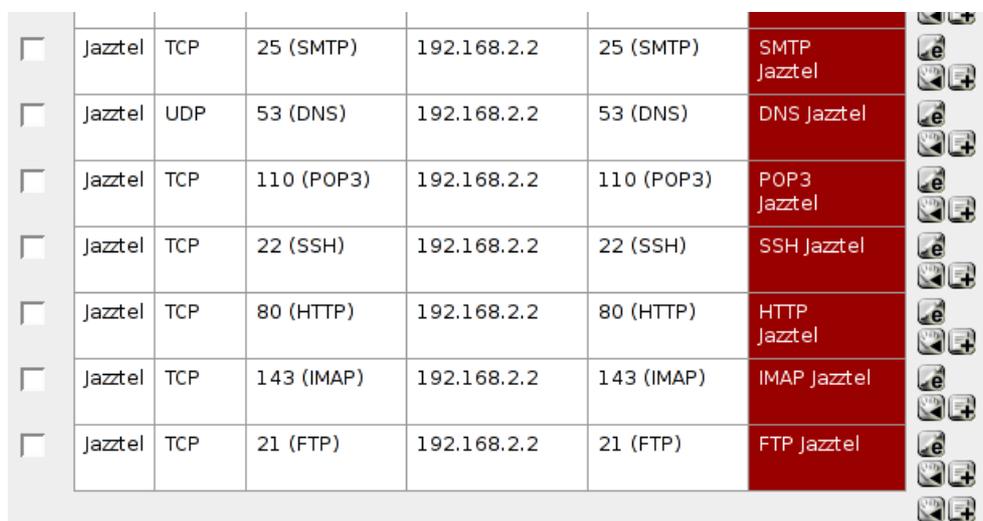
☐	Jazztel	TCP	25 (SMTP)	192.168.2.2	25 (SMTP)	SMTP Jazztel	
☐	Jazztel	UDP	53 (DNS)	192.168.2.2	53 (DNS)	DNS Jazztel	
☐	Jazztel	TCP	110 (POP3)	192.168.2.2	110 (POP3)	POP3 Jazztel	
☐	Jazztel	TCP	22 (SSH)	192.168.2.2	22 (SSH)	SSH Jazztel	
☐	Jazztel	TCP	80 (HTTP)	192.168.2.2	80 (HTTP)	HTTP Jazztel	
☐	Jazztel	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

      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

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 'defa 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.