

LAB1: first 4 pictures, LAB2: Remaining

The image displays two screenshots of the pfSense web interface, specifically the WAN configuration page. The top screenshot shows the 'General Configuration' section with fields for Description (WAN), IPv4 Configuration Type (Static IPv4), IPv6 Configuration Type (DHCP6), MAC Address, MTU, MSS, and Speed and Duplex. A yellow notification bar at the top indicates that the WAN configuration has been changed and must be applied. The bottom screenshot shows the same page but with a red warning bar at the top stating that the password for the account is insecure and should be changed. The 'General Configuration' section is visible below the warning bar.

pfSense.home.arpa - Interfaces

192.168.56.101/interfaces.php?if=wlan

The WAN configuration has been changed.
The changes must be applied to take effect.
Don't forget to adjust the DHCP Server range if needed after applying.

Apply Changes

General Configuration

Enable ☒ Enable interface

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

IPv4 Configuration Type Static IPv4

IPv6 Configuration Type DHCP6

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/IP header size) and minus 60 for IPv6 (TCP/IP 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

Windows taskbar and browser tabs are visible in the background of both screenshots.

WARNING:
The password for this account is insecure. Password is currently set to the default value (pfsense).
Change the password as soon as possible.

Interfaces / WAN (em1)

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Apply Changes

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Static IPv4 Configuration

IPv4 Address 192.168.10.1 / 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](#).

DHCPv6 Client Configuration

Options ☐ Advanced Configuration Use advanced DHCPv6 configuration options. ☐ Configuration Override Override the configuration from this file.

Use IPv4 connectivity as parent interface ☐ Request a IPv6 prefix/information through the IPv4 connectivity link

Request only an IPv6 prefix ☐ Only request an IPv6 prefix, do not request an IPv6 address

DHCPv6 Prefix Delegation size 64
The value in this field is the delegated prefix length provided by the DHCPv6 server. Normally specified by the ISP.

Send IPv6 prefix hint ☐ Send an IPv6 prefix hint to indicate the desired prefix size for delegation

Do not wait for a RA ☐ Required by some ISPs, especially those not using PPPoE

Reserved Networks

☐ **Block private networks and loopback addresses**
Blocks traffic from IP addresses that are reserved for private networks per RFC 1918 (10/8, 172.16/12, 192.168/16) and unique local addresses per RFC 4193 (fc00::/7) as well as loopback addresses (127.0). This option should normally be turned on, unless this network interface resides in such a

PFSense-VNF [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

```
4) Reset to factory defaults      13) Update from console
5) Reboot system                14) Enable Secure Shell (ssh)
6) Halt system                  15) Restore recent configuration
7) Ping host                    16) Restart PHP-FPM
8) Shell

Enter an option: ipconfig em1

VirtualBox Virtual Machine - Netgate Device ID: 0d1c40dc9e38eb383762
*** Welcome to pfsense 2.9.1-RELEASE (amd64) on pfsense ***

WAN (wan) -> em1 -> v4/MCP4: 192.168.56.101/24

0) Logout / Disconnect SSH      9) pTop
1) Assign interfaces            10) Filter Logs
2) Set interface(s) IP address  11) Restart GUI
3) Reset admin account and password 12) PHP shell - pfsense tools
4) Reset to factory defaults     13) Update from console
5) Reboot system                14) Enable Secure Shell (ssh)
6) Halt system                  15) Restore recent configuration
7) Ping host                    16) Restart PHP-FPM
8) Shell

Enter an option: 
```

18°C Sunny 10:17 13-12-2025

Not secure192.168.56.101/interfaces.php?if=wan

Interfaces / WAN (em1)

General Configuration

Enable

☒ Enable interface

Description

WAN

Enter a description (name) for the interface here.

IPv4 Configuration Type

DHCP

IPv6 Configuration Type

DHCP6

MAC Address

xxxxxxxxxxxx

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MTU

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Speed and Duplex

Default (no preference, typically autoselect)

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DHCP Client Configuration

Options

☐ Advanced Configuration

☐ Configuration Override

Windows Taskbar

Search

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piSense

COMMUNITY EDITION

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PPPoE/L2TP Server

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Dynamic View

Summary View

La

Rule details

Action: block

Reason: ip-option

Tracker ID: 1757202313

Matched Rule: unavailable

Associated Rules:

@70 pass in quick on vxm1 inet proto igmp to <LAN__NETWORK:1> to 239.255.255.250 keep state (if-bound) label "USER_RULE: Passed via EasyRule" label "id:1757202313" identifier 1757202313

	Sep 7 10:17:10	LAN	Passed via EasyRule (1757202313)	192.168.1.45	239.255.255.250	IGMP
	Sep 7 10:17:05	LAN	Passed via EasyRule (1757202313)	192.168.1.45	239.255.255.250	IGMP
	Sep 7 10:17:05	LAN	Passed via EasyRule (1757202313)	192.168.1.70	239.255.255.250	IGMP
	Sep 7 10:16:03	LAN	Passed via EasyRule (1757202313)	192.168.1.155	239.255.255.250	IGMP
	Sep 7 10:16:02	LAN	Passed via EasyRule (1757202313)	192.168.1.45	239.255.255.250	IGMP
	Sep 7 10:15:07	LAN	Passed via EasyRule (1757202313)	192.168.1.45	239.255.255.250	IGMP
	Sep 7 10:15:06	LAN	Passed via EasyRule (1757202313)	192.168.1.155	239.255.255.250	IGMP
	Sep 7 10:15:01	LAN	Passed via EasyRule (1757202313)	192.168.1.45	239.255.255.250	IGMP

17 matched log entries.Max(50)					
Act	Time	If	Source	Destination	Proto
	Oct 19 01:51:46	LAN	192.168.1.10	159.153.226.105	ICMP
	Oct 19 01:51:45	LAN	192.168.1.10	159.153.225.30	ICMP
	Oct 19 01:51:43	LAN	192.168.1.10	159.153.93.2	ICMP
	Oct 19 01:51:42	LAN	192.168.1.10	64.125.199.186	ICMP
	Oct 19 01:51:40	LAN	192.168.1.10	64.125.31.206	ICMP
	Oct 19 01:51:39	LAN	192.168.1.10	64.125.25.113	ICMP
	Oct 19 01:51:37	LAN	192.168.1.10	64.125.25.46	ICMP
	Oct 19 01:51:36	LAN	192.168.1.10	64.125.30.233	ICMP
	Oct 19 01:51:34	LAN	192.168.1.10	64.125.31.234	ICMP
	Oct 19 01:51:33	LAN	192.168.1.10	64.125.24.5	ICMP
	Oct 19 01:51:32	LAN	192.168.1.10	75.149.228.134	ICMP
	Oct 19 01:51:30	LAN	192.168.1.10	68.86.87.18	ICMP
	Oct 19 01:51:29	LAN	192.168.1.10	68.86.91.229	ICMP
	Oct 19 01:51:27	LAN	192.168.1.10	68.85.155.14	ICMP
	Oct 19 01:51:26	LAN	192.168.1.10	68.85.154.10	ICMP
	Oct 19 01:51:24	LAN	192.168.1.10	162.151.1.141	ICMP
	Oct 19 01:51:23	LAN	192.168.1.10	67.160.236.1	ICMP

Schedule Information

Schedule Name

BusinessHours

Description

Normal Business Hours

Month

August_16

Date

August_2016

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Click individual date to select that date only. Click the appropriate weekday Header to select all occurrences of that weekday.

Time

9

00

17

00

Time range description

Work Week

+ Add Time

Clear selection

isense

COMMUNITY EDITION

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6+

Status / System Logs / Firewall / Normal View

System

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