

S5-L1



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 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](#).

Reserved Networks

Block private networks

☐

Interfaces / LAN (em1)



Enable ☒ Enable interface

LAN

Enter a description (name) for the interface here.

Static IPv4

None

XXXXXXXXXXXXXXXXXXXX

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.

If this field is blank, the adapter's default MTU will be used. This is typically 1500 bytes but can vary in some circumstances.

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.

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.

IPv4 Address

192.168.56.10

/ 24 v

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**.

Firewall / Rules / Edit



Action

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

Address or Alias

192.168.56.12

--	--

Destination

Destination

☐ Invert match

Address or Alias

192.168.50.11

--	--

Extra Options

Log

☐ Log packets that are handled by this rule

Hint: the firewall has limited local log space. Don't turn on logging for everything. If doing a lot of logging, consider using a remote syslog server (see the [Status: System Logs: Settings](#) page).

meta [In esecuzione] - Oracle VM VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

GNU nano 2.0.7 File: /etc/network/interfaces

```
# 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 192.168.50.11
netmask 255.255.255.0
network 192.168.50.0
broadcast 192.168.50.255
gateway 192.168.50.1
```

[Read 16 lines]

Get Help WriteOut Read File Prev Page Cut Text Cur Pos
Exit Justify Where Is Next Page UnCut Text To Spell

CTRL (DESTRA)

Protocol Any

Choose which IP protocol this rule should match.

pfSense. [In esecuzione] - Oracle VM VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

```
The IPv4 OPT1 address has been set to 192.168.50.11/24
You can now access the webConfigurator by opening the following URL in your web
browser:

https://192.168.50.11/

Press <ENTER> to continue.
VirtualBox Virtual Machine - Netgate Device ID: 1c368939162e362502de

*** Welcome to pfSense 2.7.1-RELEASE (amd64) on pfSense ***

WAN (wan)      -> em0      -> v4/DHCP4: 10.0.2.15/24
LAN (lan)      -> em1      -> v4: 192.168.56.10/24
LAN2 (opt1)    -> em2      -> v4: 192.168.50.11/24

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: 
```

CTRL (DESTRA)

```
(kali1®kali)-[~]
```

```
$ ping 192.168.50.1
```

```
PING 192.168.50.1 (192.168.50.1) 56(84) bytes of data.
```

```
64 bytes from 192.168.50.1: icmp_seq=1 ttl=64 time=0.483 ms
```

```
64 bytes from 192.168.50.1: icmp_seq=2 ttl=64 time=0.959 ms
```

```
64 bytes from 192.168.50.1: icmp_seq=3 ttl=64 time=1.43 ms
```

```
64 bytes from 192.168.50.1: icmp_seq=4 ttl=64 time=1.05 ms
```

```
64 bytes from 192.168.50.1: icmp_seq=5 ttl=64 time=1.01 ms
```

```
64 bytes from 192.168.50.1: icmp_seq=6 ttl=64 time=0.797 ms
```

```
64 bytes from 192.168.50.1: icmp_seq=7 ttl=64 time=0.879 ms
```

```
^C
```

```
— 192.168.50.1 ping statistics —
```

```
7 packets transmitted, 7 received, 0% packet loss, time 6046ms
```

```
rtt min/avg/max/mdev = 0.483/0.943/1.429/0.264 ms
```

```
(kali1®kali)-[~]
```

```
$ █
```

- | | |
|-----------------------------------|----------------------------------|
| 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: 7

Enter a host name or IP address: www.google.com

PING www.google.com (216.58.209.36): 56 data bytes

4 bytes from 216.58.209.36: icmp_seq=0 ttl=118 time=23.316 ms

4 bytes from 216.58.209.36: icmp_seq=1 ttl=118 time=13.889 ms

4 bytes from 216.58.209.36: icmp_seq=2 ttl=118 time=30.196 ms

-- www.google.com ping statistics --

3 packets transmitted, 3 packets received, 0.0% packet loss

round-trip min/avg/max/stddev = 13.889/22.467/30.196/6.684 ms

Press ENTER to continue.