General Configuration

Enable   ☑ Enable interface

Description   LAN

Enter a description (name) for the interface here.

IPv4 Configuration Type   Static IPv4 ▾

IPv6 Configuration Type   Track Interface ▾

MAC Address   xx:xx:xx:xx:xx:xx

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   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 forced.

Static IPv4 Configuration

IPv4 Address   192.168.1.1   / 24 ▾

IPv4 Upstream gateway   None ▾   ➕ 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.
On local area network interfaces the upstream gateway should be "none".
Selecting an upstream gateway causes the firewall to treat this interface as a WAN type interface.
Gateways can be managed by clicking here.

General Configuration

Enable ☑ Enable interface

Description | LAN2 |

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 |

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 | 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 forced.

Static IPv4 Configuration

IPv4 Address | 192.168.50.1 | / | 24 ▾ |

IPv4 Upstream gateway | None ▾ | ➕ 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.
On local area network interfaces the upstream gateway should be 'none'.
Selecting an upstream gateway causes the firewall to treat this interface as a WAN type interface.
Gateways can be managed by clicking here.

Edit Firewall Rule

Action

Block ⌄

Choose what to do with packets that match the criteria specified below.
Hint: the difference between block and reject is that with reject, a packet (TCP RST or ICMP port unreachable for UDP) is returned to the sender, whereas with block the packet is dropped silently. In either case, the original packet is discarded.

Disabled

☐ Disable this rule

Set this option to disable this rule without removing it from the list.

Interface

LAN ⌄

Choose the interface from which packets must come to match this rule.

Address Family

IPv4 ⌄

Select the Internet Protocol version this rule applies to.

Protocol

Any ⌄

Choose which IP protocol this rule should match.

Source

Source   ☐ Invert match

Network ⌄   192.168.1.100   / 24 ⌄

Destination

Destination   ☐ Invert match

Network ⌄   192.168.50.101   / 24 ⌄

```
GNU nano 2.0.7          File: /etc/network/interfaces          Modified


# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

# The loopback network interface
auto lo
iface lo inet loopback


# The primary network interface
auto eth0
iface eth0 inet static
address 192.168.50.101
netmask 255.255.255.0
network 192.168.50.0
broadcast 192.168.50.255
gateway 192.168.50.1


                              [ Read 17 lines ]
^G Get Help   ^O WriteOut   ^R Read File  ^Y Prev
^X Exit       ^J Justify    ^W Where Is   ^V Next
```

```
Starting syslog...done.
Starting CRON... done.
pfSense 2.7.2-RELEASE amd64 20231206-2010
Bootup complete

FreeBSD/amd64 (pfSense.pfsense.domain) (ttyv0)

VirtualBox Virtual Machine - Netgate Device ID: 3d90e9269c14e850f12e

*** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***

 WAN (wan)        -> em0        -> v4: 192.168.1.2/24
 LAN (lan)        -> em1        -> v4: 192.168.1.1/24

 0) Logout (SSH only)                 9) pfTop
 1) Assign Interfaces                10) Filter Logs
 2) Set interface(s) IP address      11) Restart webConfigurator
 3) Reset webConfigurator password   12) PHP shell + pfSense tools
 4) Reset to factory defaults        13) Update from console
 5) Reboot system                    14) Enable Secure Shell (sshd)
 6) Halt system                      15) Restore recent configuration
 7) Ping host                        16) Restart PHP-FPM
 8) Shell

Enter an option:
```

```
┌──(kali㉿kali)-[~]
└─$ ping 192.168.50.101
PING 192.168.50.101 (192.168.50.101) 56(84) bytes of data.
^C
--- 192.168.50.101 ping statistics ---
5 packets transmitted, 0 received, 100% packet loss, time 4139ms


┌──(kali㉿kali)-[~]
└─$ 
```