LAB1

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/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

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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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	

PFSense-VNF [Running] - Oracle VirtualBox

File Machine View Input Devices Help

```
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: ipconfig em1

VirtualBox Virtual Machine - Netgate Device ID: 8d1c40dc0e30eb38376Z

*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***

WAN (wan) -> em1 -> v4/DHCP4: 192.168.56.101/24

0) Logout / Disconnect SSH            9) pfTop
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 (sshd)
6) Halt system                       15) Restore recent configuration
7) Ping host                         16) Restart PHP-FPM
8) Shell

Enter an option:
```

18°C
Sunny

Q Search

ENG
IN
10:17
13-12-2025

Google Search   pfSense.home.arpa - Interfaces   +

← → C   ⚠ Not secure 192.168.56.101/interfaces.php?if=wan

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** | 192.168.10.1 | / | 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.

DHCP6 Client Configuration

| **Options** | ☐ Advanced Configuration | ☐ Configuration Override |
| | Use advanced DHCPv6 configuration options. | 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 |

Air: Moderate
Today

Q Search

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10:33
13-12-2025

LAB2

System   Firewall   DHCP   Authentication   IPsec   PPP   PPPoE/L2TP Server   OpenVPN   NTP   Packages   Settings

Normal View   Dynamic View   Summary View

Rule details

Action: block
Reason: ip-option
Tracker ID: 1757202313
Matched Rule: unavailable
Associated Rules:
@70 pass in quick on vmx1 inet proto igmp from <LAN__NETWORK:1> to 239.255.255.250 keep state (if-bound) label "USER_RULE: Passed via EasyRule" label "id:1757202313" ridentifier 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

System Firewall DHCP Authentication IPsec PPP PPPoE/L2TP Server OpenVPN NTP Packages Settings

Normal View Dynamic View Summary View

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