

# RENDU TECHNIQUE DE CERTILAB

# Conf ip

```
FreeBSD/amd64 (CERTILAB.galaxy-swiss2.lan) (ttyv0)
VirtualBox Virtual Machine - Netgate Device ID: 3aa2c58c17896aebde65
*** Welcome to pfSense 2.8.0-RELEASE (amd64) on CERTILAB ***

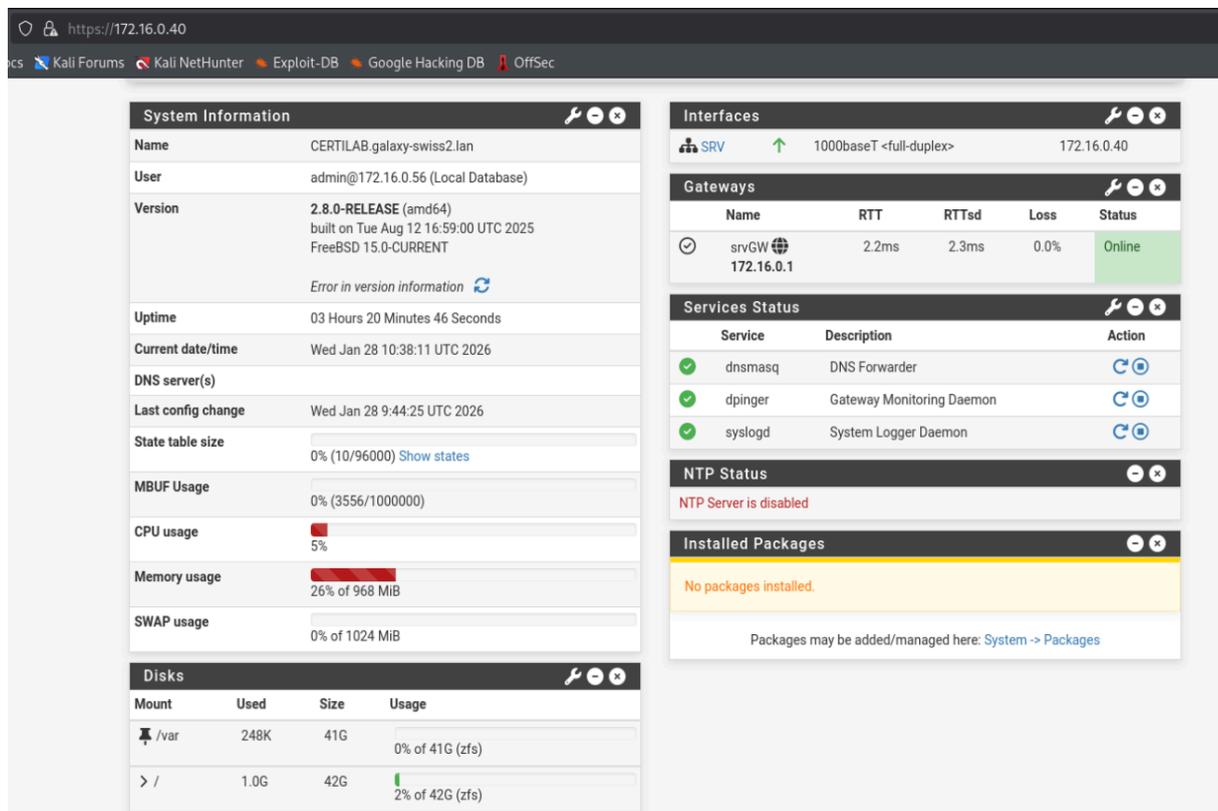
SRV (wan) -> em0 -> v4: 172.16.0.40/17

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:
Message from syslogd@CERTILAB at Feb  3 21:17:01 ...
php-fpm[427]: /diag_ping.php: Successful login for user 'admin' from: 172.16.0.56 (Local Database)
```

# Interface web

Le tableau de bord de pfSense constitue une interface de supervision centrale qui offre une vue détaillée et en temps réel de la santé du système, regroupant des indicateurs essentiels tels que la charge du processeur, l'occupation de la mémoire, les flux de trafic réseau ainsi que le statut opérationnel des différents services.



# Interface

Status / Interfaces   

**SRV Interface (wan, em0)**

Status	up 
MAC Address	08:00:27:10:13:dd
IPv4 Address	172.16.0.40
Subnet mask IPv4	255.255.128.0
Gateway IPv4	172.16.0.1
IPv6 Link Local	fe80::a00:27ff:fe10:13dd%em0
MTU	1500
Media	1000baseT <full-duplex>
In/out packets	739/3055 (84 KiB/772 KiB)
In/out packets (pass)	739/3055 (84 KiB/772 KiB)
In/out packets (block)	12/4 (768 B/296 B)
In/out errors	0/0
Collisions	0

Using dial-on-demand will bring the connection up again if any packet triggers it. To substantiate this point: disconnecting manually will **not** prevent dial-on-demand from making connections to the outside! Don't use dial-on-demand if the line is to be kept disconnected.

# Certificat

Il vérifie l'authenticité des certificats, c'est la racine

The screenshot shows the 'System / Certificates / Authorities' page. It features a search bar with a 'Search term' input, a 'Both' dropdown, and 'Search' and 'Clear' buttons. Below the search bar is a table titled 'Certificate Authorities' with columns: Name, Internal, Issuer, Certificates, Distinguished Name, In Use, and Actions. One entry is visible: 'CA\_galaxy-swiss2' with a checkmark in the 'Internal' column, 'self-signed' issuer, '3' certificates, and a distinguished name 'CN=internal-ca, C=FR'. The validity dates are 'Valid From: Wed, 17 Dec 2025 14:12:12 +0000' and 'Valid Until: Sat, 15 Dec 2035 14:12:12 +0000'. An 'Add' button is at the bottom right.

Name	Internal	Issuer	Certificates	Distinguished Name	In Use	Actions
CA_galaxy-swiss2	✓	self-signed	3	CN=internal-ca, C=FR Valid From: Wed, 17 Dec 2025 14:12:12 +0000 Valid Until: Sat, 15 Dec 2035 14:12:12 +0000		

cs\_certilab / Certificat pour l'interface d'administration webConfigurator

cs\_extralab / Service Web Apache2 sur le serveur EXTRALAB

cs\_proxylab / Service de reverse-proxy HA-Proxy.

The screenshot shows the 'System / Certificates / Certificates' page. It features a search bar with a 'Search term' input, a 'Both' dropdown, and 'Search' and 'Clear' buttons. Below the search bar is a table titled 'Certificates' with columns: Name, Issuer, Distinguished Name, In Use, and Actions. Four entries are visible:

Name	Issuer	Distinguished Name	In Use	Actions
GUI default (66d77e6b76620) Server Certificate CA: No Server: Yes	self-signed	O=pfSense GUI default Self-Signed Certificate, CN=pfSense-66d77e6b76620 Valid From: Tue, 03 Sep 2024 21:23:55 +0000 Valid Until: Mon, 06 Oct 2025 21:23:55 +0000		
CS_CERTILAB User Certificate CA: No Server: No	CA_galaxy-swiss2	CN=CERTILAB.galaxy.swiss2.lan, C=FR Valid From: Wed, 17 Dec 2025 14:12:53 +0000 Valid Until: Sat, 15 Dec 2035 14:12:53 +0000	webConfigurator	
CS_EXTRALAB User Certificate CA: No Server: No	CA_galaxy-swiss2	CN=EXTRALAB.galaxy-swiss2.lan, C=FR Valid From: Wed, 17 Dec 2025 14:17:00 +0000 Valid Until: Sat, 15 Dec 2035 14:17:00 +0000		
CS_PROXYLAB User Certificate CA: No Server: No	CA_galaxy-swiss2	CN=PROXYLAB.galaxy-swiss2.lan, C=FR Valid From: Wed, 17 Dec 2025 14:17:35 +0000 Valid Until: Sat, 15 Dec 2035 14:17:35 +0000		

An 'Add/Sign' button is at the bottom right.