

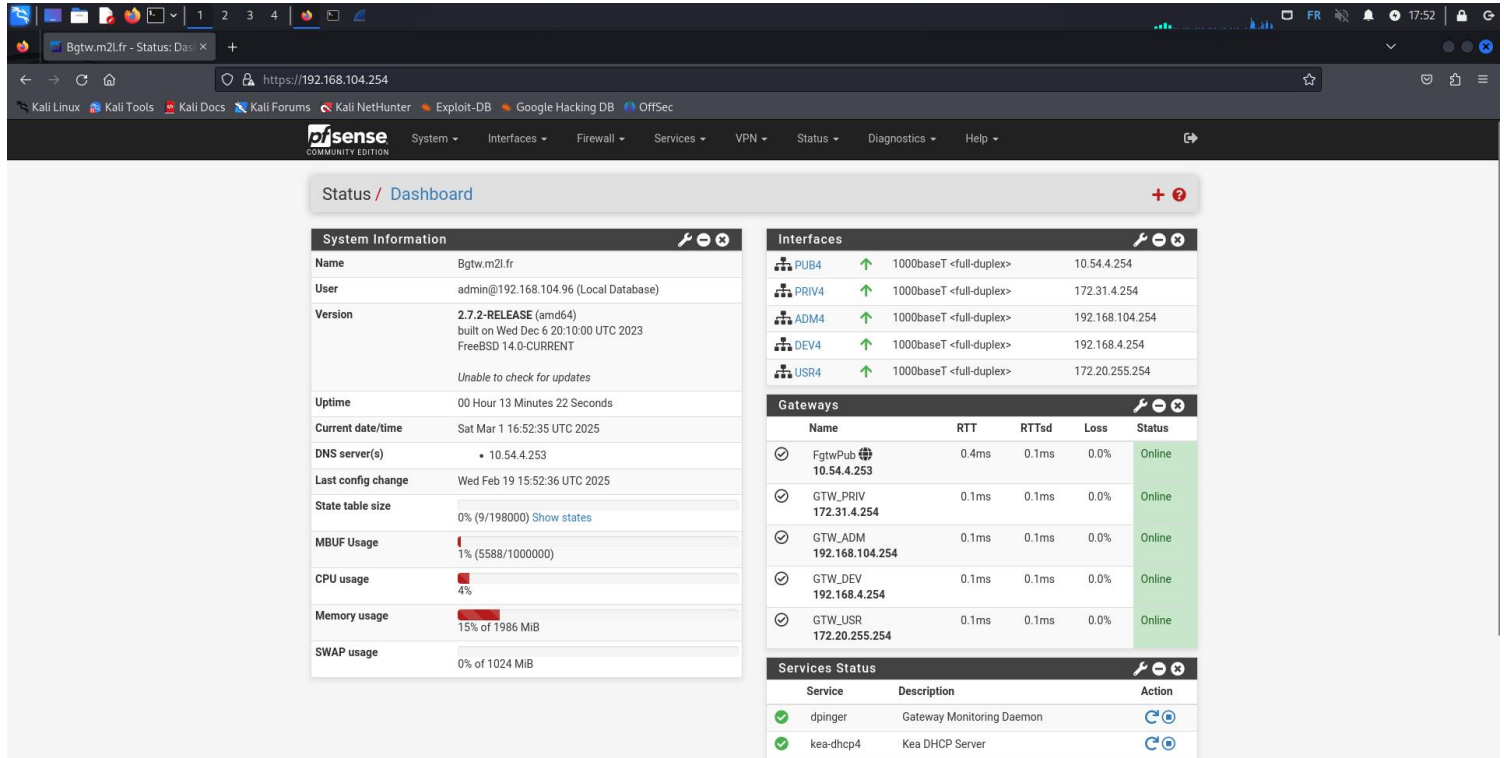
# Documentation et Livrable Front Gateway

## Table des matières

|                                    |    |
|------------------------------------|----|
| Configuration .....                | 2  |
| Dashboard : .....                  | 2  |
| Status.services .....              | 2  |
| Diagnostic.Sockets.....            | 3  |
| Status.interfaces .....            | 3  |
| Diagnostic.routes .....            | 4  |
| .....                              | 4  |
| Firewall.port-forwarding .....     | 5  |
| Firewall.outbound-nat .....        | 5  |
| Firewall.rules .....               | 6  |
| System.general-setup :.....        | 9  |
| System.certificate-manager : ..... | 10 |

# Configuration

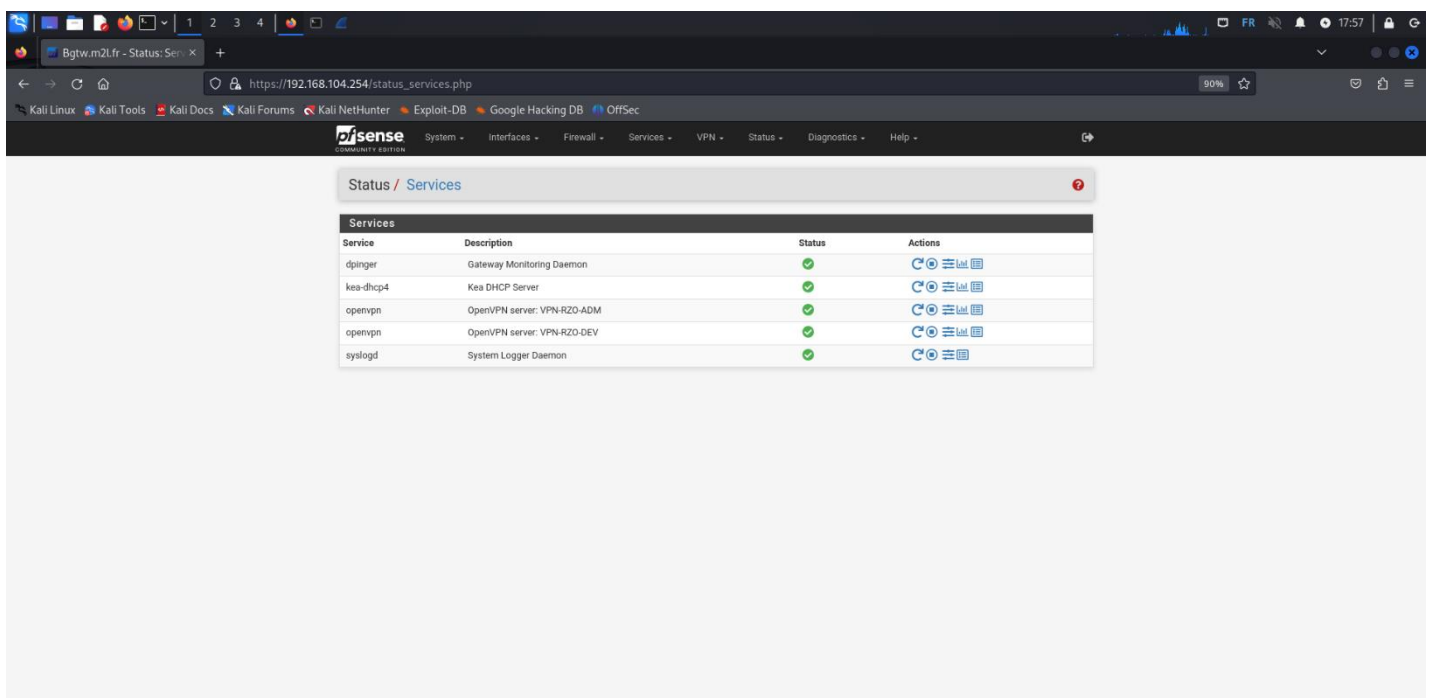
## Dashboard :



The screenshot shows the pfSense Status Dashboard. The top navigation bar includes links for System, Interfaces, Firewall, Services, VPN, Status, Diagnostics, and Help. The main content area is divided into several sections:

- System Information:** Displays details about the system, including Name (Bgtw.m2l.fr), User (admin@192.168.104.96), Version (2.7.2-RELEASE), Uptime (00 Hour 13 Minutes 22 Seconds), Current date/time (Sat Mar 1 16:52:35 UTC 2025), DNS server(s) (10.54.4.253), Last config change (Wed Feb 19 15:52:36 UTC 2025), State table size (0% (9/198000)), MBUF Usage (1% (5588/1000000)), CPU usage (4%), Memory usage (15% of 1986 MiB), and SWAP usage (0% of 1024 MiB).
- Interfaces:** Lists network interfaces and their status. All interfaces (PUB4, PRIV4, ADM4, DEV4, USR4) are shown as online.
- Gateways:** Lists configured gateways and their status. All gateways (FgtwPub, GTW\_PRIV, GTW\_ADM, GTW\_DEV, GTW\_USR) are shown as online.
- Services Status:** Lists the status of various services. The services shown are dpinger (Gateway Monitoring Daemon) and kea-dhcp4 (Kea DHCP Server), both of which are online.

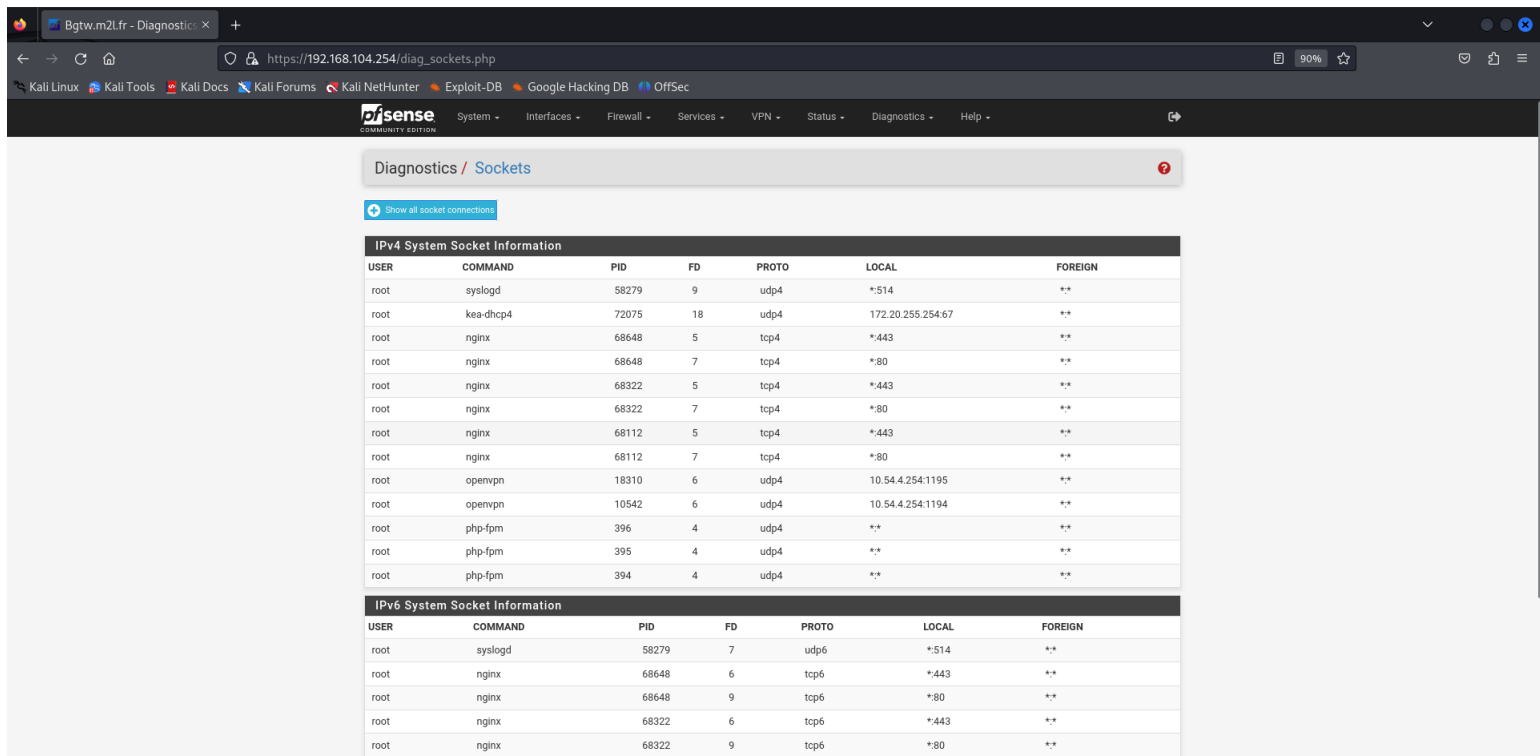
## Status.services



The screenshot shows the pfSense Status Services page. The top navigation bar includes links for System, Interfaces, Firewall, Services, VPN, Status, Diagnostics, and Help. The main content area displays a table of services and their status:

| Service   | Description                 | Status | Actions                   |
|-----------|-----------------------------|--------|---------------------------|
| dpinger   | Gateway Monitoring Daemon   | Online | Refresh, Stop, Start, Log |
| kea-dhcp4 | Kea DHCP Server             | Online | Refresh, Stop, Start, Log |
| openvpn   | OpenVPN server: VPN-RZO-ADM | Online | Refresh, Stop, Start, Log |
| openvpn   | OpenVPN server: VPN-RZO-DEV | Online | Refresh, Stop, Start, Log |
| syslogd   | System Logger Daemon        | Online | Refresh, Stop, Start, Log |

## Diagnostic.Sockets

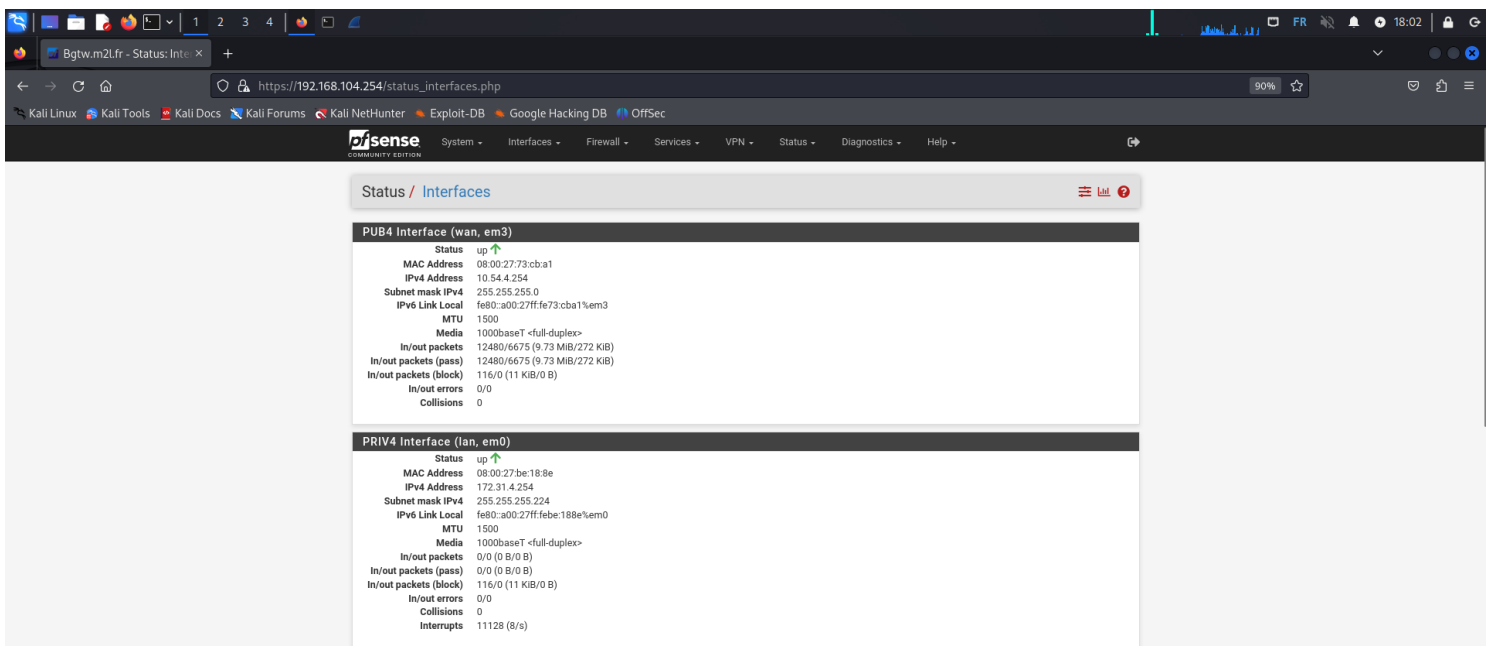


The screenshot shows the pfSense web interface at the 'Diagnostics / Sockets' page. The browser address bar shows 'https://192.168.104.254/diag\_sockets.php'. The page has a navigation menu with options like System, Interfaces, Firewall, Services, VPN, Status, Diagnostics, and Help. Below the navigation bar, there's a breadcrumb 'Diagnostics / Sockets' and a button 'Show all socket connections'. The main content area displays two tables: 'IPv4 System Socket Information' and 'IPv6 System Socket Information'. Both tables list active sockets for various services like syslogd, kea-dhcp4, nginx, and openvpn, showing details like user, command, PID, FD, protocol, local address, and foreign address.

| USER | COMMAND   | PID   | FD | PROTO | LOCAL             | FOREIGN |
|------|-----------|-------|----|-------|-------------------|---------|
| root | syslogd   | 58279 | 9  | udp4  | *:514             | **      |
| root | kea-dhcp4 | 72075 | 18 | udp4  | 172.20.255.254:67 | **      |
| root | nginx     | 68648 | 5  | tcp4  | *:443             | **      |
| root | nginx     | 68648 | 7  | tcp4  | *:80              | **      |
| root | nginx     | 68322 | 5  | tcp4  | *:443             | **      |
| root | nginx     | 68322 | 7  | tcp4  | *:80              | **      |
| root | nginx     | 68112 | 5  | tcp4  | *:443             | **      |
| root | nginx     | 68112 | 7  | tcp4  | *:80              | **      |
| root | openvpn   | 18310 | 6  | udp4  | 10.54.4.254:1195  | **      |
| root | openvpn   | 10542 | 6  | udp4  | 10.54.4.254:1194  | **      |
| root | php-fpm   | 396   | 4  | udp4  | **                | **      |
| root | php-fpm   | 395   | 4  | udp4  | **                | **      |
| root | php-fpm   | 394   | 4  | udp4  | **                | **      |

| USER | COMMAND | PID   | FD | PROTO | LOCAL | FOREIGN |
|------|---------|-------|----|-------|-------|---------|
| root | syslogd | 58279 | 7  | udp6  | *:514 | **      |
| root | nginx   | 68648 | 6  | tcp6  | *:443 | **      |
| root | nginx   | 68648 | 9  | tcp6  | *:80  | **      |
| root | nginx   | 68322 | 6  | tcp6  | *:443 | **      |
| root | nginx   | 68322 | 9  | tcp6  | *:80  | **      |

## Status.interfaces



The screenshot shows the pfSense web interface at the 'Status / Interfaces' page. The browser address bar shows 'https://192.168.104.254/status\_interfaces.php'. The page has a navigation menu with options like System, Interfaces, Firewall, Services, VPN, Status, Diagnostics, and Help. Below the navigation bar, there's a breadcrumb 'Status / Interfaces' and a button 'Load'. The main content area displays two interface status blocks: 'PUB4 Interface (wan, em3)' and 'PRIV4 Interface (lan, em0)'. Each block shows details like status, MAC address, IPv4 address, subnet mask, IPv6 link local address, MTU, media type, and in/out packets/bytes/errors/collisions.

**PUB4 Interface (wan, em3)**

- Status: up
- MAC Address: 08:00:27:73:cb:a1
- IPv4 Address: 10.54.4.254
- Subnet mask IPv4: 255.255.255.0
- IPv6 Link Local: fe80:a00:27ff:fe73:cb:a1%em3
- MTU: 1500
- Media: 1000baseT <full-duplex>
- In/out packets: 12480/6675 (9.73 MiB/272 KiB)
- In/out packets (pass): 12480/6675 (9.73 MiB/272 KiB)
- In/out packets (block): 116/0 (11 KiB/0 B)
- In/out errors: 0/0
- Collisions: 0

**PRIV4 Interface (lan, em0)**

- Status: up
- MAC Address: 08:00:27:be:18:8e
- IPv4 Address: 172.31.4.254
- Subnet mask IPv4: 255.255.255.0
- IPv6 Link Local: fe80:a00:27ff:febe:188e%em0
- MTU: 1500
- Media: 1000baseT <full-duplex>
- In/out packets: 0/0 (0 B/0 B)
- In/out packets (pass): 0/0 (0 B/0 B)
- In/out packets (block): 116/0 (11 KiB/0 B)
- In/out errors: 0/0
- Collisions: 0
- Interrupts: 11128 (8/s)

Bgtw.m2l.fr - Status: Int...

1234

FR18:03

https://192.168.104.254/status\_interfaces.php90%

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ADM4 Interface (opt1, em1)

Statusup↑

MAC Address08:00:27:ee:72:a1

IPv4 Address192.168.104.254

Subnet mask IPv4255.255.255.0

IPv6 Link Localfe80::a00:27ff:feee:72a1%em1

MTU1500

Media1000baseT <full-duplex>

In/out packets4317/10237 (450 KiB/10.35 MiB)

In/out packets (pass)4317/10237 (450 KiB/10.35 MiB)

In/out packets (block)0/0 (0 B/0 B)

In/out errors0/0

Collisions0

Interrupts7511 (5/s)

DEV4 Interface (opt2, em2)

Statusup↑

MAC Address08:00:27:2d:de:71

IPv4 Address192.168.4.254

Subnet mask IPv4255.255.255.0

IPv6 Link Localfe80::a00:27ff:fe2d:de71%em2

MTU1500

Media1000baseT <full-duplex>

In/out packets0/0 (0 B/0 B)

In/out packets (pass)0/0 (0 B/0 B)

In/out packets (block)0/1 (0 B/96 B)

In/out errors0/0

Collisions0

Interrupts2 (0/s)

USR4 Interface (opt3, em4)

Statusup↑

MAC Address08:00:27:dc:5d:af

IPv4 Address172.20.255.254

Subnet mask IPv4255.255.0.0

IPv6 Link Localfe80::a00:27ff:fedc:5daf%em4

MTU1500

Media1000baseT <full-duplex>

In/out packets0/0 (0 B/0 B)

In/out packets (pass)0/0 (0 B/0 B)

In/out packets (block)0/2 (0 B/188 B)

In/out errors0/0

Collisions0

Diagnostic.routes

Bgtw.m2l.fr - Diagnosti...

1234

FR18:06

https://192.168.104.254/diag\_routes.php80%

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Diagnostics / Routes

Routing Table Display Options

Resolve names☐ Enable

Rows to display100

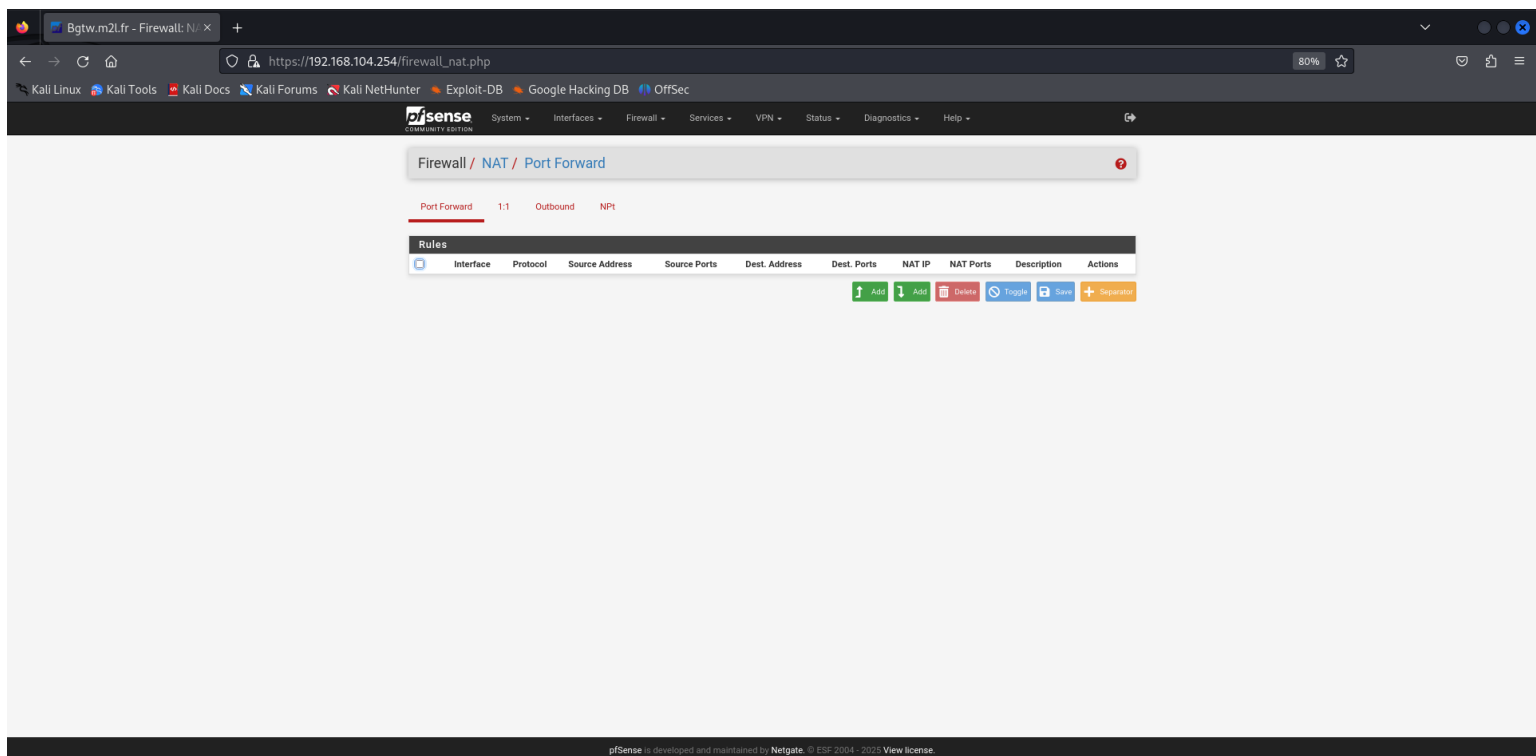
Filter

Update

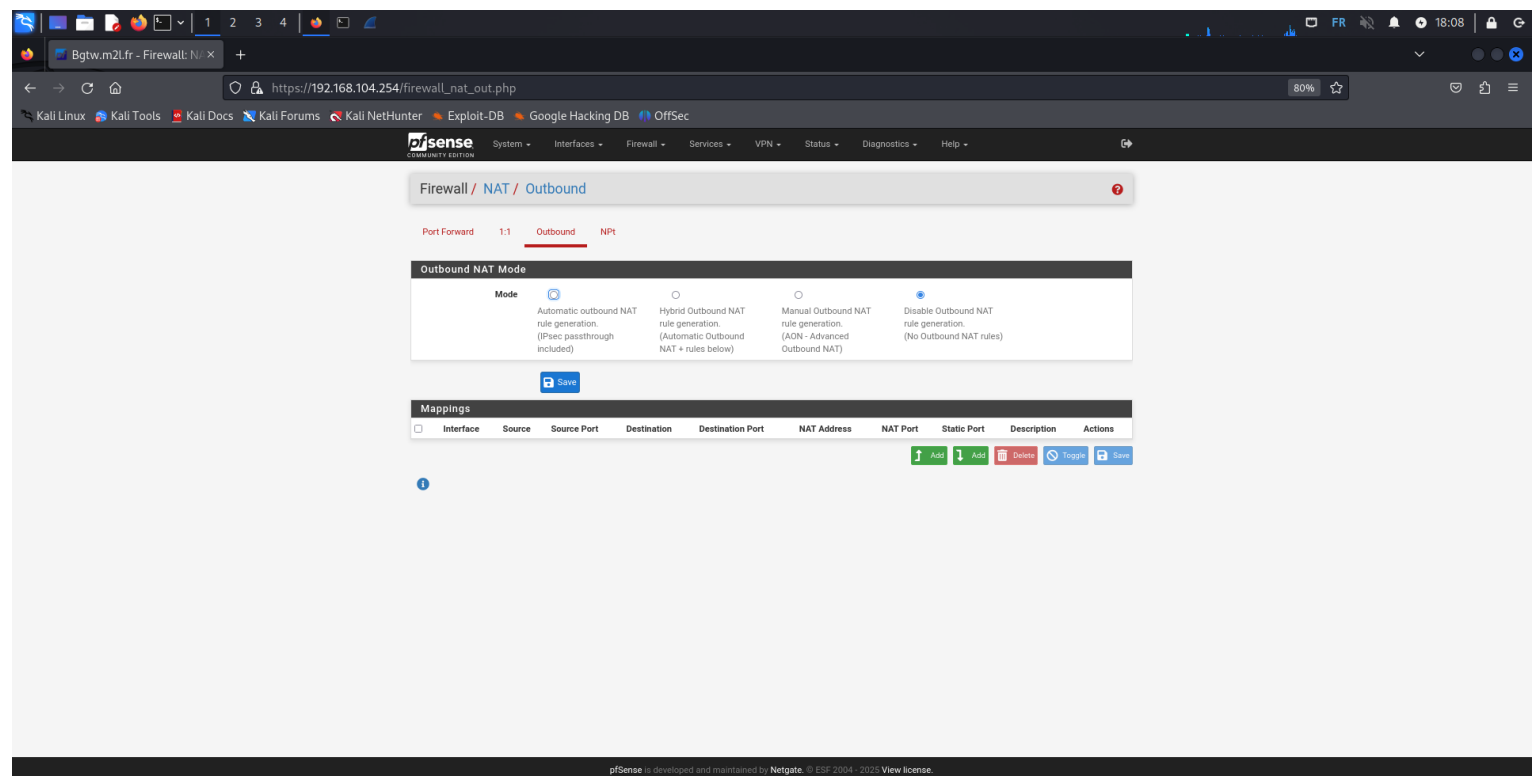
IPv4 Routes

| Destination      | Gateway     | Flags | Uses | MTU   | Interface | Expire |
|------------------|-------------|-------|------|-------|-----------|--------|
| default          | 10.54.4.253 | UGS   | 16   | 1500  | em3       |        |
| 10.6.4.0/28      | link#11     | U     | 14   | 1500  | ovpn12    |        |
| 10.6.4.1         | link#7      | UHS   | 15   | 16384 | lo0       |        |
| 10.7.4.0/29      | link#10     | U     | 12   | 1500  | ovpn1     |        |
| 10.7.4.1         | link#7      | UHS   | 13   | 16384 | lo0       |        |
| 10.54.4.0/24     | link#4      | U     | 1    | 1500  | em3       |        |
| 10.54.4.254      | link#7      | UHS   | 3    | 16384 | lo0       |        |
| 127.0.0.1        | link#7      | UH    | 2    | 16384 | lo0       |        |
| 172.20.0.0/16    | link#5      | U     | 10   | 1500  | em4       |        |
| 172.20.255.254   | link#7      | UHS   | 11   | 16384 | lo0       |        |
| 172.31.4.224/27  | link#1      | U     | 4    | 1500  | em0       |        |
| 172.31.4.254     | link#7      | UHS   | 5    | 16384 | lo0       |        |
| 192.168.4.0/24   | link#3      | U     | 8    | 1500  | em2       |        |
| 192.168.4.254    | link#7      | UHS   | 9    | 16384 | lo0       |        |
| 192.168.51.0/24  | 10.54.4.253 | UGS   | 17   | 1500  | em3       |        |
| 192.168.104.0/24 | link#2      | U     | 6    | 1500  | em1       |        |
| 192.168.104.254  | link#7      | UHS   | 7    | 16384 | lo0       |        |

## Firewall.port-forwarding



## Firewall.outbound-nat



# Firewall.rules

## Floating :

Bgtw.m2Lfr - Firewall: Rules

https://192.168.104.254/firewall\_rules.php?if=FloatingRules

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SystemInterfacesFirewallServicesVPNStatusDiagnosticsHelp

Firewall / Rules / Floating

The changes have been applied successfully. The firewall rules are now reloading in the background. Monitor the filter reload progress.

FloatingPUB4PRIV4ADM4DEV4USR4OpenVPN

Rules (Drag to Change Order)

|                          | States                              | Interfaces | Protocol | Source        | Port | Destination | Port | Gateway | Queue | Schedule | Description | Actions                                                                                                                                                         |
|--------------------------|-------------------------------------|------------|----------|---------------|------|-------------|------|---------|-------|----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/0 B      | Any      | IPv4 ICMP any | *    | *           | *    | *       | *     | none     |             | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |

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## Pub4 :

Bgtw.m2Lfr - Firewall: Rules

https://192.168.104.254/firewall\_rules.php?if=wan

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SystemInterfacesFirewallServicesVPNStatusDiagnosticsHelp

Firewall / Rules / PUB4

FloatingPUB4PRIV4ADM4DEV4USR4OpenVPN

Rules (Drag to Change Order)

|                          | States                              | Protocol | Source        | Port         | Destination    | Port           | Gateway | Queue | Schedule | Description                                    | Actions                                                                                                                                                         |
|--------------------------|-------------------------------------|----------|---------------|--------------|----------------|----------------|---------|-------|----------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/986 B  | IPv4 ICMP any | *            | *              | *              | *       | none  |          | ping tout passe                                | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/0 B    | IPv4 TCP      | PUB4 subnets | priv4_auth     | 22 (SSH)       | *       | none  |          | SSH Pour sauvegarde automatisée                | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/0 B    | IPv4 UDP      | *            | PUB4 address   | 1195           | *       | none  |          | OpenVPN VPN-RZO-DEV wizard                     | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/0 B    | IPv4 UDP      | *            | PUB4 address   | 1194 (OpenVPN) | *       | none  |          | OpenVPN VPN-RZO-ADM wizard                     | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/0 B    | IPv4 TCP      | pub4_WebR    | priv4_auth     | 389 (LDAP)     | *       | none  |          | LDAPS (Authentication Sécurisée) -> priv4_auth | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/0 B    | IPv4 *        | *            | I not INTERNET | *              | *       | none  |          | Autorise Sortie Internet                       | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 0/17 KiB | IPv4 *        | *            | *              | *              | *       | none  |          | Pub TOUT block                                 | <a href="#">Download</a> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Toggle</a> <a href="#">Save</a> <a href="#">Separator</a> |

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## Priv4 :

The screenshot shows the Mikrotik WinBox interface for configuring Firewall Rules. The breadcrumb navigation is "Firewall / Rules / PRIV4". A green notification bar at the top states: "The changes have been applied successfully. The firewall rules are now reloading in the background. Monitor the filter reload progress." Below this, the "PRIV4" tab is selected in the rule list. The table below shows the configured rules:

| States     | Protocol  | Source        | Port | Destination    | Port         | Gateway | Queue | Schedule | Description                                     | Actions                             |
|------------|-----------|---------------|------|----------------|--------------|---------|-------|----------|-------------------------------------------------|-------------------------------------|
| ✓ 0/0 B    | *         | *             | *    | PRIV4 Address  | 443 80       | *       | *     |          | Anti-Lockout Rule                               | [Settings]                          |
| ✓ 0/0 B    | IPv4 ICMP | *             | *    | *              | *            | *       | none  |          | Autoriser les requêtes ping                     | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/0 B    | IPv4 TCP  | priv4_auth    | *    | pub4_WebR      | 636 (LDAP/S) | *       | none  |          | LDAPS (Authentification Sécurisée) -> pub4_WebR | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/0 B    | IPv4 UDP  | PRIV4 subnets | *    | Fgtw_Pub       | 53 (DNS)     | *       | none  |          | autoriser requetes DNS                          | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/0 B    | IPv4 *    | *             | *    | ! not INTERNET | *            | *       | none  |          | Autorise Sortie Internet                        | [Up] [Down] [Copy] [Paste] [Delete] |
| ✗ 0/21 KiB | IPv4 *    | *             | *    | *              | *            | *       | none  |          | PRIV4 TOUT BLOCK                                | [Up] [Down] [Copy] [Paste] [Delete] |

At the bottom of the table are buttons: Add, Add (with down arrow), Delete, Toggle, Copy, Save, and Separator.

## Adm4 :

The screenshot shows the Mikrotik WinBox interface for configuring Firewall Rules. The breadcrumb navigation is "Firewall / Rules / ADM4". A green notification bar at the top states: "The changes have been applied successfully. The firewall rules are now reloading in the background. Monitor the filter reload progress." Below this, the "ADM4" tab is selected in the rule list. The table below shows the configured rules:

| States       | Protocol  | Source             | Port | Destination    | Port         | Gateway | Queue | Schedule | Description                        | Actions                             |
|--------------|-----------|--------------------|------|----------------|--------------|---------|-------|----------|------------------------------------|-------------------------------------|
| ✓ 0/0 B      | IPv4 *    | *                  | *    | *              | *            | *       | none  |          |                                    | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/168 B    | IPv4 ICMP | *                  | *    | *              | *            | *       | none  |          | Autoriser les requêtes ping        | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/1.32 MiB | IPv4 TCP  | vpn_and_adm_subnet | *    | InterfacesADM4 | http_https   | *       | none  |          | Autorise HTTPS VPN & ADM           | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/0 B      | IPv4 TCP  | vpn_and_adm_subnet | *    | pub4_WebR      | 443 (HTTPS)  | *       | none  |          | Autorise requetes vers WebR.https  | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/0 B      | IPv4 UDP  | vpn_and_adm_subnet | *    | Fgtw_Pub       | 53 (DNS)     | *       | none  |          | allow dns -> network               | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/0 B      | IPv4 TCP  | vpn_and_adm_subnet | *    | priv4_auth     | 636 (LDAP/S) | *       | none  |          | LDAPS (Authentification Sécurisée) | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/0 B      | IPv4 TCP  | vpn_and_adm_subnet | *    | *              | 22 (SSH)     | *       | none  |          | Administrer SSH                    | [Up] [Down] [Copy] [Paste] [Delete] |
| ✓ 0/9.76 MiB | IPv4 *    | *                  | *    | ! not INTERNET | *            | *       | none  |          | Autorise Sortie Internet           | [Up] [Down] [Copy] [Paste] [Delete] |
| ✗ 0/756 B    | IPv4 *    | *                  | *    | *              | *            | *       | none  |          | TOUT BLOQUE                        | [Up] [Down] [Copy] [Paste] [Delete] |

At the bottom of the table are buttons: Add, Add (with down arrow), Delete, Toggle, Copy, Save, and Separator.

## Dev4 :

The screenshot shows the pfSense Firewall Rules configuration page for the DEV4 interface. The browser address bar shows the URL `https://192.168.104.254/firewall_rules.php?if=opt2`. The page title is "Firewall / Rules / DEV4". The "DEV4" tab is selected in the top navigation bar. Below the navigation bar, there is a table of rules. The table has columns: States, Protocol, Source, Port, Destination, Port, Gateway, Queue, Schedule, Description, and Actions. The rules are as follows:

| States                   | Protocol | Source    | Port         | Destination | Port           | Gateway      | Queue | Schedule | Description                   | Actions                                                                  |
|--------------------------|----------|-----------|--------------|-------------|----------------|--------------|-------|----------|-------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> | 0/0 B    | IPv4 ICMP | *            | *           | *              | *            | none  |          | Autoriser les requêtes ping   | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 TCP  | DEV4 subnets | *           | pub4_WebR      | 443 (HTTPS)  | *     | none     | Autorise vers HTTPS           | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 TCP  | DEV4 subnets | *           | priv4_auth     | 636 (LDAP/S) | *     | none     | LDAPS - authentication secure | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 TCP  | DEV4 subnets | *           | pub4_WebR      | 22 (SSH)     | *     | none     | Déposer Code DEV - Pub4 WebR  | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 *    | *            | *           | ! not_INTERNET | *            | *     | none     | Autorise Sortie Internet      | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 *    | *            | *           | *              | *            | *     | none     | TOUT BLOQUE                   | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |

At the bottom of the table, there are buttons: Add, Add, Delete, Toggle, Copy, Save, and Separator.

## Usr4 :

The screenshot shows the pfSense Firewall Rules configuration page for the USR4 interface. The browser address bar shows the URL `https://192.168.104.254/firewall_rules.php?if=opt3`. The page title is "Firewall / Rules / USR4". The "USR4" tab is selected in the top navigation bar. Below the navigation bar, there is a green message box that says: "The changes have been applied successfully. The firewall rules are now reloading in the background. Monitor the filter reload progress." Below the message box, there is a table of rules. The table has columns: States, Protocol, Source, Port, Destination, Port, Gateway, Queue, Schedule, Description, and Actions. The rules are as follows:

| States                   | Protocol | Source    | Port         | Destination | Port                 | Gateway      | Queue | Schedule | Description                    | Actions                                                                  |
|--------------------------|----------|-----------|--------------|-------------|----------------------|--------------|-------|----------|--------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> | 0/0 B    | IPv4 UDP  | *            | *           | This Firewall (self) | 67           | *     | none     | Service DHCP pour USR          | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 TCP  | USR4 subnets | *           | pub4_WebR            | 443 (HTTPS)  | *     | none     | Acceder Serveur HTTPS Pub.WebR | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 UDP  | USR4 subnets | *           | Fgtw_Pub             | 53 (DNS)     | *     | none     | autoriser requetes DNS         | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 TCP  | USR4 subnets | *           | priv4_auth           | 636 (LDAP/S) | *     | none     | LDAPS - authentication secure  | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 ICMP | *            | *           | *                    | *            | none  |          | Autoriser les requêtes ping    | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 *    | *            | *           | ! not_INTERNET       | *            | *     | none     | Autorise Sortie Internet       | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |
| <input type="checkbox"/> | 0/0 B    | IPv4 *    | *            | *           | *                    | *            | *     | none     | TOUT block USR4                | <a href="#">↓</a> <a href="#">↗</a> <a href="#">🗑️</a> <a href="#">🔍</a> |

At the bottom of the table, there are buttons: Add, Add, Delete, Toggle, Copy, Save, and Separator.

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# System.general-setup :

1234

Bgtw.m2l.fr - System: G

https://192.168.104.254/system.php

Kali LinuxKali ToolsKali DocsKali ForumsKali NetHunterExploit-DBGoogle Hacking DBOffSec

System - Interfaces - Firewall - Services - VPN - Status - Diagnostics - Help -

System / General Setup

System

Hostname

Bgtw

Name of the firewall host, without domain part.

Domain

m2l.fr

Domain name for the firewall.

Do not end the domain name with 'local' as the final part (Top Level Domain, TLD). The 'local' TLD is widely used by mDNS (e.g. Avahi, Bonjour, Rendezvous, Airplay, Airplay) and some Windows systems and networked devices. These will not network correctly if the router uses 'local' as its TLD. Alternatives such as 'home.arpa', 'local.lan', or 'mylocal' are safe.

DNS Server Settings

DNS Servers

10.54.4.253

DNS Hostname

none

Address

Enter IP addresses to be used by the system for DNS resolution. These are also used for the DHCP service, DNS Forwarder and DNS Resolver when it has DNS Query Forwarding enabled.

Hostname

Enter the DNS Server Hostname for TLS Verification in the DNS Resolver (optional).

Gateway

Optionally select the gateway for each DNS server. When using multiple WAN connections there should be at least one unique DNS server per gateway.

Add DNS Server

+ Add DNS Server

DNS Server Override

☒ Allow DNS server list to be overridden by DHCP/PPP on WAN or remote OpenVPN server

If this option is set, pSense will use DNS servers assigned by a DHCP/PPP server on WAN or a remote OpenVPN server (if Pull DNS option is enabled) for its own purposes (including the DNS Forwarder/DNS Resolver). However, they will not be assigned to DHCP clients.

DNS Resolution Behavior

Use local DNS (127.0.0.1), fall back to remote DNS Servers (Default)

By default the firewall will use local DNS service (127.0.0.1, DNS Resolver or Forwarder) as the first DNS server when possible, and it will fall back to remote DNS servers otherwise. Use this option to choose alternate behaviors.

Localization

1234

Bgtw.m2l.fr - System: G

https://192.168.104.254/system.php

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System - Interfaces - Firewall - Services - VPN - Status - Diagnostics - Help -

System / General Setup

Localization

Timezone

Etc/UTC

Select a geographic region name (Continent/Location) to determine the timezone for the firewall.  
Choose a special or "Etc" zone only in cases where the geographic zones do not properly handle the clock offset required for this firewall.

Timeservers

10.54.4.253

Use a space to separate multiple hosts (only one required). Remember to set up at least one DNS server if a host name is entered here!

Language

English

Choose a language for the webConfigurator

webConfigurator

Theme

pfSense

Choose an alternative css file (if installed) to change the appearance of the webConfigurator. css files are located in /usr/local/www/css/

Top Navigation

Scrolls with page

The fixed option is intended for large screens only.

Hostname in Menu

Default (No hostname)

Replaces the Help menu title in the Navbar with the system hostname or FQDN.

Dashboard Columns

2

Interfaces Sort

☐ Sort Alphabetically

If selected, lists of interfaces will be sorted by description, otherwise they are listed wan,lan,optn...

Associated Panels Show/Hide

☐ Available Widgets

Show the Available Widgets panel on the Dashboard.

☐ Log Filter

Show the Log Filter panel in System Logs.

☐ Manage Log

Show the Manage Log panel in System Logs.

☐ Monitoring Settings

Show the Settings panel in Status Monitoring.

These options allow certain panels to be automatically hidden on page load. A control is provided in the title bar to un-hide the panel.

Require State Filter

☐ Do not display state table without a filter

By default, the entire state table is displayed when entering Diagnostics > States. This option requires a filter to be entered before the states are displayed. Useful for systems with large state tables.

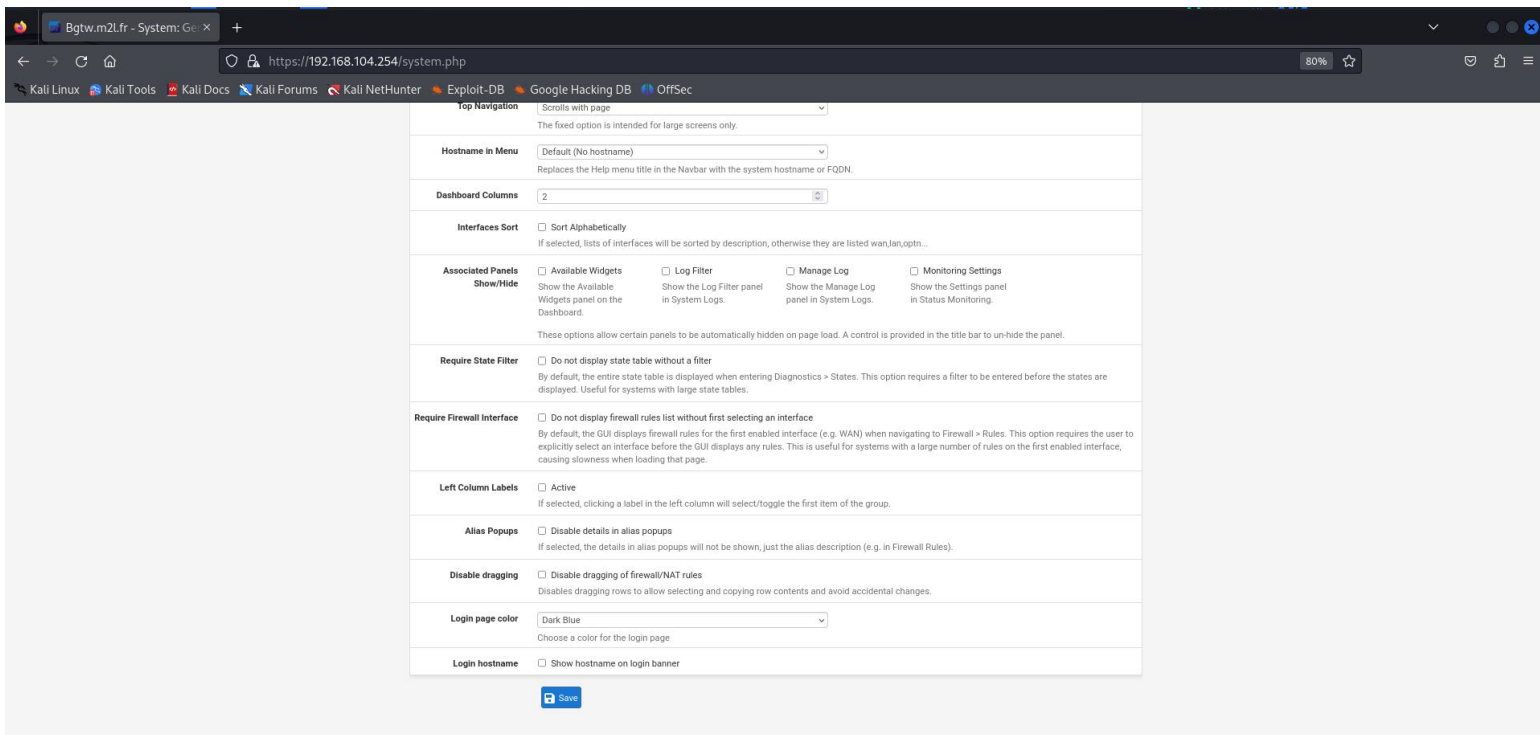
Require Firewall Interface

☐ Do not display firewall rules list without first selecting an interface

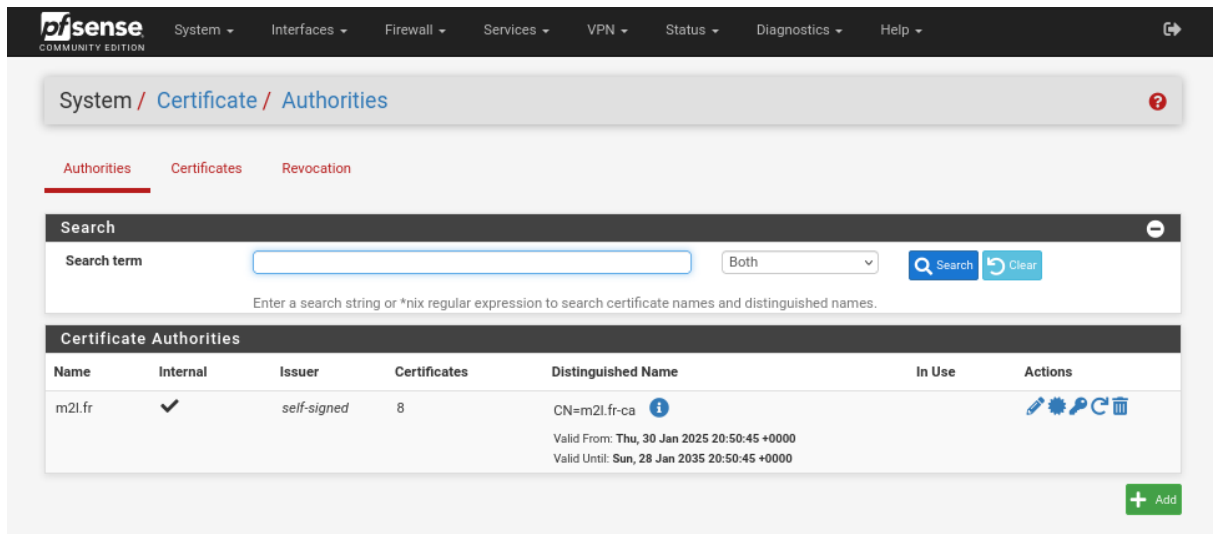
By default, the GUI displays firewall rules for the first enabled interface (e.g. WAN) when navigating to Firewall > Rules. This option requires the user to explicitly select an interface before the GUI displays any rules. This is useful for systems with a large number of rules on the first enabled interface, causing slowness when loading that page.

Left Column Labels

☐ Active



## System.certificate-manager :



pfSense  
COMMUNITY EDITION

System ▾ Interfaces ▾ Firewall ▾ Services ▾ VPN ▾ Status ▾ Diagnostics ▾ Help ▾

System / Certificates / Certificates

?

Deleted certificate Certificat pour VPN

AuthoritiesCertificatesCertificate Revocation

Search

Search term

Both

Search

Clear

Enter a search string or \*nix regular expression to search certificate names and distinguished names.

Certificates

| Name                                                                       | Issuer      | Distinguished Name                                                                                                                                                     | In Use          | Actions |
|----------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|
| GUI default (66d77e6b76620)<br>Server Certificate<br>CA: No<br>Server: Yes | self-signed | O=pfSense GUI default Self-Signed Certificate, CN=pfSense-66d77e6b76620<br>Valid From: Tue, 03 Sep 2024 21:23:55 +0000<br>Valid Until: Mon, 06 Oct 2025 21:23:55 +0000 |                 |         |
| bgtw.m2l.fr<br>Server Certificate<br>CA: No<br>Server: Yes                 | m2l.fr      | CN=bgtw.m2l.fr<br>Valid From: Thu, 30 Jan 2025 20:51:48 +0000<br>Valid Until: Sun, 28 Jan 2035 20:51:48 +0000                                                          | webConfigurator |         |
| Fgtw<br>Server Certificate<br>CA: No<br>Server: Yes                        | m2l.fr      | CN=fgtw.internet.m2l.fr<br>Valid From: Fri, 31 Jan 2025 09:41:38 +0000<br>Valid Until: Mon, 29 Jan 2035 09:41:38 +0000                                                 |                 |         |
| webr.m2l.fr<br>Server Certificate<br>CA: No<br>Server: Yes                 | m2l.fr      | CN=webr.m2l.fr<br>Valid From: Fri, 31 Jan 2025 09:42:22 +0000<br>Valid Until: Mon, 29 Jan 2035 09:42:22 +0000                                                          |                 |         |

|                                                              |        |                                                                                                                 |                |  |
|--------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------|----------------|--|
| webr.m2l.fr<br>Server Certificate<br>CA: No<br>Server: Yes   | m2l.fr | CN=webr.m2l.fr<br>Valid From: Fri, 31 Jan 2025 09:42:22 +0000<br>Valid Until: Mon, 29 Jan 2035 09:42:22 +0000   |                |  |
| auth.m2l.fr<br>User Certificate<br>CA: No<br>Server: No      | m2l.fr | CN=auth.m2l.fr<br>Valid From: Fri, 31 Jan 2025 09:43:42 +0000<br>Valid Until: Mon, 29 Jan 2035 09:43:42 +0000   |                |  |
| VPN-Serv-Cert<br>Server Certificate<br>CA: No<br>Server: Yes | m2l.fr | CN=VPN-Serv-Cert<br>Valid From: Tue, 11 Feb 2025 15:41:13 +0000<br>Valid Until: Mon, 16 Mar 2026 15:41:13 +0000 | OpenVPN Server |  |
| ysrater_Cert<br>User Certificate<br>CA: No<br>Server: No     | m2l.fr | CN=ysrater<br>Valid From: Tue, 11 Feb 2025 15:47:23 +0000<br>Valid Until: Fri, 09 Feb 2035 15:47:23 +0000       | User Cert      |  |
| dloper_Cert<br>User Certificate<br>CA: No<br>Server: No      | m2l.fr | CN=dloper<br>Valid From: Wed, 12 Feb 2025 12:44:56 +0000<br>Valid Until: Sat, 10 Feb 2035 12:44:56 +0000        | User Cert      |  |