

## Procédure Pfsense et ouverture de port

Reset le pfsense si ce n'est pas déjà le cas

```
Message from syslogd@pfSense at Feb 12 23:21:15 ...
php-fpm[434]: /index.php: webConfigurator authentication error for user 'admin' from: 10.30.200.1

Message from syslogd@pfSense at Feb 12 23:21:15 ...
php-fpm[434]: /index.php: webConfigurator authentication error for user 'admin' from: 10.30.200.1

Message from syslogd@pfSense at Feb 12 23:21:29 ...
php-fpm[434]: /index.php: webConfigurator authentication error for user 'Admin' from: 10.30.200.1

Message from syslogd@pfSense at Feb 12 23:21:37 ...
php-fpm[434]: /index.php: webConfigurator authentication error for user 'admin' from: 10.30.200.1

Message from syslogd@pfSense at Feb 13 09:39:39 ...
php-fpm[434]: /index.php: webConfigurator authentication error for user 'admin' from: 10.30.200.1

Message from syslogd@pfSense at Feb 13 09:39:47 ...
php-fpm[434]: /index.php: webConfigurator authentication error for user 'admin' from: 10.30.200.1

Message from syslogd@pfSense at Feb 13 09:39:56 ...
php-fpm[434]: Successful login for user 'admin' from: 10.30.200.1 (Local Database)

Message from syslogd@pfSense at Feb 15 16:56:49 ...
php-fpm[73819]: /index.php: webConfigurator authentication error for user 'aduin' from: 10.30.200.1
ugen0.2: <Logitech USB Optical Mouse> at usbus0
ugen0.2: <Logitech USB Optical Mouse> at usbus0 (disconnected)
ugen0.2: <Logitech USB Keyboard> at usbus0
ukbd0 on uhub0
ukbd0: <Logitech USB Keyboard, class 0/0, rev 1.10/64.02, addr 16> on usbus0
kbd2 at ukbd0
uhid0 on uhdb0
uhid0: <Logitech USB Keyboard, class 0/0, rev 1.10/64.02, addr 16> on usbus0
uhid0: <Logitech USB Keyboard, class 0/0, rev 1.10/64.02, addr 16> on usbus0
^C

FreeBSD/amd64 (pfSense.home.arpa) (ttyv0)

pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5296e4

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

WAN (wan)      -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)      -> re0      -> v4: 10.3.2.1/29
VLAN10 (opt1)  -> re0.10  -> v4: 192.168.10.254/24

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: ■
```

Appuyer sur 4 à la question « Do you want to proceed » mettre « y »

```
Message from syslogd@pfSense at Feb 13 09:39:47 ...
php-fpm[434]: /index.php: webConfigurator authentication error for user 'admin' fr

Message from syslogd@pfSense at Feb 13 09:39:56 ...
php-fpm[434]: /index.php: Successful login for user 'admin' from: 10.30.200.1 (Loc

Message from syslogd@pfSense at Feb 15 16:56:49 ...
php-fpm[73819]: /index.php: webConfigurator authentication error for user 'admin'
ugen0.2: <Logitech USB Optical Mouse> at usbus0
ugen0.2: <Logitech USB Optical Mouse> at usbus0 (disconnected)
ugen0.2: <Logitech USB Keyboard> at usbus0
ukbd0 on uhub0
ukbd0: <Logitech USB Keyboard, class 0/0, rev 1.10/64.02, addr 16> on usbus0
kbd2 at ukbd0
uhid0 on uhub0
uhid0: <Logitech USB Keyboard, class 0/0, rev 1.10/64.02, addr 16> on usbus0
^C

FreeBSD/amd64 (pfSense.home.arpa) (ttyv0)

pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4

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

WAN (wan)      -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)      -> re0      -> v4: 10.3.2.1/29
VLAN10 (opt1)  -> re0.10  -> v4: 192.168.10.254/24

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

Enter an option: 4

You are about to reset the firewall to factory defaults.
The firewall will reboot after resetting the configuration.
All additional packages installed will be removed.
Do you want to proceed [y/n]? ■
```

Il est reset comme ceci

```
Updating configuration...done.
Checking cryptographic accelerator drivers...done.
Setting up extended sysctl...done.
Executing early shell commands...done.
Setting timezone...done.
Configuring loopback interface...done.
Starting syslog...done.
Setting up interfaces microcode...done.
Configuring loopback interface...done.
Configuring LAN interface...done.
Configuring WAN interface...done.
Configuring OpenVPN settings...done.
Syncing OpenVPN settings...done.
Configuring firewall...done.
Starting PFLOG...done.
Setting up gateway monitors...done.
Setting up static routes...done.
Setting up IP...done.
Starting DNS Resolver...done.
Synchronizing user settings...done.
Configuring CRON...done.
Configuring NTP clock...done.
Starting RTP Server...done.
Starting webConfigurator...done.
Starting DHCP service...done.
Starting DHCPv6 service...done.
Configuring firewall...done.
Generating RRD graphs...done.
Starting syslog...done.
Starting CRON...done.
pfSense 2.8.1-RELEASE amd64 20251215-1731
Bootstrap complete

FreeBSD/amd64 (pfSense.home.arpa) (ttyv0)

pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4

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

WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> igb1 -> v4: 192.168.1.1/24

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

Enter an option: ■
```

On va lui « Asign interfaces » appuyer sur 1

```
Configuring DNS Resolver...done.
Synchronizing user settings...done.
Configuring CRON...done.
Bootstrapping clock...done.
Starting NTP Server...done.
Starting webConfigurator...done.
Starting DHCP service...done.
Starting DHCPv6 service...done.
Configuring firewall....done.
Generating RRD graphs...done.
Starting syslog...done.
Starting CRON... done.
pfSense 2.8.1-RELEASE amd64 20251215-1731
Bootup complete

FreeBSD/amd64 (pfSense.home.arpa) (ttyv0)
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> igb1 -> v4: 192.168.1.1/24
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: 1

Valid interfaces are:
re0      b4:b0:24:ca:5d:87 (down) RealTek 8168 Gigabit Ethernet
igb0     3c:49:37:19:6f:d6 (down) Intel(R) PRO/1000 82575EB (Copper)
igb1     3c:49:37:19:6f:d7 (down) Intel(R) PRO/1000 82575EB (Copper)
em0      c8:7f:54:ce:1a:5b   (up) AHCI enclosure management bridge

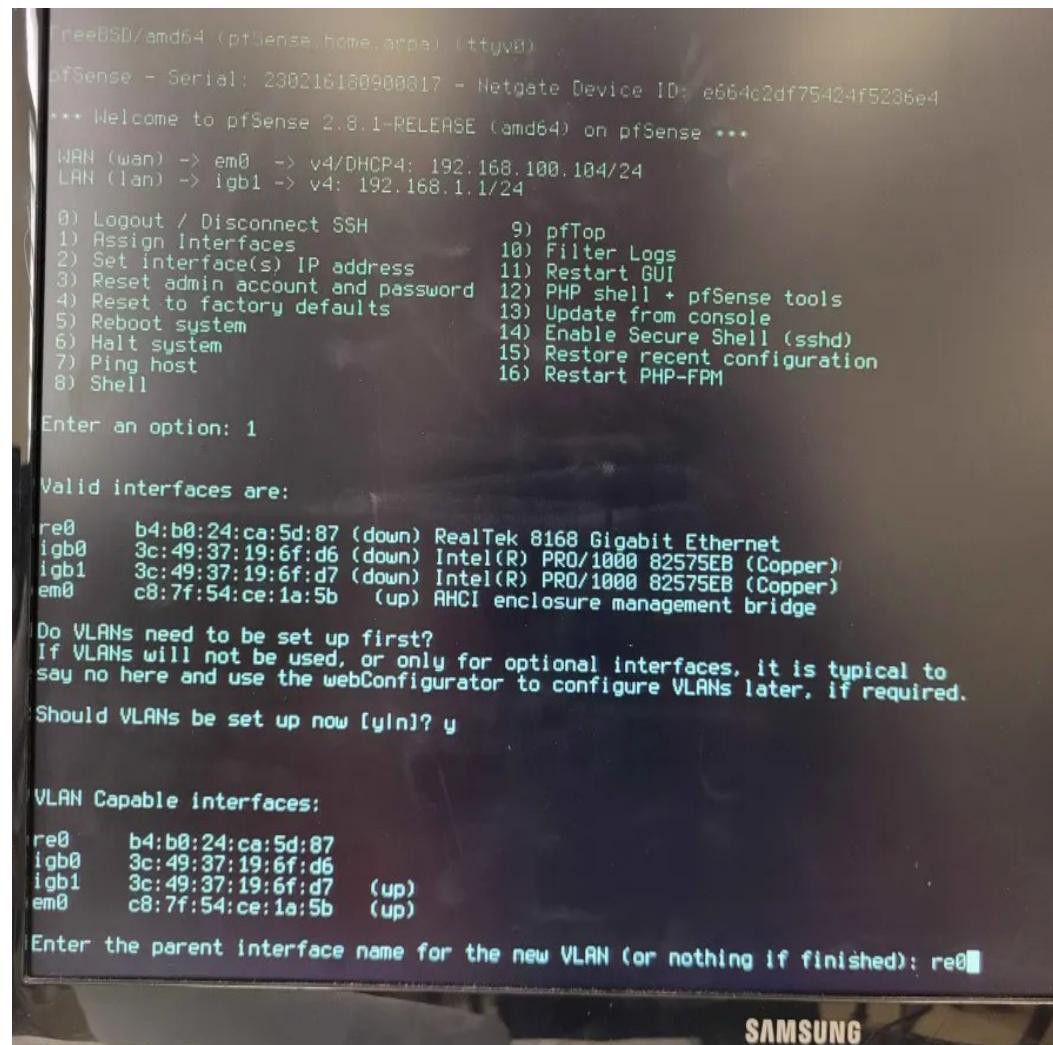
Do VLANs need to be set up first?
If VLANs will not be used, or only for optional interfaces, it is typical to
say no here and use the webConfigurator to configure VLANs later, if required.

Should VLANs be set up now [y/n]? ■
```

A la question « should Vlans be set up now » mettre « Y »

Puis la question « Enter the parent interface name for the new vlan » mettre « re0 » qui correspond a mon vlan

## ATTENTION LES INTERFACE DEPENDE DE L'INFRA



```
FreeBSD/amd64 (pfSense_home_apc) (ttyv8)
pfSense - Serial: 230216100900017 - Netgate Device ID: e664c2df75424f5206e4
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> igb1 -> v4: 192.168.1.1/24

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: 1

Valid interfaces are:
re0      b4:b0:24:ca:5d:87 (down) RealTek 8168 Gigabit Ethernet
igb0     3c:49:37:19:6f:d6 (down) Intel(R) PRO/1000 82575EB (Copper)
igb1     3c:49:37:19:6f:d7 (down) Intel(R) PRO/1000 82575EB (Copper)
em0      c8:7f:54:ce:1a:5b (up) AHCI enclosure management bridge

Do VLANs need to be set up first?
If VLANs will not be used, or only for optional interfaces, it is typical to
say no here and use the webConfigurator to configure VLANs later, if required.

Should VLANs be set up now [y/n]? y

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7 (up)
em0      c8:7f:54:ce:1a:5b (up)

Enter the parent interface name for the new VLAN (or nothing if finished): re0
```

```

pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> igb1 -> v4: 192.168.1.1/24

0) Logout / Disconnect SSH      9) pfTop
1) Assign Interfaces           10) Filter Logs
2) Set interface(s) IP address 11) Restart GUI
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6) Halt system                 15) Restore recent configuration
7) Ping host                   16) Restart PHP-FPM

Enter an option: 1

Valid interfaces are:
re0      b4:b0:24:ca:5d:87 (down) RealTek 8168 Gigabit Ethernet
igb0     3c:49:37:19:6f:d6 (down) Intel(R) PRO/1000 82575EB (Copper)
igb1     3c:49:37:19:6f:d7 (down) Intel(R) PRO/1000 82575EB (Copper)
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Do VLANs need to be set up first?
If VLANs will not be used, or only for optional interfaces, it is typical to
say no here and use the webConfigurator to configure VLANs later, if required.
Should VLANs be set up now [y/n]? y

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7    (up)
em0      c8:7f:54:ce:1a:5b    (up)

Enter the parent interface name for the new VLAN (or nothing if finished): re0
Enter the VLAN tag (1-4094): 10

```

Appuyer sur Entrer pour Skip

```

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

Enter an option: 1

Valid interfaces are:
re0      b4:b0:24:ca:5d:87 (down) RealTek 8168 Gigabit Ethernet
igb0     3c:49:37:19:6f:d6 (down) Intel(R) PRO/1000 82575EB (Copper)
igb1     3c:49:37:19:6f:d7 (down) Intel(R) PRO/1000 82575EB (Copper)
em0      c8:7f:54:ce:1a:5b    (up) AHCI enclosure management bridge

Do VLANs need to be set up first?
If VLANs will not be used, or only for optional interfaces, it is typical to
say no here and use the webConfigurator to configure VLANs later, if required.
Should VLANs be set up now [y/n]? y

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7    (up)
em0      c8:7f:54:ce:1a:5b    (up)

Enter the parent interface name for the new VLAN (or nothing if finished): re0
Enter the VLAN tag (1-4094): 10

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7    (up)
em0      c8:7f:54:ce:1a:5b    (up)

Enter the parent interface name for the new VLAN (or nothing if finished): ■

```

« Enter the Wan interface name » : « em0 » cae cela correspond à interfaces Wan

```
re0      b4:b0:24:ca:5d:87 (down) RealTek 8168 Gigabit Ethernet
igb0     3c:49:37:19:6f:d6 (down) Intel(R) PRO/1000 82575EB (Copper)
igb1     3c:49:37:19:6f:d7 (down) Intel(R) PRO/1000 82575EB (Copper)
em0      c8:7f:54:ce:1a:5b   (up) AHCI enclosure management bridge

Do VLANs need to be set up first?
If VLANs will not be used, or only for optional interfaces, it is typical to
say no here and use the webConfigurator to configure VLANs later, if required.

Should VLANs be set up now [y/n]? y

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7   (up)
em0      c8:7f:54:ce:1a:5b   (up)

Enter the parent interface name for the new VLAN (or nothing if finished): re0
Enter the VLAN tag (1-4094): 10

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7   (up)
em0      c8:7f:54:ce:1a:5b   (up)

Enter the parent interface name for the new VLAN (or nothing if finished):

VLAN interfaces:
re0.10    VLAN tag 10, parent interface re0
If the names of the interfaces are not known, auto-detection can
be used instead. To use auto-detection, please disconnect all
interfaces before pressing 'a' to begin the process.
Enter the WAN interface name or 'a' for auto-detection
(re0 igb0 igb1 em0 re0.10 or a): em0
```

« Enter the Lan interface name » : re0

```
Should VLANs be set up now [y/n]? y

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7   (up)
em0      c8:7f:54:ce:1a:5b   (up)

Enter the parent interface name for the new VLAN (or nothing if finished)
Enter the VLAN tag (1-4094): 10

VLAN Capable interfaces:
re0      b4:b0:24:ca:5d:87
igb0     3c:49:37:19:6f:d6
igb1     3c:49:37:19:6f:d7   (up)
em0      c8:7f:54:ce:1a:5b   (up)

Enter the parent interface name for the new VLAN (or nothing if finished)

VLAN interfaces:
re0.10    VLAN tag 10, parent interface re0
If the names of the interfaces are not known, auto-detection can
be used instead. To use auto-detection, please disconnect all
interfaces before pressing 'a' to begin the process.
Enter the WAN interface name or 'a' for auto-detection
(re0 igb0 igb1 em0 re0.10 or a): em0
Enter the LAN interface name or 'a' for auto-detection
NOTE: this enables full Firewalling/NAT mode.
(re0 igb0 igb1 re0.10 a or nothing if finished): re0
```

« Enter the Optional 1 interface name » : re0 .10

```
VLAN Capable interfaces:  
re0      b4:b0:24:ca:5d:87  
igb0     3c:49:37:19:6f:d6  
igb1     3c:49:37:19:6f:d7    (up)  
em0      c8:7f:54:ce:1a:5b    (up)  
  
Enter the parent interface name for the new VLAN (or nothing if finished):  
Enter the VLAN tag (1-4094): 10  
  
VLAN Capable interfaces:  
re0      b4:b0:24:ca:5d:87  
igb0     3c:49:37:19:6f:d6  
igb1     3c:49:37:19:6f:d7    (up)  
em0      c8:7f:54:ce:1a:5b    (up)  
  
Enter the parent interface name for the new VLAN (or nothing if finished):  
  
VLAN interfaces:  
re0.10          VLAN tag 10, parent interface re0  
  
If the names of the interfaces are not known, auto-detection can  
be used instead. To use auto-detection, please disconnect all  
interfaces before pressing 'a' to begin the process.  
  
Enter the WAN interface name or 'a' for auto-detection  
(re0 igb0 igb1 em0 re0.10 or a): em0  
  
Enter the LAN interface name or 'a' for auto-detection  
NOTE: this enables full Firewalling/NAT mode.  
(re0 igb0 igb1 re0.10 a or nothing if finished): re0  
  
Enter the Optional 1 interface name or 'a' for auto-detection  
(igb0 igb1 re0.10 a or nothing if finished): re0.10
```

Appuyer « Entrer »

```
VLAN Capable interfaces:  
re0      b4:b0:24:ca:5d:87  
igb0     3c:49:37:19:6f:d6  
igb1     3c:49:37:19:6f:d7    (up)  
em0      c8:7f:54:ce:1a:5b    (up)  
  
Enter the parent interface name for the new VLAN (or nothing if finished)  
Enter the VLAN tag (1-4094): 10  
  
VLAN Capable interfaces:  
re0      b4:b0:24:ca:5d:87  
igb0     3c:49:37:19:6f:d6  
igb1     3c:49:37:19:6f:d7    (up)  
em0      c8:7f:54:ce:1a:5b    (up)  
  
Enter the parent interface name for the new VLAN (or nothing if finished)  
  
VLAN interfaces:  
re0.10          VLAN tag 10, parent interface re0  
  
If the names of the interfaces are not known, auto-detection can  
be used instead. To use auto-detection, please disconnect all  
interfaces before pressing 'a' to begin the process.  
  
Enter the WAN interface name or 'a' for auto-detection  
(re0 igb0 igb1 em0 re0.10 or a): em0  
  
Enter the LAN interface name or 'a' for auto-detection  
NOTE: this enables full Firewalling/NAT mode.  
(re0 igb0 igb1 re0.10 a or nothing if finished): re0  
  
Enter the Optional 1 interface name or 'a' for auto-detection  
(igb0 igb1 re0.10 a or nothing if finished): re0.10  
  
Enter the Optional 2 interface name or 'a' for auto-detection  
(igb0 igb1 a or nothing if finished): ■
```

« Do you want to proceed » mettre Y

```
lgb0      3c:49:37:19:6f:d6
lgb1      3c:49:37:19:6f:d7    (up)
em0      c8:7f:54:ce:1a:5b    (up)

Enter the parent interface name for the new VLAN (or nothing if
VLAN interfaces:

re0.10          VLAN tag 10, parent interface re0
If the names of the interfaces are not known, auto-detection can
be used instead. To use auto-detection, please disconnect all
interfaces before pressing 'a' to begin the process.

Enter the WAN interface name or 'a' for auto-detection
(re0 lgb0 lgb1 em0 re0.10 or a): em0
Enter the LAN interface name or 'a' for auto-detection
NOTE: this enables full Firewalling/NAT mode.
(re0 lgb0 lgb1 re0.10 a or nothing if finished): re0
Enter the Optional 1 interface name or 'a' for auto-detection
(lgb0 lgb1 re0.10 a or nothing if finished): re0.10
Enter the Optional 2 interface name or 'a' for auto-detection
(lgb0 lgb1 a or nothing if finished):
The interfaces will be assigned as follows:
WAN  -> em0
LAN  -> re0
OPT1 -> re0.10

Do you want to proceed [y/n]? ■
```

On va appuyer sur 2 pour « Set interface IP adress »

```
re0 lgb0 lgb1 em0 re0.10 or a) for auto-detection
Enter the LAN interface name or 'a' for auto-detection
(re0 lgb0 lgb1 re0.10 a or nothing if finished): re0
Enter the Optional 1 interface name or 'a' for auto-detection
(lgb0 lgb1 re0.10 a or nothing if finished): re0.10
Enter the Optional 2 interface name or 'a' for auto-detection
(lgb0 lgb1 a or nothing if finished):
The interfaces will be assigned as follows:
WAN  -> em0
LAN  -> re0
OPT1 -> re0.10

Do you want to proceed [y/n]? u
Writing configuration...done.
One moment while the settings are reloading... done!
pfSense - Serial: 230216100900817 - Netgate Device ID: e664c2df75424f5236e4
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan)  -> em0  -> v4/DHCP4: 192.168.100.104/24
LAN (lan)  -> re0  -> v4: 192.168.1.1/24
OPT1 (opt1) -> re0.10 ->

 8) 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
 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

Enter an option: ■
```

Maintenant on va configurer les interfaces on va commencer par le Lan donc mettre « 2 »

```
Enter the Optional 1 interface name or 'a' for auto-detection: re0
(ligb0 igb1 re0.10 a or nothing if finished): re0.10
Enter the Optional 2 interface name or 'a' for auto-detection
(ligb0 igb1 a or nothing if finished):
The interfaces will be assigned as follows:
WAN -> em0
LAN -> re0
OPT1 -> re0.10
Do you want to proceed [y/n]? y
Writing configuration...done.
One moment while the settings are reloading... done!
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> re0 -> v4: 192.168.1.1/24
OPT1 (opt1) -> re0.10 ->
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: 2
Available interfaces:
1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)
Enter the number of the interface you wish to configure: ■
```

« Configure IPv4 address Lan interface via DHCP » mettre N

```
WAN -> em0
LAN -> re0
OPT1 -> re0.10

Do you want to proceed [y/n]? y

Initing configuration...done.
One moment while the settings are reloading... done!
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df7542

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

WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> re0 -> v4: 192.168.1.1/24
OPT1 (opt1) -> re0.10 ->

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

Enter an option: 2

Available interfaces:
1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 2
Configure IPv4 address LAN interface via DHCP? (y/n) ■
```

« Enter the new Lan IPv4 address » on met « 10.3.2.1/29 » donc on lui adress au Lan une ip adress

```

OPT1 -> re0.10

Do you want to proceed [y/n]? y

Writing configuration...done.
One moment while the settings are reloading... done!
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f52

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

WAN (wan)    -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)    -> re0      -> v4: 192.168.1.1/24
OPT1 (opt1)  -> re0.10 ->

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: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 2

Configure IPv4 address LAN interface via DHCP? (y/n) n

Enter the new LAN IPv4 address. Press <ENTER> for none:
> 10.3.2.1/29

```

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Appuyer sur Entrer

```

Do you want to proceed [y/n]? y
Writing configuration...done.
One moment while the settings are reloading... done!
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f52
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***

WAN (wan)    -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)    -> re0      -> v4: 192.168.1.1/24
OPT1 (opt1)  -> re0.10 ->

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: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 2

Configure IPv4 address LAN interface via DHCP? (y/n) n

Enter the new LAN IPv4 address. Press <ENTER> for none:
> 10.3.2.1/29

For a WAN, enter the new LAN IPv4 upstream gateway address.
For a LAN, press <ENTER> for none:
> 

```

« Configure IPv6 adress Lan interface via DHCP » N

```

INITING configuration... done.
One moment while the settings are reloading... done!
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424

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

WAN (wan)    -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)    -> re0      -> v4: 192.168.1.1/24
OPT1 (opt1)  -> re0.10  ->

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

Enter an option: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 2
Configure IPv4 address LAN interface via DHCP? (y/n) n
Enter the new LAN IPv4 address. Press <ENTER> for none:
> 10.3.2.1/29

For a WAN, enter the new LAN IPv4 upstream gateway address.
For a LAN, press <ENTER> for none:
>

Configure IPv6 address LAN interface via DHCP6? (y/n) ■

```

Appuyer sur Entrer

```

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

WAN (wan)    -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)    -> re0      -> v4: 192.168.1.1/24
OPT1 (opt1)  -> re0.10  ->

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

Enter an option: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 2
Configure IPv4 address LAN interface via DHCP? (y/n) n
Enter the new LAN IPv4 address. Press <ENTER> for none:
> 10.3.2.1/29

For a WAN, enter the new LAN IPv4 upstream gateway address.
For a LAN, press <ENTER> for none:
>

Configure IPv6 address LAN interface via DHCP6? (y/n) n
Enter the new LAN IPv6 address. Press <ENTER> for none:
> ■

```

« Do you want to enable the DHCP server on Lan ? » N

```

WAN (wan)    -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)    -> re0      -> v4: 192.168.1.1/24
OPT1 (opt1) -> re0.10 ->

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

Enter an option: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 2
Configure IPv4 address LAN interface via DHCP? (y/n) n
Enter the new LAN IPv4 address. Press <ENTER> for none:
> 10.3.2.1/29

For a WAN, enter the new LAN IPv4 upstream gateway address.
For a LAN, press <ENTER> for none:
>

Configure IPv6 address LAN interface via DHCP6? (y/n) n
Enter the new LAN IPv6 address. Press <ENTER> for none:
>

Do you want to enable the DHCP server on LAN? (y/n) n

```

« Do you want to revert to HTTP as the webconfigurator protocol ? » Y

```

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

Enter an option: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 2
Configure IPv4 address LAN interface via DHCP? (y/n) n
Enter the new LAN IPv4 address. Press <ENTER> for none:
> 10.3.2.1/29

For a WAN, enter the new LAN IPv4 upstream gateway address.
For a LAN, press <ENTER> for none:
>

Configure IPv6 address LAN interface via DHCP6? (y/n) n
Enter the new LAN IPv6 address. Press <ENTER> for none:
>

Do you want to enable the DHCP server on LAN? (y/n) n
Disabling IPv4 DHCPD...
Disabling IPv6 DHCPD...

Do you want to revert to HTTP as the webConfigurator protocol? (y/n) n

```

« Enter the number of the interface you wish to configure » mettre 2

```

Selected interface name or 'a' for auto-detection
Enter the LAN interface name or 'a' for auto-detection
NOTE: this enables full Firewalling/NAT mode.
(re0 igb0 igb1 re0.10 a or nothing if finished): re0
Enter the Optional 1 interface name or 'a' for auto-detection
(igb0 igb1 re0.10 a or nothing if finished): re0.10
Enter the Optional 2 interface name or 'a' for auto-detection
(igb0 igb1 a or nothing if finished):
The interfaces will be assigned as follows:
WAN -> em0
LAN -> re0
OPT1 -> re0.10
Do you want to proceed [y/n]? y
Writing configuration...done.
One moment while the settings are reloading... done!
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> re0 -> v4: 192.168.1.1/24
OPT1 (opt1) -> re0.10 ->
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: ■

```

« Enter the number of the interface you wish to configure »

Appuyer sur 3 pour configurer l'interface 3 « OPT1 »

```

Please wait while the changes are saved to LAN...
Reloading filter...
Reloading routing configuration...
DHCPD...
Restarting webConfigurator...

The IPv4 LAN address has been set to 10.3.2.1/29
You can now access the webConfigurator by opening the following URL in your browser:
http://10.3.2.1

Press <ENTER> to continue.
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4
*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> re0 -> v4: 10.3.2.1/29
OPT1 (opt1) -> re0.10 ->

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: 2
Available interfaces:
1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: ■

```

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« Configure IPv4 address OPT1 interface via DHCP ? »

```

The IPv4 LAN address has been set to 10.3.2.1/29
You can now access the webConfigurator by opening the following URL
http://10.3.2.1/
Press <ENTER> to continue.
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424
** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan)    -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)    -> re0      -> v4: 10.3.2.1/29
OPT1 (opt1)  -> re0.10  ->

3) 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: 2

Available interfaces:
- WAN (em0 - dhcp, dhcp6)
- LAN (re0 - static)
- OPT1 (re0.10)

Enter the number of the interface you wish to configure: 3
Configure IPv4 address OPT1 interface via DHCP? (y/n) ■

```

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On va mettre une adresse IPv4 à notre OPT1 : 192.168.10.254/24

```

Reloading filter...                               Press <ENTER> to continue. (y/n) y
Reloading routing configuration...
DHCPD...
Restarting webConfigurator...

The IPv4 LAN address has been set to 10.3.2.1/29
You can now access the webConfigurator by opening the following URL in your web browser
http://10.3.2.1/
Press <ENTER> to continue.
pfSense - Serial: 230216180900817 - Netgate Device ID: e664c2df75424f5236e4
** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***
WAN (wan)    -> em0      -> v4/DHCP4: 192.168.100.104/24
LAN (lan)    -> re0      -> v4: 10.3.2.1/29
OPT1 (opt1)  -> re0.10  ->

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

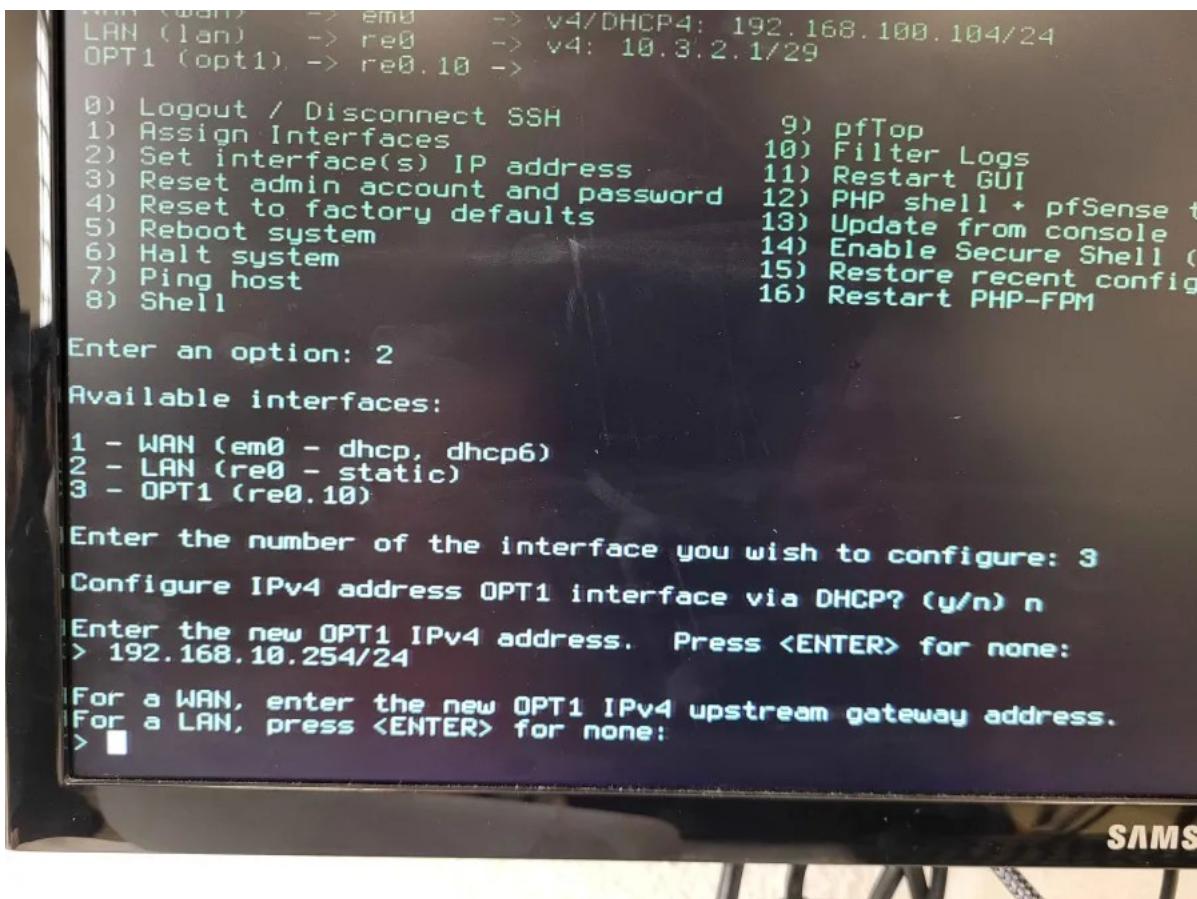
Enter an option: 2

Available interfaces:
1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

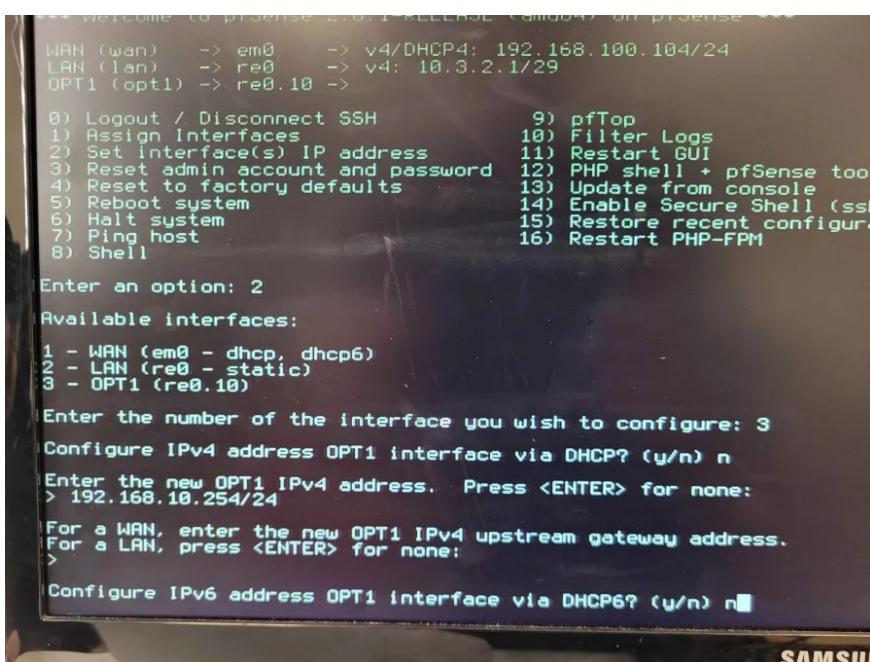
Enter the number of the interface you wish to configure: 3
Configure IPv4 address OPT1 interface via DHCP? (y/n) n
Enter the new OPT1 IPv4 address. Press <ENTER> for none:
> 192.168.10.254■

```

Appuyer sur Entrer



«Configure IPv6 adress OPT1 interface via DHCP6 » N



Appuyer sur Entrer

```

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

WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> re0 -> v4: 10.3.2.1/29
OPT1 (opt1) -> re0.10 ->

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

Enter an option: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 3
Configure IPv4 address OPT1 interface via DHCP? (y/n) n
Enter the new OPT1 IPv4 address. Press <ENTER> for none:
> 192.168.10.254/24

For a WAN, enter the new OPT1 IPv4 upstream gateway address.
For a LAN, press <ENTER> for none:

Configure IPv6 address OPT1 interface via DHCP6? (y/n) n
Enter the new OPT1 IPv6 address. Press <ENTER> for none:
> █
```

« Do you want to enable the DHCP server on OPT1 ? » N

```

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

WAN (wan) -> em0 -> v4/DHCP4: 192.168.100.104/24
LAN (lan) -> re0 -> v4: 10.3.2.1/29
OPT1 (opt1) -> re0.10 ->

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

Enter an option: 2

Available interfaces:

1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (re0 - static)
3 - OPT1 (re0.10)

Enter the number of the interface you wish to configure: 3
Configure IPv4 address OPT1 interface via DHCP? (y/n) n
Enter the new OPT1 IPv4 address. Press <ENTER> for none:
> 192.168.10.254/24

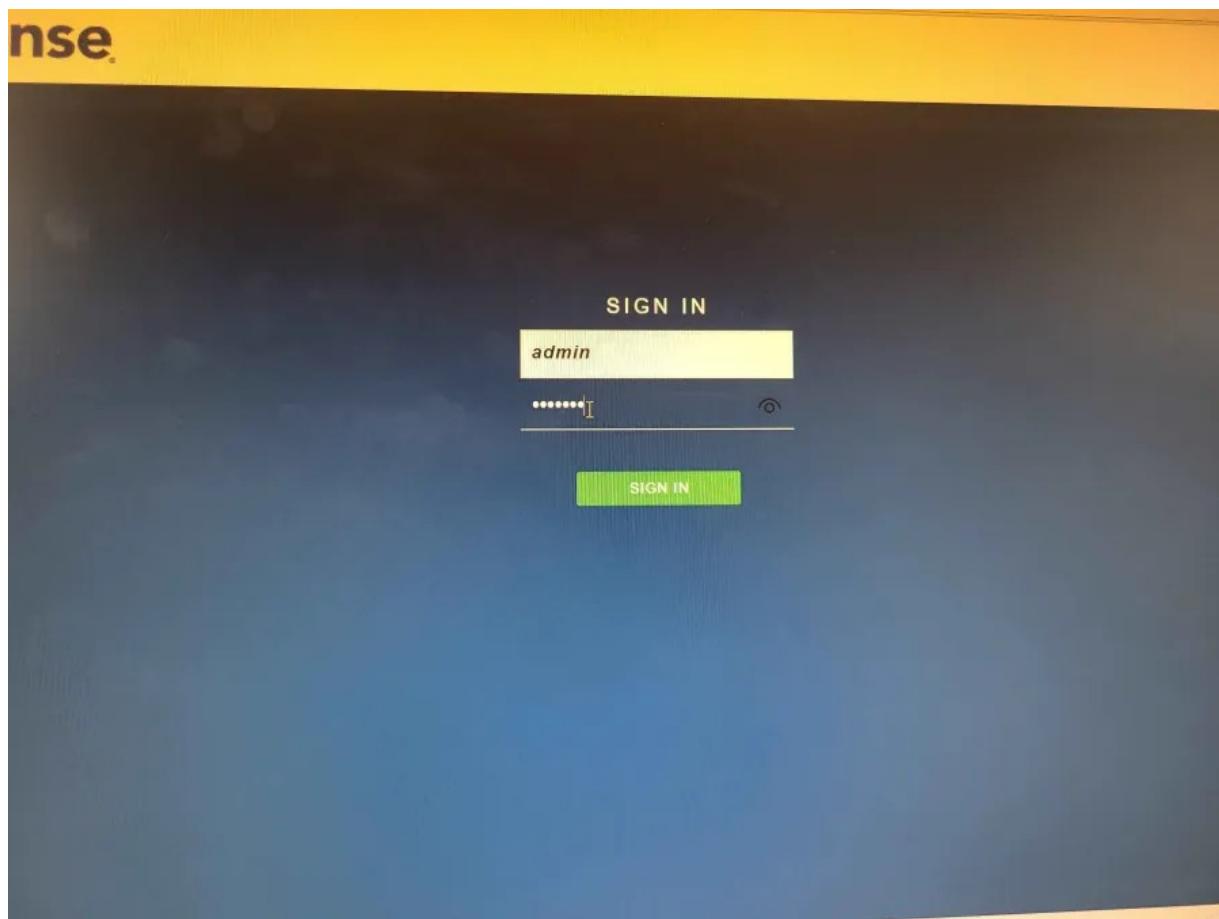
For a WAN, enter the new OPT1 IPv4 upstream gateway address.
For a LAN, press <ENTER> for none:

Configure IPv6 address OPT1 interface via DHCP6? (y/n) n
Enter the new OPT1 IPv6 address. Press <ENTER> for none:
> █

Do you want to enable the DHCP server on OPT1? (y/n) n█
```

FIN

Se connecter au Pfsense



A screenshot of the pfsense web interface showing the 'Interfaces / WAN' configuration page. The top navigation bar has 'Interfaces' highlighted. The 'General Configuration' section contains fields for 'Enable' (checked), 'Description' (WAN), 'IPv4 Configuration Type' (DHCP), 'IPv6 Configuration Type' (DHCP6), 'MAC Address' (xx:xx:xx:xx:xx:xx), 'MTU' (blank), 'MSS' (blank), and 'Speed and Duplex' (Default). A dropdown menu on the left shows 'WAN' selected. Other options in the dropdown are 'LAN', 'VLAN10', and 'VLAN20'. A note below the MAC address field says: '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.'

décocher les cases « block private networks and loopback addresses » et « block bogon networks » qui se situe tout en bas dans sous l'onglet « reserved networks »

DHCP Client Configuration		
Options	<input type="checkbox"/> Advanced Configuration Use advanced DHCP configuration options.	<input type="checkbox"/> Configuration Override Override the configuration from this file.
Hostname	<input type="text"/>	
	The value in this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).	
Alias IPv4 address	<input type="text"/>	/ 32
	The value in this field is used as a fixed alias IPv4 address by the DHCP client.	
Reject leases from	<input type="text"/>	
	To have the DHCP client reject offers from specific DHCP servers, enter their IP addresses here (separate multiple entries with a comma). This is useful for rejecting leases from cable modems that offer private IP addresses when they lose upstream sync.	
DHCP6 Client Configuration		
Options	<input type="checkbox"/> Advanced Configuration Use advanced DHCPv6 configuration options.	<input type="checkbox"/> Configuration Override Override the configuration from this file.
Use IPv4 connectivity as parent interface	<input type="checkbox"/> Request a IPv6 prefix/information through the IPv4 connectivity link	
Request only an IPv6 prefix	<input type="checkbox"/> Only request an IPv6 prefix, do not request an IPv6 address	
DHCPv6 Prefix Delegation size	<input type="text" value="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	<input type="checkbox"/> Send an IPv6 prefix hint to indicate the desired prefix size for delegation	
Do not wait for a RA	<input type="checkbox"/> Required by some ISPs, especially those not using PPPoE	
Reserved Networks		
Block private networks and loopback addresses	<input checked="" type="checkbox"/>	
	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 (127/8). This option should generally be turned on, unless this network interface resides in such a private address space, too.	
Block bogon networks	<input checked="" type="checkbox"/>	
	Blocks traffic from reserved IP addresses (but not RFC 1918) or not yet assigned by IANA. Bogons are prefixes that should never appear in the Internet routing table, and so should not appear as the source address in any packets received. This option should only be used on external interfaces (WANs), it is not necessary on local interfaces and it can potentially block required local traffic. Note: The update frequency can be changed under System > Advanced, Firewall & NAT settings.	
<input type="button" value="Save"/>		

Rendez-vous dans l'onglet « Advanced » cocher le Protocol « Https » appliquer dans le « TCP port » le port que vous souhaitez mettre (dans notre cas sa sera le 20041)

The screenshot shows the 'webConfigurator' settings page under the 'Advanced' tab. The 'Protocol' section has 'HTTPS (SSL/TLS)' selected (radio button highlighted with a red box). The 'TCP port' field contains '20041' (also highlighted with a red box). Other visible fields include 'SSL/TLS Certificate' set to 'GUI default (6997040db935b)', 'Max Processes' set to '2', and 'WebGUI redirect' with a checked checkbox for 'Disable webConfigurator redirect rule'. The 'HSTS' section is partially visible at the bottom.

Admin Access    Firewall & NAT    Networking    Miscellaneous    System Tunables    Notifications

**webConfigurator**

Protocol     HTTP     HTTPS (SSL/TLS)

SSL/TLS Certificate: GUI default (6997040db935b)

Certificates known to be incompatible with use for HTTPS are not included in this list, such as certificates using incompatible ECDSA curves digest algorithms.

TCP port: 20041

Enter a custom port number for the webConfigurator above to override the default (80 for HTTP, 443 for HTTPS). Changes will take effect immediately after save.

Max Processes: 2

Enter the number of webConfigurator processes to run. This defaults to 2. Increasing this will allow more users/browsers to access the GUI concurrently.

WebGUI redirect:  Disable webConfigurator redirect rule

When this is unchecked, access to the webConfigurator is always permitted even on port 80, regardless of the listening port configured. Check to disable this automatically added redirect rule.

HSTS:  Disable HTTP Strict Transport Security

## Cocher dans le même onglet « Browser http\_ Referer » puis sauvegarder

DNS Rebind Check  Disable DNS Rebinding Checks  
When this is unchecked, the system is protected against DNS Rebinding attacks. This blocks private IP responses from the configured DNS servers. Check this box to disable this protection if it interferes with webConfigurator access or name resolution in the environment.

Alternate Hostnames   
Alternate Hostnames for DNS Rebinding and HTTP\_REFERER Checks. Specify alternate hostnames by which the router may be queried, to bypass the DNS Rebinding Attack checks. Separate hostnames with spaces.

**Browser HTTP\_REFERER**  **Disable HTTP\_REFERER enforcement check**  
When this is unchecked, access to the webConfigurator is protected against HTTP\_REFERER redirection attempts. Check this box to disable this protection if it interferes with webConfigurator access in certain corner cases such as using external scripts to interact with this system. More information on HTTP\_REFERER is available from [Wikipedia](#).

Browser tab text  Display page name first in browser tab  
When this is unchecked, the browser tab shows the host name followed by the current page. Check this box to display the current page followed by the host name.

**Secure Shell**

Secure Shell Server  Enable Secure Shell

SSHd Key Only  Password or Public Key  
When set to Public Key Only, SSH access requires authorized keys and these keys must be configured for each user that has been granted secure shell access. If set to Require Both Password and Public Key, the SSH daemon requires both authorized keys and valid passwords to gain access. The default Password or Public Key setting allows either a valid password or a valid authorized key to login.

Allow Agent Forwarding  Enables ssh-agent forwarding support.

SSH port   
Note: Leave this blank for the default of 22.

**Login Protection**

Threshold   
Block attackers when their cumulative attack score exceeds threshold. Most attacks have a score of 10.

Blocktime   
Block attackers for initially blocktime seconds after exceeding threshold. Subsequent blocks increase by a factor of 1.5. Attacks are unblocked at random intervals, so actual block times will be longer.

Detection time   
Remember potential attackers for up to detection\_time seconds before resetting their score.

Pass list    
Addresses added to the pass list will bypass login protection.

Add address

**Serial Communications**

Serial Terminal  Enables the first serial port with 115200/B/N/1 by default, or another speed selectable below.  
Note: This will redirect the console output and messages to the serial port. The console menu can still be accessed from the internal video card/keyboard. A null modem serial cable or adapter is required to use the serial console.

Serial Speed    
Allows selection of different speeds for the serial console port.

Primary Console    
Select the preferred console if multiple consoles are present. The preferred console will show pfSense boot script output. All consoles display OS boot messages, console messages, and the console menu.

**Console Options**

Console menu  Password protect the console menu

Ouvrir le port du Proxmox aller dans l'onglet « NAT » et ajouter une règle puis appliquer les modifications tel que sur l'image suivante :

Edit Redirect Entry	
<b>Disabled</b>	<input type="checkbox"/> Disable this rule
<b>No RDR (NOT)</b>	<input type="checkbox"/> Disable redirection for traffic matching this rule This option is rarely needed. Don't use this without thorough knowledge of the implications.
<b>Interface</b>	WAN
Choose which interface this rule applies to. In most cases "WAN" is specified.	
<b>Address Family</b>	IPv4
Select the Internet Protocol version this rule applies to.	
<b>Protocol</b>	TCP/UDP
Choose which protocol this rule should match. In most cases "TCP" is specified.	
<b>Source</b>	<input type="button" value="Display Advanced"/>
<b>Destination</b>	<input type="checkbox"/> Invert match.      WAN address      /      Address/mask Type
<b>Destination port range</b>	Other      20042      Other      20042 From port      Custom      To port      Custom
Specify the port or port range for the destination of the packet for this mapping. The 'to' field may be left empty if only mapping a single port.	
<b>Redirect target IP</b>	Address or Alias      192.168.10.253 Type
Enter the internal IP address of the server on which to map the ports. e.g.: 192.168.1.12 for IPv4 In case of IPv6 addresses, in must be from the same "scope", i.e. It is not possible to redirect from link-local addresses scope (fe80::*) to local scope (::1)	
<b>Redirect target port</b>	Other      8006 Port      Custom

Pour ouvrir ceux du Pfsense , aller dans l'onglet « rules », et appliquer les modifications suivantes :

**Edit Redirect Entry**

<b>Disabled</b>	<input type="checkbox"/> Disable this rule
<b>No RDR (NOT)</b>	<input type="checkbox"/> Disable redirection for traffic matching this rule This option is rarely needed. Don't use this without thorough knowledge of the implications.
<b>Interface</b>	WAN
Choose which interface this rule applies to. In most cases "WAN" is specified.	
<b>Address Family</b>	IPv4
Select the Internet Protocol version this rule applies to.	
<b>Protocol</b>	TCP/UDP
Choose which protocol this rule should match. In most cases "TCP" is specified.	
<b>Source</b>	<a href="#">Display Advanced</a>
<b>Destination</b>	<input type="checkbox"/> Invert match.      WAN address <input type="button" value="..."/> / <input type="button" value="..."/> Type Address/mask
<b>Destination port range</b>	Other <input type="button" value="..."/> 20042 <input type="button" value="..."/> Other <input type="button" value="..."/> 20042 From port Custom To port Custom
Specify the port or port range for the destination of the packet for this mapping. The 'to' field may be left empty if only mapping a single port.	
<b>Redirect target IP</b>	Address or Alias <input type="button" value="..."/> 192.168.10.253 Type Address
Enter the internal IP address of the server on which to map the ports. e.g.: 192.168.1.12 for IPv4 In case of IPv6 addresses, must be from the same "scope", i.e. it is not possible to redirect from link-local addresses scope (fe80::) to local scope (::1)	
<b>Redirect target port</b>	Other <input type="button" value="..."/> 8006 Port Custom
Specify the port on the machine with the IP address entered above. In case of a port range, specify the beginning port of the range (the end port will be calculated automatically). This is usually identical to the "From port" above.	
<b>Description</b>	NAT_Proxmox
A description may be entered here for administrative reference (not parsed).	