

AP - 15

Présenté par :

Yassir Chellik ET Gaetan Bracale

Année 2024 - 2025

1. Prérequis

- La configuration de Pfsense doit être terminée avant d'activer le portail captif.
- La mise en place du Wifi Cisco doit être faite avant les tests d'accès.
- Le portail captif doit être désactivé avant l'installation de la borne Unifi et FreeRadius3.
- La configuration SNMP doit être faite avant l'implémentation du script BASH.

1. Avant toute chose nous avons commencé à écrire le gantt pour indiquer notre avancée

Composantes du projet	Valeur
1 Nom de la société	Menuimetal
2 Numéro du groupe	Groupe 3
3 Membres du groupe	Yassir / Gaetan
4 Responsable du projet	Yassir / Gaetan
5 Nom du projet	AP - 9 Dispositifs de journalisation
6 Date de début	04/03/2025
7 Date de fin	07/03/2025
8 Temp disponible en heure	Une semaine de TP soit 16 heures
9 Total des heures affectées	0

Tâches ou WBS					
Lettre	Ap - 15 Installation et configuration de Pfsense avec portail captif et authentification WiFi	Jour et heure de début	Antécédent(s)	Durée en heure	Affectée à
A	1. Création VM SrvPfsense				Yassir / Gaetan
B	2. Installation Pfsense				Yassir / Gaetan
C	3. Configuration portail captif				Yassir / Gaetan
D	4. HTTPS authentification				Yassir / Gaetan
E	5. Mise en place WiFi Cisco				Yassir / Gaetan
F	6. Test accès WiFi				Yassir / Gaetan
G	7. Désactivation portail captif				Yassir / Gaetan
H	8. Branchement borne Unifi				Yassir / Gaetan
I	9. Configuration Unifi Server				Yassir / Gaetan
J	10. Installation FreeRadius3				Yassir / Gaetan
K	11. Configuration SNMP				Yassir / Gaetan
L	12. Implémentation script BASH				Yassir / Gaetan

Colonne I (NE PAS TOUCHER) : formule appliquée pour les heures en vingt-quatrième d'heure =(nb heures/24)

Colonne D : Indiquer une lettre de A à Z
Colonne E : Indiquer le nom de la tâche
Colonne F : Indiquer une date/heure sous le format JJ/MM/AAAA HH:MM:SS
Colonne G : Indiquer les lettre(s) correspondantes à aux tâche(s) antécédente(s)
Colonne H : Indiquer la durée en heure
Colonne J : Indiquer le nom de la personne affectée à la tâche

A faire absolument : Pensez à modifier la date. Pour cela, utilisez le menu dans le champ "Min", il

Ajoutez une série pour commencer à visualiser vos données

Ap - 15 Yassir / Gaetan Installation et configuration de Pf...

2.

Nous allons commencer par créer une nouvelle VM intitulé SrvPfsense et nous allons configurer la carte réseau dans notre VLAN où se situent nos serveurs habituels. Notre VLAN doit notamment avoir un accès vers Internet. Nous allons également ajouter une deuxième carte réseau ; à placer dans le VLAN « internet » et Insérer l'image ISO de Pfsense

Create: Virtual Machine (X)

General OS System Disks CPU Memory Network Confirm

Node:	siopve-grp1	Resource Pool:
VM ID:	2038	
Name:	SrvPfsense	

? Help Advanced Back Next

Create: Virtual Machine (X)

General OS System Disks CPU Memory Network Confirm

Mise en place de l'os sur la vm :

Create: Virtual Machine (X)

General OS System Disks CPU Memory Network Confirm

Use CD/DVD disc image file (iso) Guest OS:

Storage: iso ▼ Type: Linux ▼
ISO image: -RELEASE-amd64.iso ▼ Version: 6.x - 2.6 Kernel ▼

Use physical CD/DVD Drive
 Do not use any media

Le système :

Create: Virtual Machine (X)

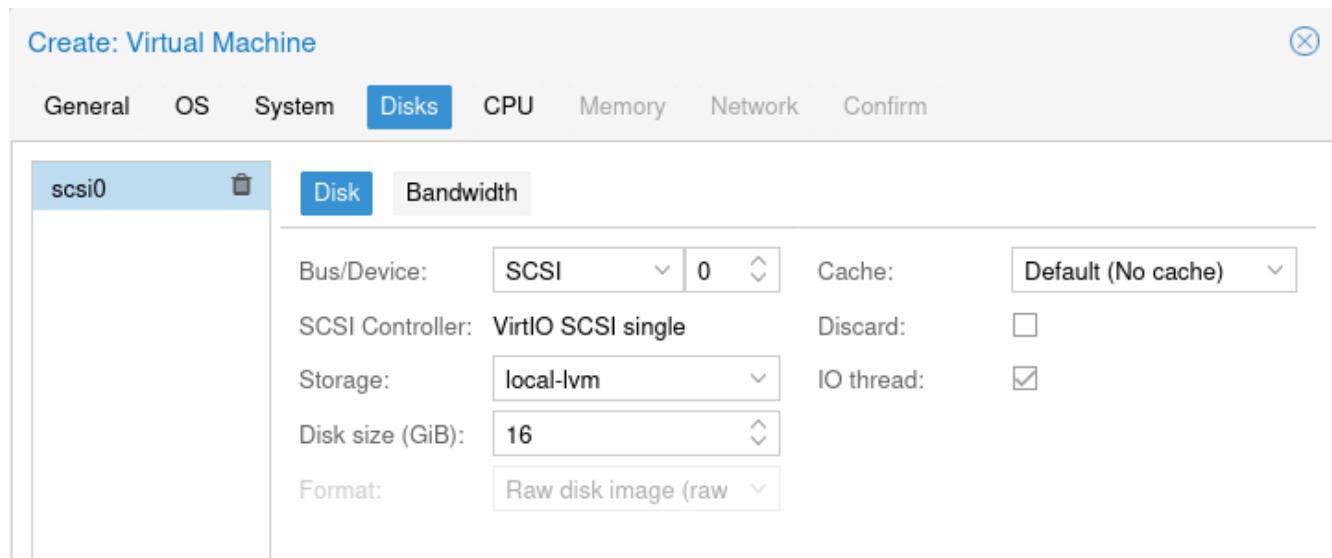
General OS System Disks CPU Memory Network Confirm

Graphic card: Default ▼ SCSI Controller: VirtIO SCSI single ▼
Machine: Default (i440fx) ▼ Qemu Agent:

Firmware

BIOS: Default (SeaBIOS) ▼ Add TPM:

Le disque :



Création de deux cartes réseau, VLAN LAN et Internet.

The screenshot shows two windows side-by-side. On the left is a 'Virtual Machine 2026' configuration window with a sub-modal 'Add: Network Device' dialog. The main window lists hardware components like Memory, Processors, BIOS, Display, Machine, SCSI Controller, CD/DVD Drive, Hard Disk, and Network Devices (net0 and net1). The 'Network Device (net0)' row is selected. The sub-modal dialog shows 'Bridge: vmbr0', 'Model: VirtIO (paravirtualized)', 'VLAN Tag: 434', and 'MAC address: auto'. A 'Firewall:' checkbox is checked. On the right is a 'pfSense Installer' window displaying the 'Copyright and distribution notice' and 'Copyright and Trademark Notices'. It includes notices from ESF (2004-2016) and Netgate (2014-2023), a statement about trademark protection, and a note about the 'pfSense' trademark. At the bottom is a blue button labeled '[Accept]' with a progress bar showing '26%'.

Virtual Machine 2026 (server-graylog) on node 'siopve-grp1' [glpi-agent](#)

Add: Network Device

Bridge: vmbr0 Model: VirtIO (paravirtualized)

VLAN Tag: 434 MAC address: auto

Firewall:

8.2.4 Search [Docu](#)

Summary Add Remove Edit Disk Action Revert

Hardware

- Memory 4.00 GiB
- Processors 1 (1 sockets, 1 cores) [x86-64-v2-AES]
- BIOS Default (SeaBIOS)
- Display Default
- Machine Default (i440fx)
- SCSI Controller VirtIO SCSI single
- CD/DVD Drive (ide2) iso:iso:debian-9.13.0-amd64-netinst.iso,media=cdrom,size=292M
- Hard Disk (scsi0) local-lvm:vm-2026-disk-0,iothread=1,size=32G
- Network Device (net0) virtio=BC:24:11:01:E3:66,bridge=vmbr0,firewall=1,tag=431
- Network Device (net1) virtio=BC:24:11:21:3D:A4,bridge=vmbr0,firewall=1,tag=434

pfSense Installer

Copyright and distribution notice

Copyright and Trademark Notices.

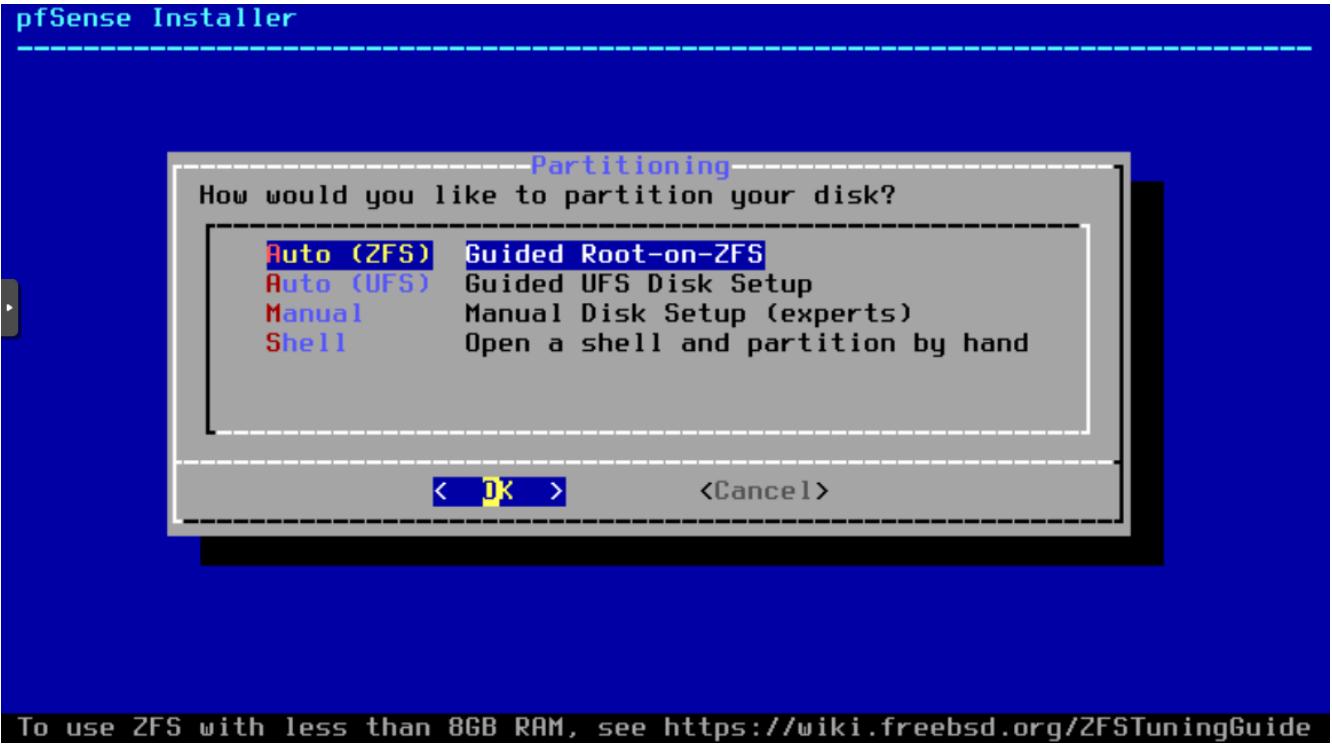
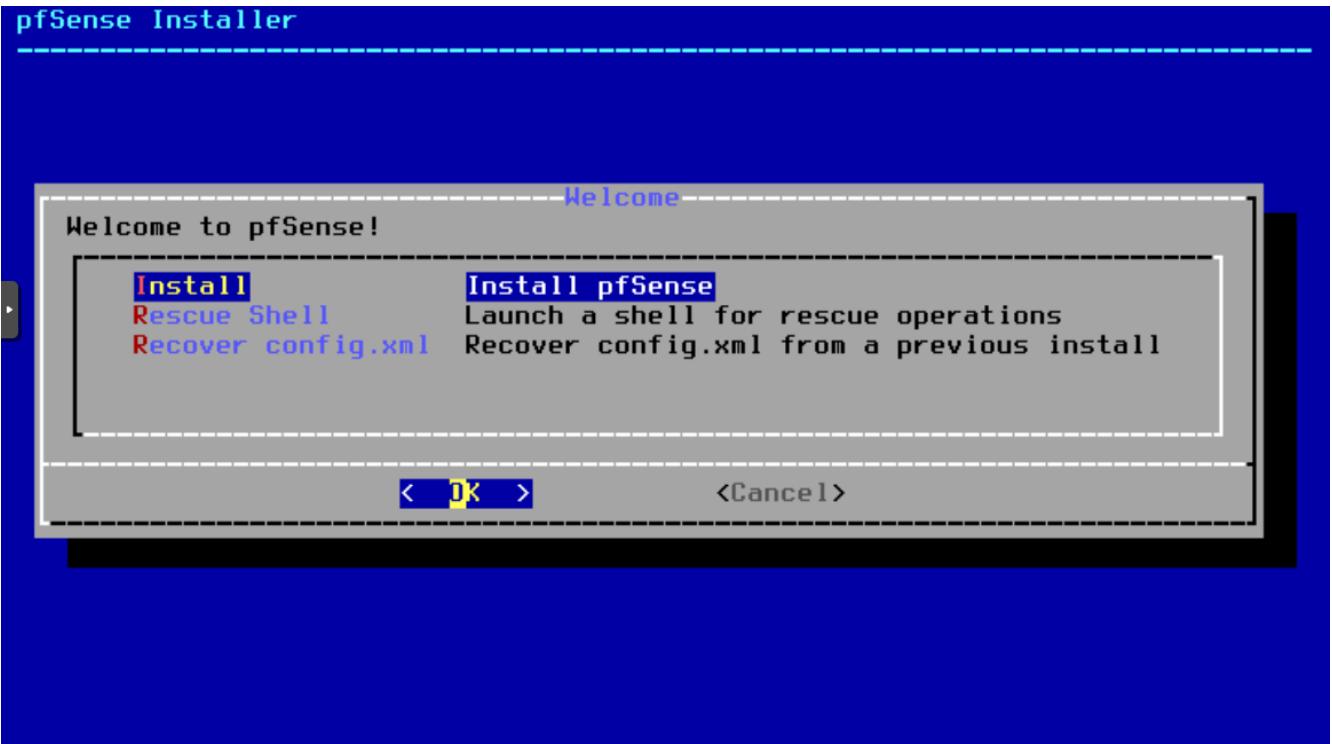
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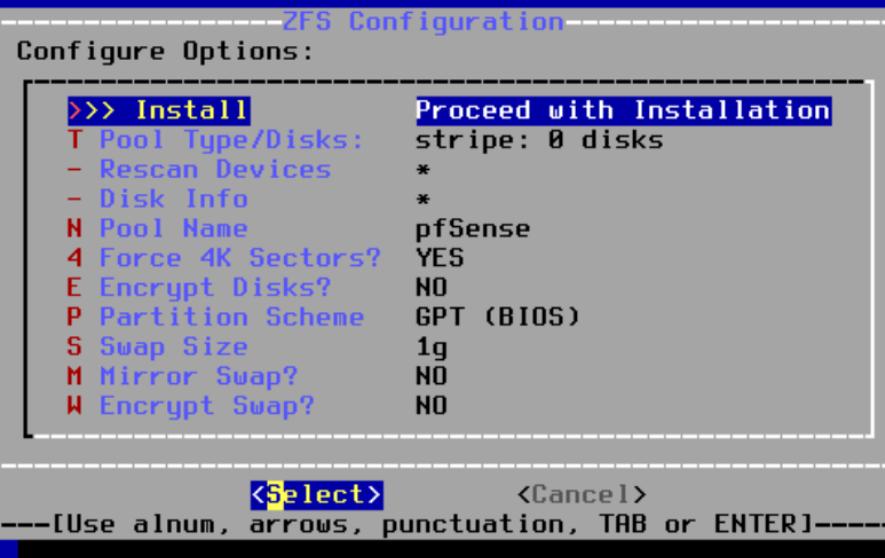
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[Accept] 26%

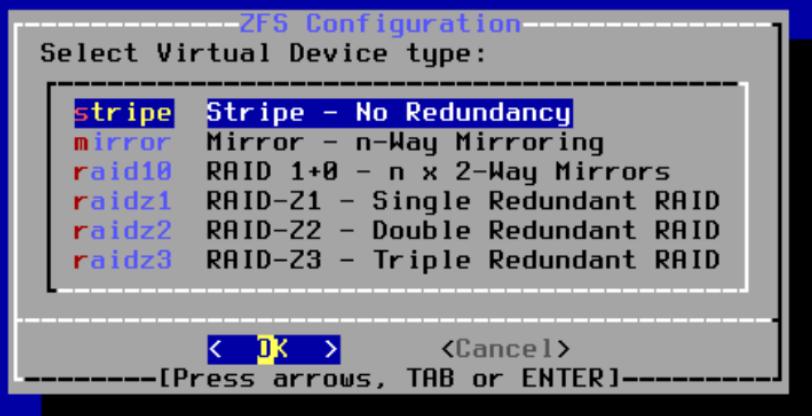


pfSense Installer

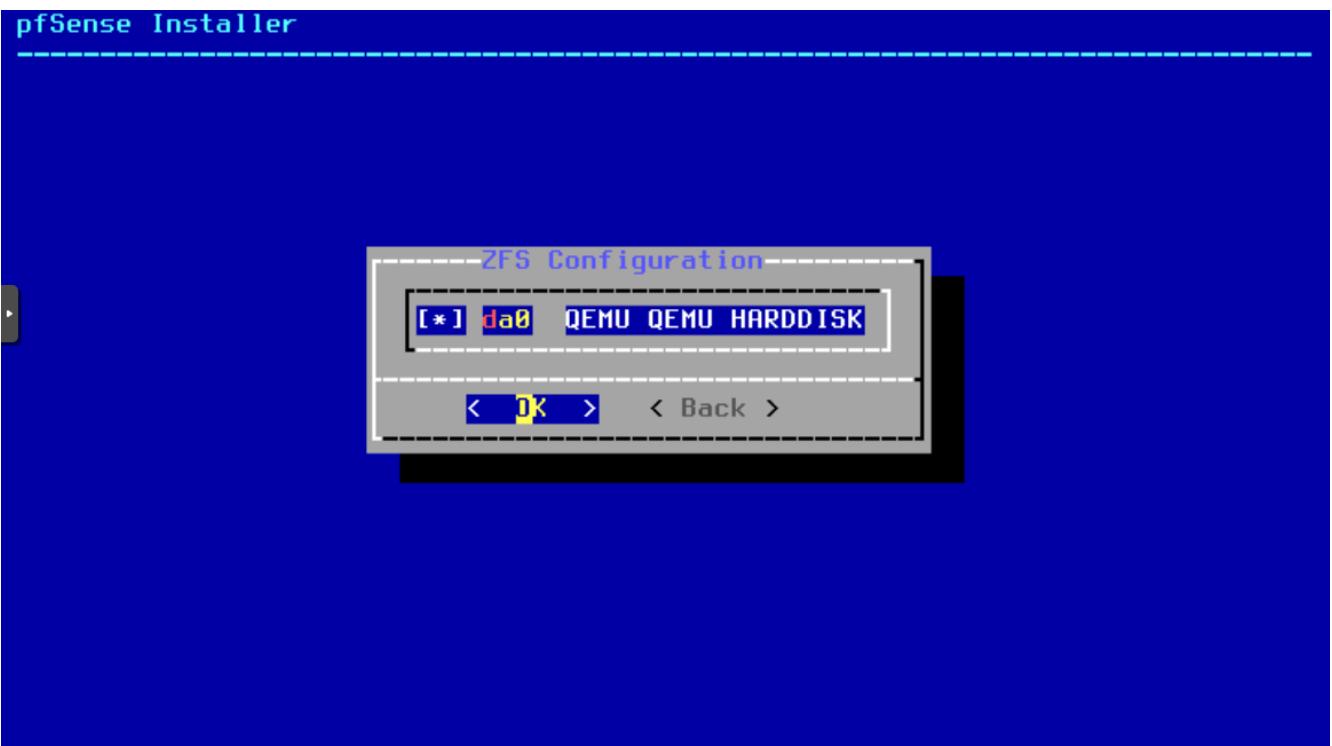
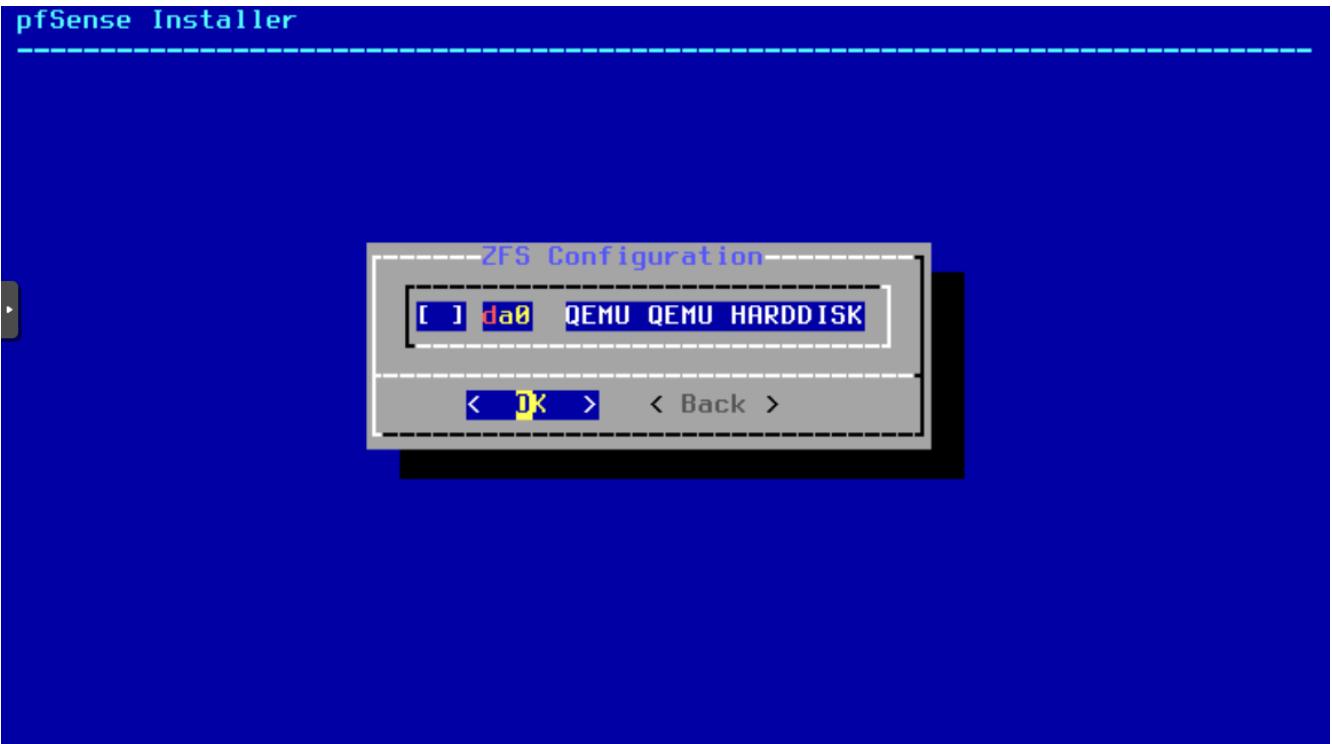


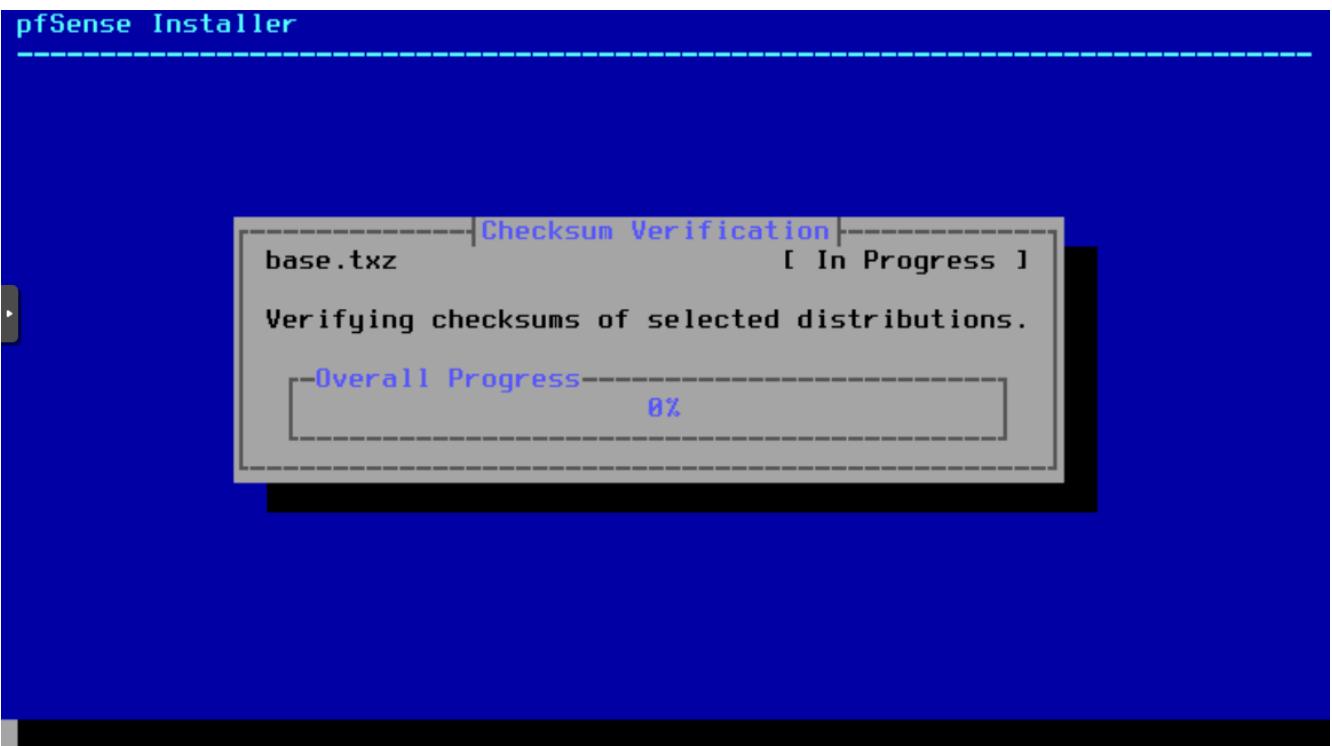
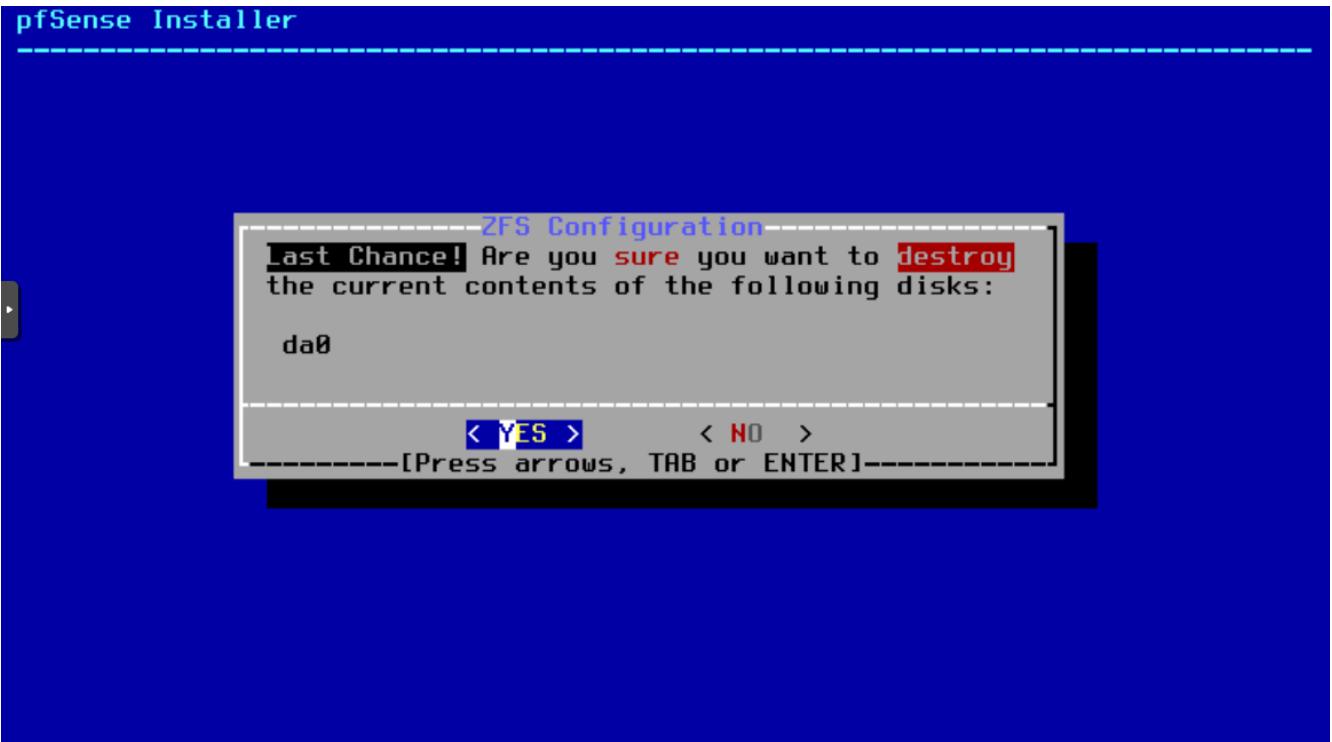
Create ZFS boot pool with displayed options

pfSense Installer

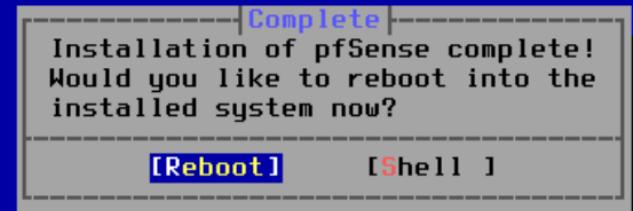


[1+ Disks] Striping provides maximum storage but no redundancy





pfSense Installer



```
SeaBIOS (version rel-1.16.3-0-ga6ed6b701f0a-prebuilt.qemu.org)
Machine UUID cce8f1df-2a26-403a-a851-300a4b86db1b
Booting from Hard Disk...
BIOS drive C: is disk0
```

```
done.  
Initializing..... done.  
Starting device manager (devd)...done.  
Loading configuration....done.  
Updating configuration....done.  
Warning: Configuration references interfaces that do not exist: em0 em1
```

```
Network interface mismatch -- Running interface assignment option.  
vtnet0: link state changed to UP  
vtnet1: link state changed to UP
```

```
Valid interfaces are:
```

```
vtnet0 bc:24:11:6e:10:f2 (down) VirtIO Networking Adapter  
vtnet1 bc:24:11:3d:b7:64 (down) VirtIO Networking Adapter
```

```
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\ln]? 2025-03-04T15:42:37.307035+00:00 - php-fpm 396  
-- /rc.linkup: Ignoring link event during boot sequence.  
2025-03-04T15:42:37.312056+00:00 - php-fpm 395 -- /rc.linkup: Ignoring link eve  
nt during boot sequence.  
[
```

```
done.  
Initializing..... done.  
Starting device manager (devd)...done.  
Loading configuration....done.  
Updating configuration....done.  
Warning: Configuration references interfaces that do not exist: em0 em1
```

```
Network interface mismatch -- Running interface assignment option.  
vtnet0: link state changed to UP  
vtnet1: link state changed to UP
```

```
Valid interfaces are:
```

```
vtnet0 bc:24:11:6e:10:f2 (down) VirtIO Networking Adapter  
vtnet1 bc:24:11:3d:b7:64 (down) VirtIO Networking Adapter
```

```
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\ln]? 2025-03-04T15:42:37.307035+00:00 - php-fpm 396  
-- /rc.linkup: Ignoring link event during boot sequence.  
2025-03-04T15:42:37.312056+00:00 - php-fpm 395 -- /rc.linkup: Ignoring link eve  
nt during boot sequence.  
y[
```

```
vtnet1: link state changed to UP

Valid interfaces are:

vtnet0  bc:24:11:6e:10:f2 (down) VirtIO Networking Adapter
vtnet1  bc:24:11:3d:b7:64 (down) VirtIO Networking Adapter

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]? 2025-03-04T15:42:37.307035+00:00 - php-fpm 396
-- /rc.linkup: Ignoring link event during boot sequence.
2025-03-04T15:42:37.312056+00:00 - php-fpm 395 -- /rc.linkup: Ignoring link eve
nt during boot sequence.
y

VLAN Capable interfaces:

vtnet0  bc:24:11:6e:10:f2    (up)
vtnet1  bc:24:11:3d:b7:64    (up)

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

VLAN Capable interfaces:

vtnet0  bc:24:11:6e:10:f2    (up)
vtnet1  bc:24:11:3d:b7:64    (up)

Enter the parent interface name for the new VLAN (or nothing if finished): █
>
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
(vtnet0 vtnet1 or a): a

Connect the WAN interface now and make sure that the link is up.
Then press ENTER to continue.

No link-up detected.

Enter the WAN interface name or 'a' for auto-detection
(vtnet0 vtnet1 or a): vtnet0 █
```

```
VLAN Capable interfaces:
```

```
vtнет0  bc:24:11:6e:10:f2    (up)
vtнет1  bc:24:11:3d:b7:64    (up)
```

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

```
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
(vtнет0 vtнет1 or a): a
```

```
Connect the WAN interface now and make sure that the link is up.
Then press ENTER to continue.
```

```
No link-up detected.
```

```
Enter the WAN interface name or 'a' for auto-detection
(vtнет0 vtнет1 or a): vtнет0
```

```
Enter the LAN interface name or 'a' for auto-detection
NOTE: this enables full Firewalling/NAT mode.
(vtнет1 a or nothing if finished): vtнет1
```

```
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
(vтнеть0 vtнет1 or a): a
```

```
Connect the WAN interface now and make sure that the link is up.
Then press ENTER to continue.
```

```
No link-up detected.
```

```
Enter the WAN interface name or 'a' for auto-detection
(vтнеть0 vtнет1 or a): vtнет0
```

```
Enter the LAN interface name or 'a' for auto-detection
NOTE: this enables full Firewalling/NAT mode.
(vтнеть1 a or nothing if finished): vtнет1
```

```
The interfaces will be assigned as follows:
```

```
WAN  -> vtнет0
LAN  -> vtнет1
```

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

```
(vtnet1 a or nothing if finished): vtnet1
The interfaces will be assigned as follows:
WAN -> vtnet0
LAN -> vtnet1

Do you want to proceed [y\ln]? y\
Configuring loopback interface...done.
Configuring LAN interface...done.
Configuring WAN interface...done.
Warning: Configuration references interfaces that do not exist: em0 em1
```

Network interface mismatch -- Running interface assignment option.

Valid interfaces are:

```
vtnet0  bc:24:11:6e:10:f2 (down) VirtIO Networking Adapter
vtnet1  bc:24:11:3d:b7:64 (down) VirtIO Networking Adapter
```

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\ln]? ■
```

Configuring LAN interface...done.

Configuring WAN interface...done.

```
Warning: Configuration references interfaces that do not exist: em0 em1
```

Network interface mismatch -- Running interface assignment option.

Valid interfaces are:

```
vtnet0  bc:24:11:6e:10:f2 (down) VirtIO Networking Adapter
vtnet1  bc:24:11:3d:b7:64 (down) VirtIO Networking Adapter
```

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\ln]? y
```

VLAN Capable interfaces:

```
vtnet0  bc:24:11:6e:10:f2    (up)
vtnet1  bc:24:11:3d:b7:64    (up)
```

```
Enter the parent interface name for the new VLAN (or nothing if finished): 431■
```

```
vtnet0  bc:24:11:6e:10:f2  (up)
vtnet1  bc:24:11:3d:b7:64  (up)

Enter the parent interface name for the new VLAN (or nothing if finished): vtnet
0
Enter the VLAN tag (1-4094): 431

VLAN Capable interfaces:
vtnet0  bc:24:11:6e:10:f2  (up)
vtnet1  bc:24:11:3d:b7:64  (up)

Enter the parent interface name for the new VLAN (or nothing if finished): vtnet
1
Enter the VLAN tag (1-4094): 434

VLAN Capable interfaces:
vtnet0  bc:24:11:6e:10:f2  (up)
vtnet1  bc:24:11:3d:b7:64  (up)

Enter the parent interface name for the new VLAN (or nothing if finished): vtne
t1
Enter the VLAN tag (1-4094): 434

VLAN Capable interfaces:
vtnet0  bc:24:11:6e:10:f2  (up)
vtnet1  bc:24:11:3d:b7:64  (up)

Enter the parent interface name for the new VLAN (or nothing if finished): vtne
t0

VLAN interfaces:
vtnet0.431      VLAN tag 431, parent interface vtnet0
vtnet1.434      VLAN tag 434, parent interface vtnet1

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
(vtnet0 vtnet1 vtnet0.431 vtnet1.434 or a):
```

```
Starting device manager (devd)...devd: Can't open devctl device /dev/devctl: Device busy
done.
Loading configuration....done.
Updating configuration...done.
Checking config backups consistency.....done.
Setting up extended sysctls...done.
Setting timezone...done.
Configuring loopback interface...done.
Starting syslog...done.
Setting up interfaces microcode...done.
Removed leftover dhcp6c lock file: /tmp/dhcp6c_lock
Configuring loopback interface...done.
Configuring VLAN interfaces...vlan0: changing name to 'vtnet0.434'
vlan1: changing name to 'vtnet1.431'
done.
Configuring WAN interface...done.
Configuring CARP settings...done.
Syncing OpenVPN settings...done.
Configuring firewall.....done.
Starting PFLOG...done.
Setting up gateway monitors...done.
Setting up static routes...done.
Setting up DNSs...
Starting DNS Resolver...[REDACTED]
```

```
vtnet1.434      VLAN tag 434, parent interface vtnet1
```

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
(vtnet0 vtnet1 vtnet0.434 vtnet1.431 vtnet0.431 vtnet1.434 or a): vtnet0.
```

```
[REDACTED] invalid interface name 'vtnet0.'
```

```
[REDACTED] Enter the WAN interface name or 'a' for auto-detection
(vtnet0 vtnet1 vtnet0.434 vtnet1.431 vtnet0.431 vtnet1.434 or a): vtnet0
```

```
Enter the LAN interface name or 'a' for auto-detection
```

NOTE: this enables full Firewalling/NAT mode.

```
(vtnet1 vtnet0.434 vtnet1.431 vtnet0.431 vtnet1.434 a or nothing if finished):
```

The interfaces will be assigned as follows:

```
WAN -> vtnet0
```

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

```
[REDACTED] y
```

```
3) Reset webConfigurator password      12) PHP shell + pfSense tools
4) Reset to factory defaults          13) Update from console
5) Reboot system                      14) Enable Secure Shell (sshd)
6) Halt system                        15) Restore recent configuration
7) Ping host                          16) Restart PHP-FPM
8) Shell
```

Enter an option:

QEMU Guest - Netgate Device ID: d85c39be769955fdc197

```
** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***
```

WAN (wan) -> vtnet0 ->

```
0) Logout (SSH only)                  9) pfTop
1) Assign Interfaces                 10) Filter Logs
2) Set interface(s) IP address       11) Restart webConfigurator
3) Reset webConfigurator password   12) PHP shell + pfSense tools
4) Reset to factory defaults        13) Update from console
5) Reboot system                     14) Enable Secure Shell (sshd)
6) Halt system                       15) Restore recent configuration
7) Ping host                         16) Restart PHP-FPM
8) Shell
```

Enter an option: ■

```
0) Logout (SSH only)                  9) pfTop
1) Assign Interfaces                 10) Filter Logs
2) Set interface(s) IP address       11) Restart webConfigurator
3) Reset webConfigurator password   12) PHP shell + pfSense tools
4) Reset to factory defaults        13) Update from console
5) Reboot system                     14) Enable Secure Shell (sshd)
6) Halt system                       15) Restore recent configuration
7) Ping host                         16) Restart PHP-FPM
8) Shell
```

```
Enter an option: 2
```

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

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

Enter the new WAN IPv6 address. Press <ENTER> for none:

>

Disabling IPv4 DHCPD...

Disabling IPv6 DHCPD...

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

Please wait while the changes are saved to WAN...■

```
QEMU Guest - Netgate Device ID: d85c39be769955fdc197
```

```
*** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***
```

```
WAN (wan)      -> vtnet0      ->
LAN (lan)      -> vtnet1      ->

0) Logout (SSH only)          9) pfTop
1) Assign Interfaces          10) Filter Logs
2) Set interface(s) IP address 11) Restart webConfigurator
3) Reset webConfigurator password 12) PHP shell + pfSense tools
4) Reset to factory defaults   13) Update from console
5) Reboot system               14) Enable Secure Shell (sshd)
6) Halt system                 15) Restore recent configuration
7) Ping host                   16) Restart PHP-FPM
8) Shell
```

```
Enter an option: 2
```

```
Available interfaces:
```

```
1 - WAN (vtnet0 - dhcp)
2 - LAN (vtnet1)
```

```
Enter the number of the interface you wish to configure: 1
```

```
Reloading filter...
Reloading routing configuration...
DHCPD...
```

```
The IPv4 WAN address has been set to 192.168.11.44/24
```

```
Press <ENTER> to continue.
```

```
QEMU Guest - Netgate Device ID: d85c39be769955fdc197
```

```
** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***
```

```
WAN (wan)      -> vtnet0      -> v4: 192.168.11.44/24
LAN (lan)      -> vtnet1      ->

0) Logout (SSH only)          9) pfTop
1) Assign Interfaces          10) Filter Logs
2) Set interface(s) IP address 11) Restart webConfigurator
3) Reset webConfigurator password 12) PHP shell + pfSense tools
4) Reset to factory defaults   13) Update from console
5) Reboot system               14) Enable Secure Shell (sshd)
6) Halt system                 15) Restore recent configuration
7) Ping host                   16) Restart PHP-FPM
8) Shell
```

```
Enter an option: 1
```

```
*** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***

WAN (wan)      -> vtnet0      -> v4: 192.168.11.44/24
LAN (lan)      -> vtnet1      ->

0) Logout (SSH only)          9) pfTop
1) Assign Interfaces          10) Filter Logs
2) Set interface(s) IP address 11) Restart webConfigurator
3) Reset webConfigurator password 12) PHP shell + pfSense tools
4) Reset to factory defaults   13) Update from console
5) Reboot system               14) Enable Secure Shell (sshd)
6) Halt system                 15) Restore recent configuration
7) Ping host                   16) Restart PHP-FPM
8) Shell

Enter an option: 2

Available interfaces:

1 - WAN (vtnet0 - static)
2 - LAN (vtnet1)

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

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

6) Halt system                  15) Restore recent configuration
7) Ping host                     16) Restart PHP-FPM
8) Shell

Enter an option: 2

Available interfaces:

1 - WAN (vtnet0 - static)
2 - LAN (vtnet1)

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:
> 192.168.1.1

Subnet masks are entered as bit counts (as in CIDR notation) in pfSense.
e.g. 255.255.255.0 = 24
     255.255.0.0   = 16
     255.0.0.0     = 8

Enter the new LAN IPv4 subnet bit count (1 to 32):
> 24
```

```
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) y  
Enter the start address of the IPv4 client address range: 192.168.1.2  
Enter the end address of the IPv4 client address range: 192.168.1.254  
Disabling IPv6 DHCPD...  
  
Please wait while the changes are saved to LAN...  
Reloading filter...  
Reloading routing configuration...  
DHCPD...  
  
The IPv4 LAN address has been set to 192.168.1.1/24  
You can now access the webConfigurator by opening the following URL in your web  
browser:  
http://192.168.1.1/  
  
Press <ENTER> to continue.
```

Create: Virtual Machine (X)

General OS System Disks CPU Memory Network Confirm

Node:	<input type="text" value="siopve-grp1"/>	Resource Pool:	<input type="text" value="C419-GRP3"/> X ▾
VM ID:	<input type="text" value="2039"/> ▴		
Name:	<input type="text" value="pfsense-client"/>		

? Help Advanced Back Next

Create: Virtual Machine



General OS System Disks CPU Memory Network Confirm

Use CD/DVD disc image file (iso)

Storage: iso

Guest OS:

Type: Linux

ISO image: 3.0-amd64-netinst.iso

Version: 6.x - 2.6 Kernel

Use physical CD/DVD Drive

Do not use any media

Advanced

Back

Next

Edit: Network Device



Bridge:

vmbr0

Model:

VirtIO (paravirtualized)

VLAN Tag:

434

MAC address:

BC:24:11:29:43:2E

Firewall:

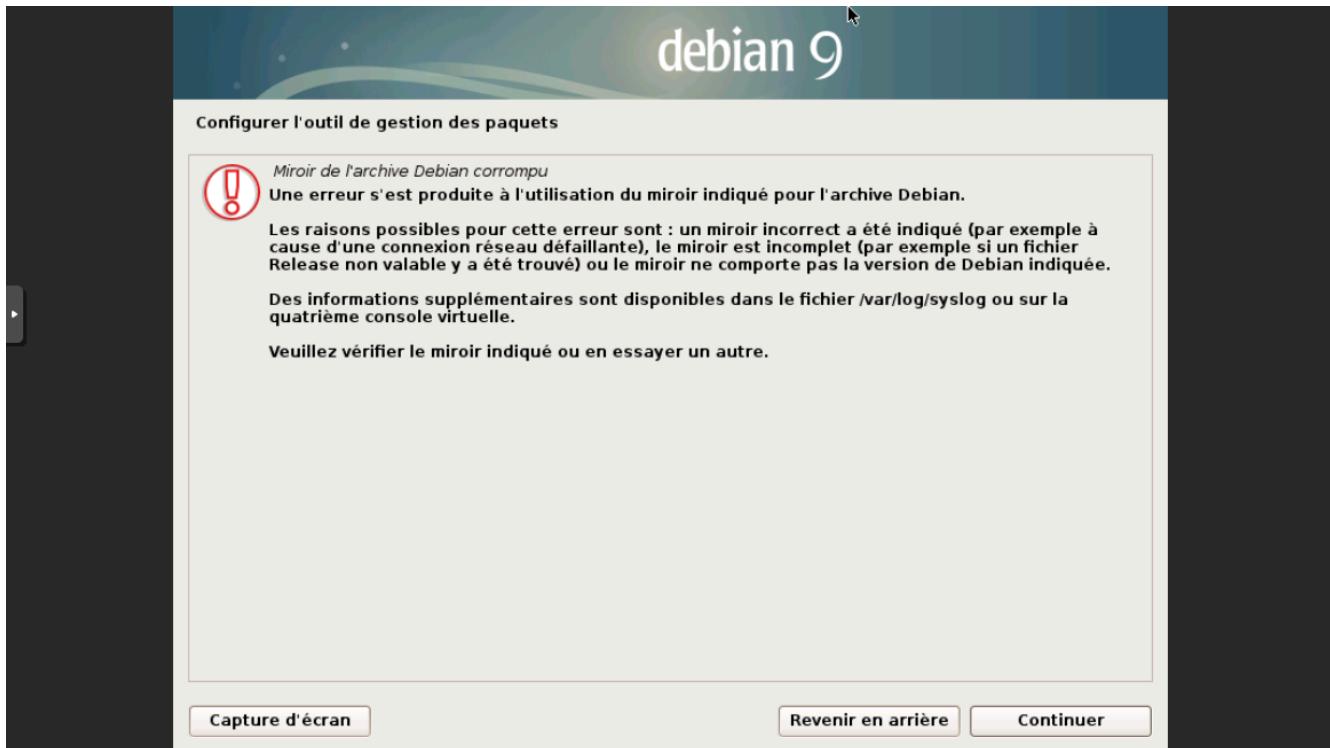


? Help

Advanced

OK





Clone VM 2004

Target node: Target Storage:

VM ID: Format:

Name:

Resource Pool:

Help Clone

Clone VM 2006

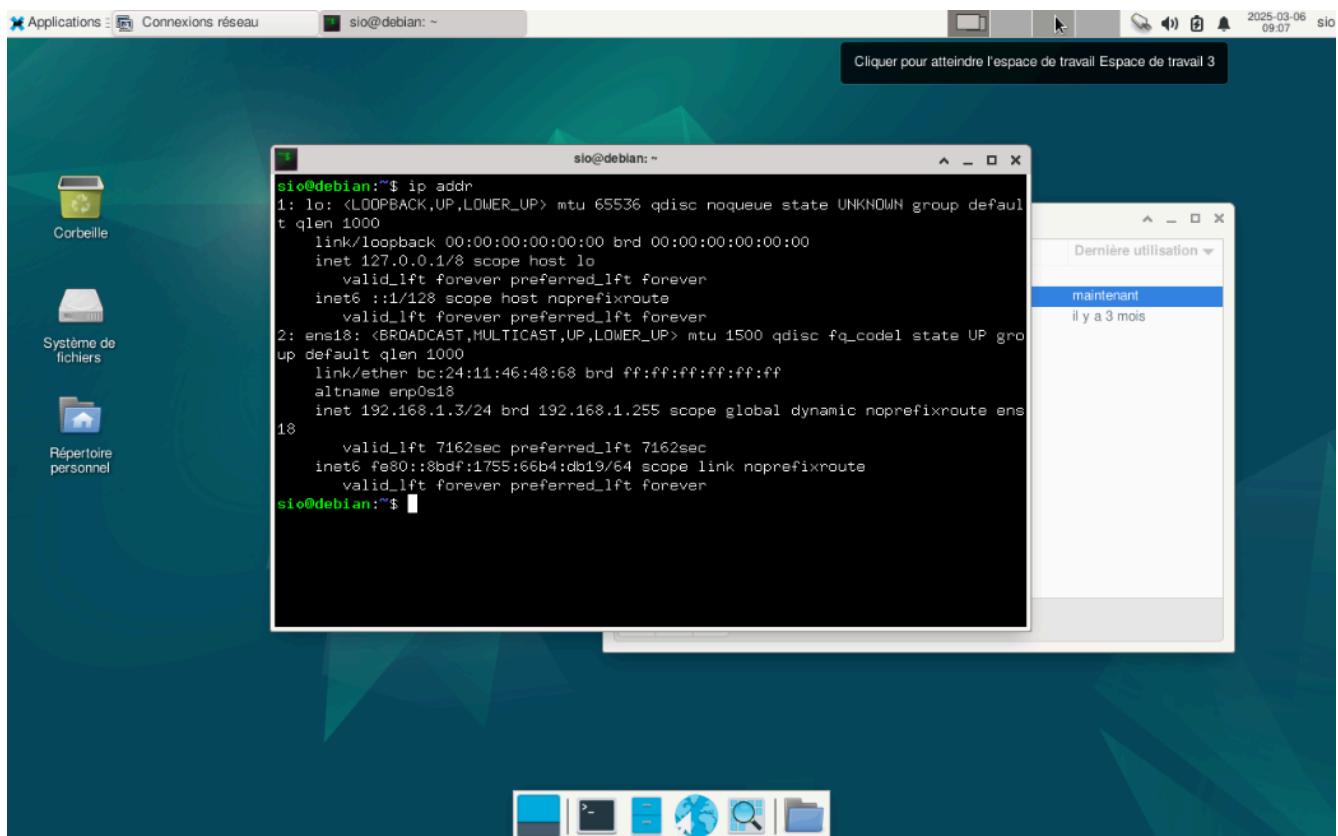
Target node:	siopve-grp1	Target Storage:	local-lvm
VM ID:	2041	Format:	Raw disk image (raw)
Name:	pfSense-client		
Resource Pool:	C419-GRP3		

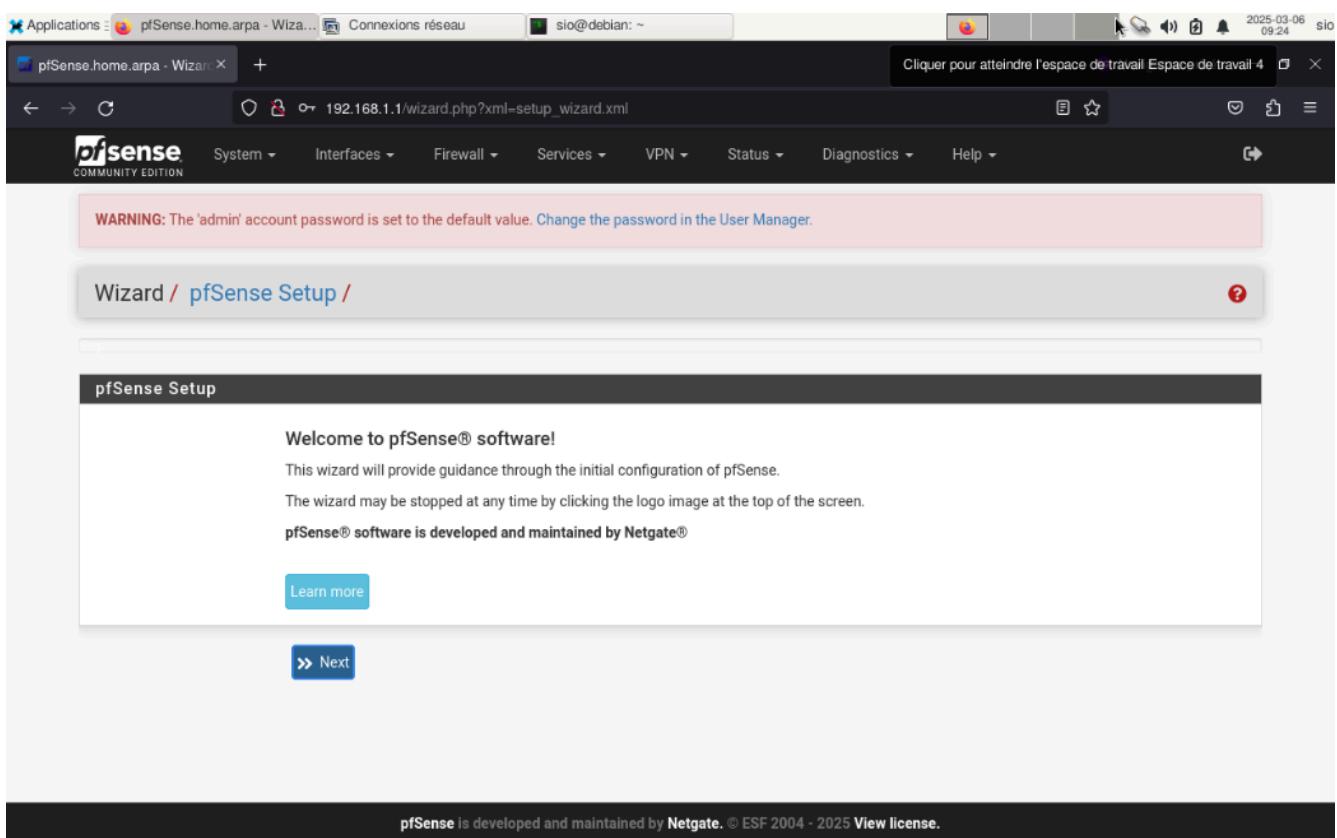
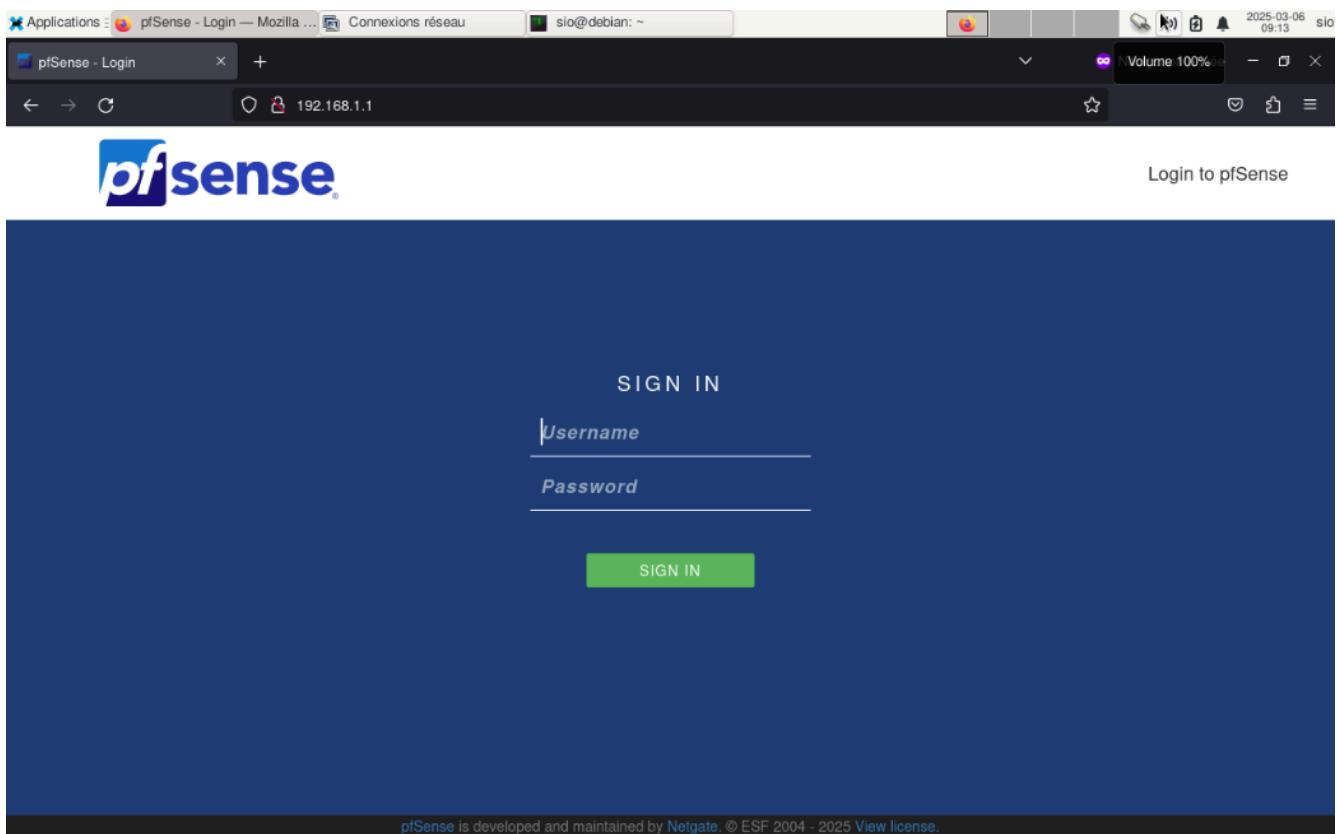
Help **Clone**

Edit: Network Device

Bridge:	vmbro	Model:	VirtIO (paravirtualized)
VLAN Tag:	434	MAC address:	auto
Firewall:	<input type="checkbox"/>		

Help **Advanced** **OK**





The screenshot shows the final step of the pfSense Setup Wizard. The title bar reads "Wizard / pfSense Setup / Wizard completed." A progress bar at the top indicates "Step 9 of 9". The main content area displays a message: "Congratulations! pfSense is now configured." It encourages users to check for updates and provides a "Check for updates" button. Below this, there's a section titled "User survey" with a link to "Anonymous User Survey". At the bottom, there's a "Useful resources" section with links to the product line, store, forum, and newsletter.

The screenshot shows the "Admin Access" tab of the "System / Advanced" configuration page. The "webConfigurator" section is visible, containing settings for the protocol (HTTP or HTTPS), TCP port (80 by default), maximum processes (2 by default), WebGUI redirect (unchecked), OCSP Must-Staple (unchecked), and WebGUI Login Autocomplete (checked). A note below the WebGUI Login Autocomplete setting states: "When this is checked, login credentials for the webConfigurator may be saved by the browser. While convenient, some security standards require this."

System / Advanced / Admin Access

webConfigurator

Protocol	<input type="radio"/> HTTP	<input checked="" type="radio"/> HTTPS (SSL/TLS)
SSL/TLS Certificate	GUI default (67c7229e06196)	
Certificates known to be incompatible with use for HTTPS are not included in this list, such as certificates using incompatible ECDSA curves or weak digest algorithms.		
TCP port	80	
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	<input type="checkbox"/> 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 this box to disable this automatically added redirect rule.		
HSTS	<input type="checkbox"/> Disable HTTP Strict Transport Security	
When this is unchecked, Strict-Transport-Security (HSTS) response header is sent by the webConfigurator to the browser. This will force the browser to		

Attention : risque probable de sécurité

Cliquez pour atteindre l'espace de travail Espace de travail 2

Non sécurisé https://192.168.1.1/system_advanced_admin.php

⚠️ Attention : risque probable de sécurité

Firefox a détecté une menace de sécurité potentielle et n'a pas poursuivi vers **192.168.1.1**. Si vous accédez à ce site, des attaquants pourraient dérober des informations comme vos mots de passe, e-mails, ou données de carte bancaire.

[En savoir plus...](#)

[Retour \(recommandé\)](#)
[Avancé...](#)

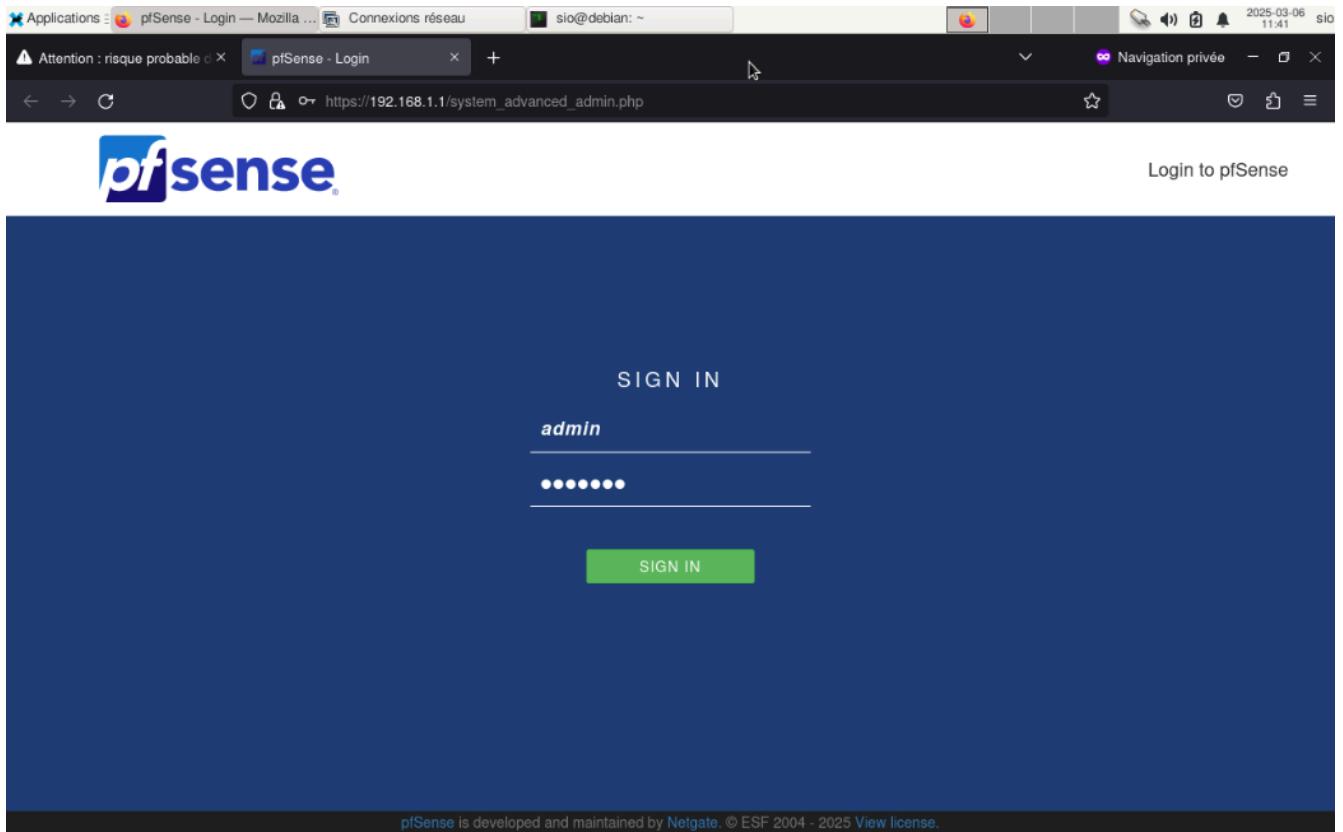
192.168.1.1 utilise un certificat de sécurité invalide.

Le certificat n'est pas sûr car il est auto-signé.

Code d'erreur : [MOZILLA_PKIX_ERROR_SELF_SIGNED_CERT](#)

[Afficher le certificat](#)

[Retour \(recommandé\)](#)
[Accepter le risque et poursuivre](#)



Accueil · Go! Ap - 15 Yassi Boîte de réception Place des serveurs Contenu et + SIO21_YG_V SIO21_YG_V SIO21_YG_V + Navigation privée

https://172.17.0.52:8006/#v1:0=qemu%2F2041:4:4=contentiso::8:54

X PROXMOX Virtual Environment 8.2.4

Server View

- 2012 (CitWindows)
- 2013 (CitWin2)
- 2014 (ravelinuxip)
- 2015 (ServerMail)
- 2016 (winsrv2)
- 2017 (winsrv3)
- 2018 (winsrv4)
- 2019 (svr-rancid)
- 2020 (svr-nagios)
- 2021 (debanctl)
- 2022 (OMV-Debian)
- 2023 (ServerDHCPDebian)
- 2024 (ServerRadius)
- 2025 (server-syslog)
- 2026 (server-graylog)
- 2027 (web-1)
- 2028 (web-2)
- 2029 (web-3)
- 2031 (debianclint-hhr)
- 2032 (mariaadb-2)
- 2033 (ServerHaProxy)
- 2034 (serverhaproxy2)
- 2035 (ClienteWindowsVPN)
- 2037 (OpenVPN-Serv)
- 2038 (SrvPfSense)
- 2041 (pfSense-client)
- 2100 (client)
- iso (siopve-grp1)
- local-lvm (siopve-grp1)
- C419-GRP3

Virtual Machine 2041 (pfSense-client) on node 'siopve-grp1' No Tags

Summary Console Hardware Cloud-Init Options Task History Monitor Backup Replication Snapshots Firewall Permissions

pfSense System Interfaces Firewall Services Status Diagnostics Help

WARNING: The 'admin' account password is set to the default value.

Status / Dashboard

System Information

Name	pfSense.home.arpa
User	admin@192.168.1.10 (Local Database)
System	QEMU Guest Netgate Device ID: db8c39be769955fdc197
BIOS	Vendor: SeaBIOS Version: rel-1.16.3-0-ga6ed6b701f0a-prebuilt Release Date: Tue Apr 1 2014
Version	2.7.2-RELEASE (amd64) built on Wed Dec 6 21:10:00 CET 2023 FreeBSD 14.0-CURRENT
CPU Type	QEMU Virtual CPU version 2.5+ AES-NI CPU Crypto: Yes (inactive) QAT Crypto: No
Hardware crypto	Inactive

The system is on the latest version.
Version information updated at Thu Mar 6 11:49:51 2024 UTC

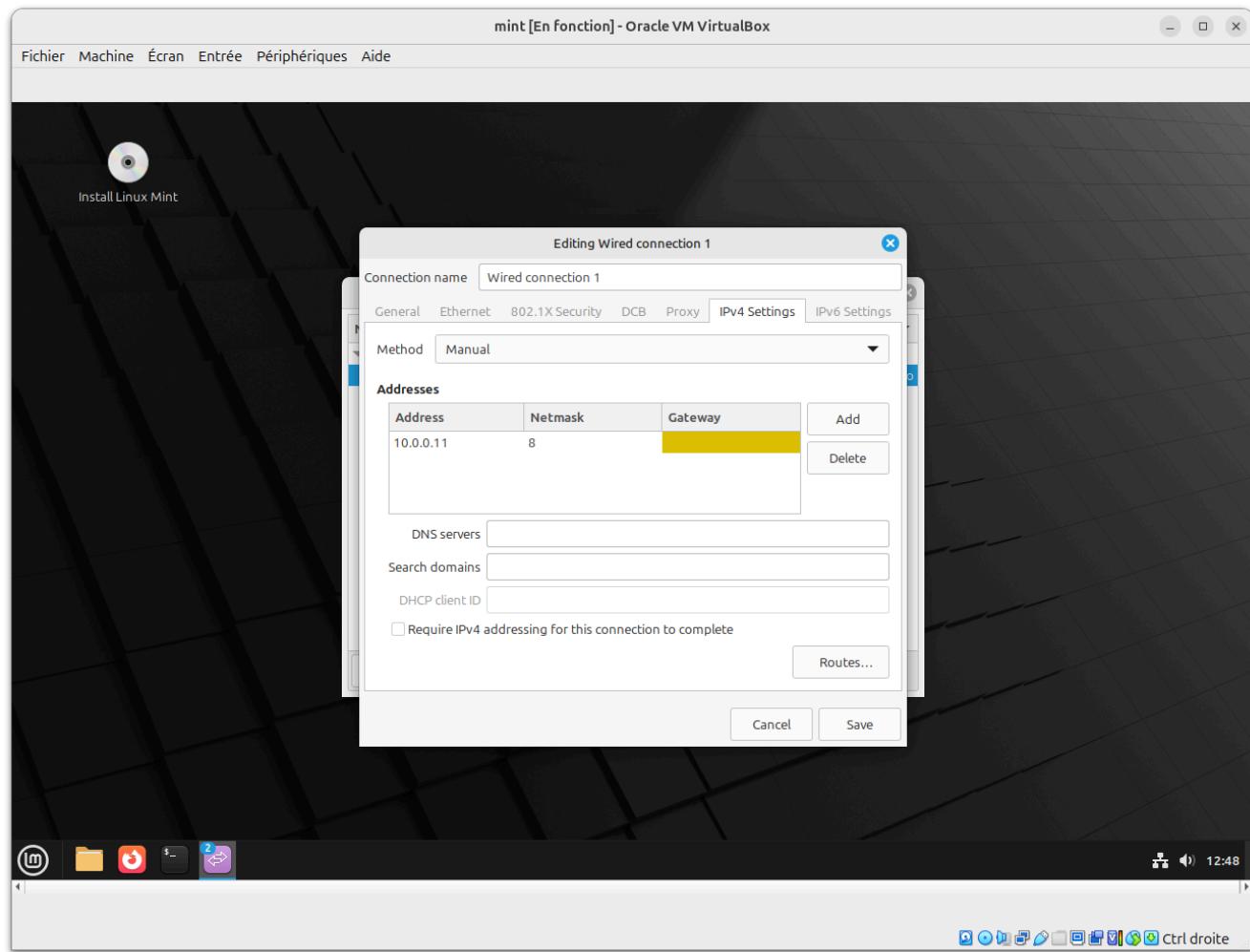
Interfaces

WAN	10GbE-T <full-duplex>	192.168.1.14
LAN	10GbE-T <full-duplex>	192.168.1.1

Documentation Create VM Create CT gbracale@ldv.vinci-melun.org

Start Time ↓ End Time Node User name Description Status

Mar 06 11:50:14		siopve-grp1	gbracale@ldv.vinci...	VM/CT 2041 - Console	
Mar 06 11:50:05	Mar 06 11:50:14	siopve-grp1	gbracale@ldv.vinci...	VM/CT 2038 - Console	OK
Mar 06 11:49:55	Mar 06 11:50:05	siopve-grp1	gbracale@ldv.vinci...	VM/CT 2041 - Console	OK
Mar 06 11:49:51	Mar 06 11:49:55	siopve-grp1	gbracale@ldv.vinci...	VM/CT 2038 - Console	OK
Mar 06 11:48:54	Mar 06 11:49:51	siopve-grp1	gbracale@ldv.vinci...	VM/CT 2041 - Console	OK



Applications pfSense.home.arpa - Status sio@debian: ~

pfSense.home.arpa - Status Erreur de chargement de la page Paramètres

Cliquez pour glisser à l'onglet suivant pfSense.home.arpa - Status: DHCP Leases — Mozilla Firefox 2025-03-06 14:19 sio

https://192.168.1.1/status_dhcp_leases.php

pfSense COMMUNITY EDITION System Interfaces Firewall Services VPN Status Diagnostics Help

WARNING: The 'admin' account password is set to the default value. Change the password in the User Manager.

Status / DHCP Leases

ISC DHCP has reached end-of-life and will be removed in a future version of pfSense. Visit [System > Advanced > Networking](#) to switch DHCP backend.

Search

Search Term All

Enter a search string or *nix regular expression to filter entries.

Leases

IP Address	MAC Address	Hostname	Description	Start	End	Actions
192.168.1.11	00:1b:53:1a:35:36	ap		2025/03/06 13:12:33	2025/03/06 15:12:33	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
192.168.1.10	bc:24:11:46:48:68	debian		2025/03/06 12:48:30	2025/03/06 14:48:30	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Lease Utilization

Interface	Pool Start	Pool End	Used	Capacity	Utilization
LAN	192.168.1.10	192.168.1.245	2	236	0% of 236

Applications Erreur de chargement de la... sio@debian: ~

pfSense.home.arpa - Status Erreur de chargement de la page Paramètres

Cliquez pour atteindre l'espace de travail Espace de travail 3

2025-03-06 14:20 sio

192.168.1.11

La connexion

Le site vous demande de vous connecter.

Nom d'utilisateur

Mot de passe

Connexion Annuler

Une erreur est survenue

- Le site est peut-être temporairement indisponible ou surchargé. Réessayez plus tard ;
- Si vous n'arrivez à naviguer sur aucun site, vérifiez la connexion au réseau de votre ordinateur ;
- Si votre ordinateur ou votre réseau est protégé par un pare-feu ou un proxy, assurez-vous que Firefox est autorisé à accéder au Web.

Réessayer

Cisco IOS Series AP - Ho... sio@debian: ~

pfSense.home.arpa - Status X Erreur de chargement de la page Paramètres X Cisco IOS Series AP - Home X Ordinateur

192.168.1.11

Cisco Aironet 1100 Series Access Point

Hostname: ap ap uptime is 1 minute

Home: Summary Status

Association

Clients: 0 Repeaters: 0

Network Identity

IP Address: 192.168.1.11
MAC Address: 001b.531a.3536

Network Interfaces

Interface	MAC Address	Transmission Rate
FastEthernet0	001b.531a.3536	100Mb/s
Radio0-802.11G	001b.53b9.f230	54.0Mb/s

Event Log

Time	Severity	Description
Mar 1 00:00:39.662	Information	Interface BVI1 assigned DHCP address 192.168.1.11, mask 255.255.255.0, hostname ap
Mar 1 00:00:31.529	Notification	Line protocol on Interface BVI1, changed state to up
Mar 1 00:00:30.576	Notification	SNMP agent on host ap is undergoing a cold start
Mar 1 00:00:30.576	Notification	System restarted --
Mar 1 00:00:27.437	Notification	Line protocol on Interface Dot11Radio0, changed state to down
Mar 1 00:00:26.437	Notification	Interface Dot11Radio0, changed state to administratively down
Mar 1 00:00:09.350	Notification	Line protocol on Interface FastEthernet0, changed state to up

En attente de 192.168.1.11...

Cisco IOS Series AP - Home sio@debian: ~

pfSense.home.arpa - Services X pfSense.home.arpa - Services X Cisco IOS Series AP - Network X +

https://192.168.1.1/services_dnsmasq.php

pfSense COMMUNITY EDITION

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

WARNING: The 'admin' account password is set to the default value. Change the password in the User Manager.

Services / DNS Forwarder

The DNS forwarder configuration has been changed.
The changes must be applied for them to take effect.

Apply Changes

ISC DHCP has reached end-of-life and will be removed in a future version of pfSense. Visit System > Advanced > Networking to switch DHCP backend.

General DNS Forwarder Options

Enable Enable DNS forwarder

DHCP Registration Register DHCP leases in DNS forwarder
If this option is set machines that specify their hostname when requesting a DHCP lease will be registered in the DNS forwarder, so that their name can be resolved. The domain in System: General Setup should also be set to the proper value.

Static DHCP Register DHCP static mappings in DNS forwarder
If this option is set, IPv4 DHCP static mappings will be registered in the DNS forwarder so that their name can be resolved. The domain in System: General Setup should also be set to the proper value.

Prefer DHCP Resolve DHCP mappings first
If this option is set DHCP mappings will be resolved before the manual list of names below. This only affects the name given for a reverse lookup.

Applications pfSense.home.arpa - Service sio@debian: ~

pfSense.home.arpa - Service pfSense.home.arpa - Service Cisco IOS Series AP - Network jeudi 06 mars 2025 14:36

https://192.168.1.1/services_captiveportal.php?zone=groupe_3_portail

pfSense COMMUNITY EDITION System Interfaces Firewall Services VPN Status Diagnostics Help

WARNING: The 'admin' account password is set to the default value. Change the password in the User Manager.

Services / Captive Portal / Groupe_3_Portail / Configuration

Configuration MACs Allowed IP Addresses Allowed Hostnames Vouchers High Availability File Manager

Captive Portal Configuration

Enable	<input checked="" type="checkbox"/> Enable Captive Portal
Description	A description may be entered here for administrative reference (not parsed).
Interfaces	WAN LAN
Select the interface(s) to enable for captive portal.	
Maximum concurrent connections	100
Limits the number of concurrent connections to the captive portal HTTP(S) server. This does not set how many users can be logged in to the captive portal, but rather how many connections a single IP can establish to the portal web server.	
Idle timeout (Minutes)	10
Clients will be disconnected after this amount of inactivity. They may log in again immediately, though. Leave this field blank for no idle timeout.	

Applications pfSense.home.arpa - Service sio@debian: ~

pfSense.home.arpa - Service pfSense.home.arpa - Service Cisco IOS Series AP - Network Cliquer pour atteindre l'espace de travail Espace de travail 3 jeudi 06 mars 2025 14:39

https://192.168.1.1/services_captiveportal_vouchers.php?zone=groupe_3_portail

Ce réseau nécessite que vous vous connectiez à un compte pour utiliser Internet. Afficher la page de connexion du réseau

Voucher Rolls

Roll #	Minutes/Ticket	# of Tickets	Comment	Actions
Create, Generate and Activate Rolls with Vouchers				
<input checked="" type="checkbox"/> Enable the creation, generation and activation of rolls with vouchers				
Create, Generate and Activate Rolls with Vouchers				
Voucher Public Key <pre>-----BEGIN PUBLIC KEY----- MCQwDQYJKoZIhvvcNAQEBBQADeAwEAIJAItCdEm0Kkb/AgMBAE= -----END PUBLIC KEY-----</pre> <p>Paste an RSA public key (64 Bit or smaller) in PEM format here. This key is used to decrypt vouchers. Generate new keys</p>				
Voucher Private Key <pre>-----BEGIN RSA PRIVATE KEY----- MD8CAQACCQCLQnRJtCpG/wIDAQABAggNCDL+dF4fpQIFALX+dcUC BQDD4InzAgUA hSwbQIFAJCo0sCBGbea6Q= -----END RSA PRIVATE KEY-----</pre> <p>Paste an RSA private key (64 Bit or smaller) in PEM format here. This key is only used to generate encrypted vouchers and doesn't need to be available if the vouchers have been generated offline.</p>				
Character set 2345678abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ <p>Tickets are generated with the specified character set. It should contain printable characters (numbers, lower case and upper case letters) that are hard to confuse with others. Avoid e.g. 0/O and I/l.</p>				
# of Roll bits 10				

Applications pfSense.home.arpa - Service sio@debian: ~

pfSense.home.arpa - Service pfSense.home.arpa - Service Cisco IOS Series AP - Network +

https://192.168.1.1/services_captiveportal_vouchers_edit.php?zone=groupe_3_portail

Ce réseau nécessite que vous vous connectez à un compte pour utiliser Internet. Afficher la page de connexion du réseau

pfSense COMMUNITY EDITION

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

WARNING: The 'admin' account password is set to the default value. Change the password in the User Manager.

Services / Captive Portal / Groupe_3_Portail / Vouchers / Edit

Voucher Rolls

Roll #	1
Enter the Roll# (0..1023) found on top of the generated/printed vouchers	
Minutes per ticket	10
Defines the time in minutes that a user is allowed access. The clock starts ticking the first time a voucher is used for authentication.	
Count	10
Enter the number of vouchers (1..1023) found on top of the generated/printed vouchers. WARNING: Changing this number for an existing Roll will mark all vouchers as unused again	
Comment	
Can be used to further identify this roll. Ignored by the system.	

Save

Configuration MACs Allowed IP Addresses Allowed Hostnames **Vouchers** High Availability File Manager

Voucher Rolls

Roll #	Minutes/Ticket	# of Tickets	Comment	Actions
1	10	10		

+ Add

QEMU (pfSense-client) -

https://172.17.0.52:8006/?console=kvm&novnc=1&vmid=2041&vmname=pfSense-client

Applications Firefox LibreOffice 7.4 Connexions réseau

vouchers_groupe_3_portail_roll1.ods

Fichier Édition Affichage Insertion Format Styles Feuille Données Outils Fenêtre Aide

Liberation Sans 10 pt # Voucher Tickets 1..10 for Roll 1

A1 # Voucher Tickets 1..10 for Roll 1

i Vous exécutez pour la première fois la version 7.4 de LibreOffice, voulez-vous en découvrir ce qu'il ya de nouveau ?

	A	B
1	# Voucher Tickets 1..10 for Roll 1	
2	# Nr of Roll Bits 10	
3	# Nr of Ticket Bits 10	
4	# Nr of Checksum Bits 5	
5	# magic initializer 196690456 (38 Bits used)	
6	# Character Set used 2345678abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ	
7	#	
8	Rystnp4PbxC	
9	GGc5YSmdZtc	
10	xKjFwwsr83F	
11	cpqBXRvvTtw	
12	M4FkxLiYtCD	
13	6Vt4HrKPSwp	
14	6uAwwxZKGG3	
15	cvSwLxHAeHS	
16	3pwkhF2zzr8	
17	JDNDvbZHh7m	
18		

Rendre le portail captif disponible, et également avoir y accès sur le téléphone

The screenshot shows the configuration interface for a Cisco Aironet 1100 Series Access Point. The main window title is "Cisco Aironet 1100 Series Access Point". The left sidebar menu includes options like HOME, EXPRESS SET-UP, EXPRESS SECURITY, NETWORK MAP, ASSOCIATION, NETWORK INTERFACES, IP Address, FastEthernet, and Radio0-802.11G (which is currently selected). The main content area displays the "Network Interfaces: Radio0-802.11G Settings" section. It shows the following configuration:

- Enable Radio:** Radio button selected for "Enable".
- Current Status (Software/Hardware):** Shows "Disabled" and "Down".
- Role in Radio Network:** Radio button selected for "Access Point". Other options include "Access Point (Fallback to Radio Shutdown)", "Access Point (Fallback to Repeater)", "Repeater", "Workgroup Bridge", and "Scanner".
- Data Rates:** A table showing data rate requirements:

Data Rate	Best Range	Best Throughput	Default	Action
1.0Mb/sec	<input checked="" type="radio"/> Require	<input type="radio"/> Enable	<input type="radio"/> Disable	
2.0Mb/sec	<input checked="" type="radio"/> Require	<input type="radio"/> Enable	<input type="radio"/> Disable	
5.5Mb/sec	<input checked="" type="radio"/> Require	<input type="radio"/> Enable	<input type="radio"/> Disable	
* 6.0Mb/sec	<input type="radio"/> Require	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	
* 9.0Mb/sec	<input type="radio"/> Require	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	
11.0Mb/sec	<input checked="" type="radio"/> Require	<input type="radio"/> Enable	<input type="radio"/> Disable	
* 12.0Mb/sec	<input type="radio"/> Require	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	
* 18.0Mb/sec	<input type="radio"/> Require	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	
* 24.0Mb/sec	<input type="radio"/> Require	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	
* 36.0Mb/sec	<input type="radio"/> Require	<input type="radio"/> Enable	<input type="radio"/> Disable	