

PFSENSE MULTIWAN HOWTO

ASSIGN INTERFACES

Interfaces -> assign

Interface	Network port
LAN	sis0 (00:00:24:c3:df:1c)
WAN	sis1 (00:00:24:c3:df:1d)
Jazztel	sis2 (00:00:24:c3:7d:0c)
DMZ	sis3 (00:00:24:c3:7d:0d)

SETUP INTERFACES

Wan Configured with dhcp

Interfaces: WAN

General configuration

Type: DHCP

MAC address: [Copy my MAC address](#)

This field can be used to modify ("spoof") the MAC address of the WAN interface (may be required with some cable connections)
Enter a MAC address in the following format: xx:xx:xx:xx:xx:xx or leave blank

Opt1 (Our Wan2 interface) Configured as static.

Interfaces: Optional 1 (Jazztel)

Optional Interface Configuration

Enable Optional 1 interface

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

IP configuration

Bridge with: none

IP address: Wan2_ip / 30

Gateway: Wan2_gw
If you have multiple WAN connections, enter the next hop gateway (router) IP address here. Otherwise, leave this option blank.

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 entries, we will make new entries.



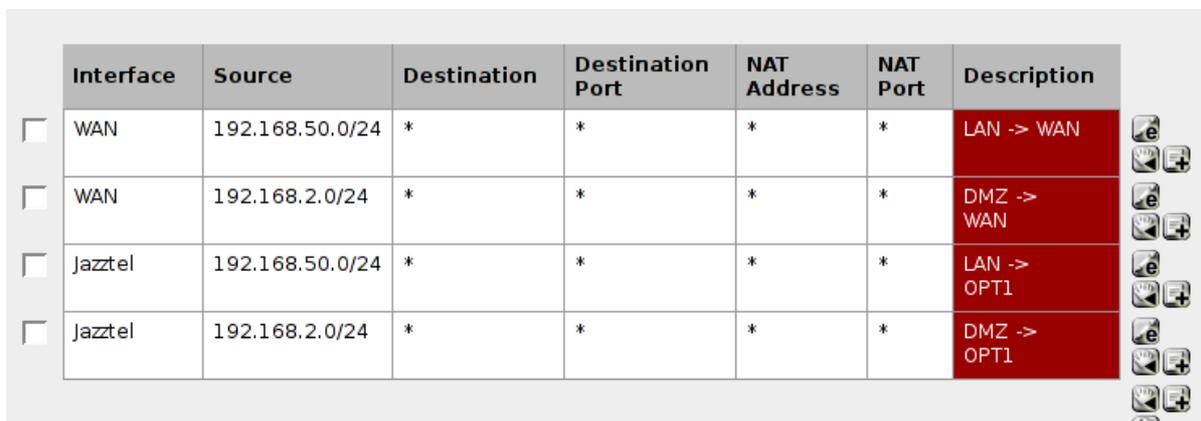
Port Forward 1:1 Outbound

Enable IPSec passthru

Enable advanced outbound NAT

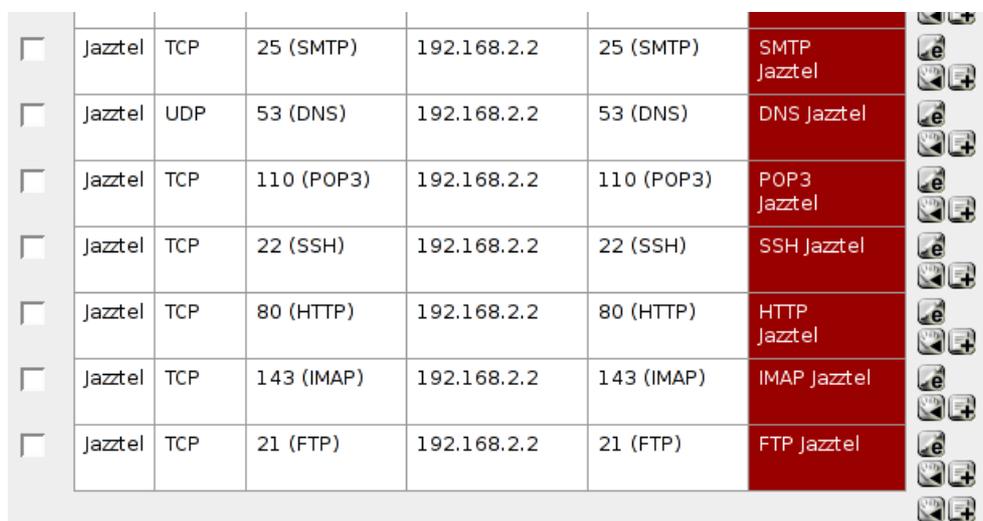
Save

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
<input type="checkbox"/> WAN	192.168.50.0/24	*	*	*	*	LAN -> WAN
<input type="checkbox"/> WAN	192.168.2.0/24	*	*	*	*	DMZ -> WAN
<input type="checkbox"/> Jazztel	192.168.50.0/24	*	*	*	*	LAN -> OPT1
<input type="checkbox"/> 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.



<input type="checkbox"/>	Jazztel	TCP	25 (SMTP)	192.168.2.2	25 (SMTP)	SMTP Jazztel
<input type="checkbox"/>	Jazztel	UDP	53 (DNS)	192.168.2.2	53 (DNS)	DNS Jazztel
<input type="checkbox"/>	Jazztel	TCP	110 (POP3)	192.168.2.2	110 (POP3)	POP3 Jazztel
<input type="checkbox"/>	Jazztel	TCP	22 (SSH)	192.168.2.2	22 (SSH)	SSH Jazztel
<input type="checkbox"/>	Jazztel	TCP	80 (HTTP)	192.168.2.2	80 (HTTP)	HTTP Jazztel
<input type="checkbox"/>	Jazztel	TCP	143 (IMAP)	192.168.2.2	143 (IMAP)	IMAP Jazztel
<input type="checkbox"/>	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



Proto	Source	Port	Destination	Port	Gateway	Description
*	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 'default gateway to utilize'

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.