

PROCEDURE INSTALLATION CENTREON

```
root@centreon-deb:~# apt update && apt upgrade -y
Ign :1 cdrom://[Debian GNU/Linux 11.7.0 _Bullseye_ - Official amd64 DVD Binary-1 20230429-11:50] bul
lseye InRelease
Err :2 cdrom://[Debian GNU/Linux 11.7.0 _Bullseye_ - Official amd64 DVD Binary-1 20230429-11:50] bul
lseye Release
  Veuillez utiliser apt-cdrom afin de faire reconnaître ce cédérom par votre APT. apt-get update ne
  peut être employé pour ajouter de nouveaux cédéroms
Atteint :3 http://deb.debian.org/debian bullseye InRelease
Atteint :4 http://deb.debian.org/debian bullseye-updates InRelease
Atteint :5 http://security.debian.org/debian-security bullseye-security InRelease
Lecture des listes de paquets... Fait
E: Le dépôt cdrom://[Debian GNU/Linux 11.7.0 _Bullseye_ - Official amd64 DVD Binary-1 20230429-11:50
] bullseye Release n'a pas de fichier Release.
N: Les mises à jour depuis un tel dépôt ne peuvent s'effectuer de manière sécurisée, et sont donc dé
sactivées par défaut.
N: Voir les pages de manuel d'apt-secure(8) pour la création des dépôts et les détails de configurat
ion d'un utilisateur.
root@centreon-deb:~# _
```

*Après Installation VM Debian 11**

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```
root@centreon-deb:~# apt install lsb-release ca-certificates apt-transport-https software-properties
-common wget gnupg2
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances... Fait
Lecture des informations d'état... Fait
ca-certificates est déjà la version la plus récente (20210119).
lsb-release est déjà la version la plus récente (11.1.0).
wget est déjà la version la plus récente (1.21-1+deb11u1).
apt-transport-https est déjà la version la plus récente (2.2.4).
software-properties-common est déjà la version la plus récente (0.96.20.2-2.1).
gnupg2 est déjà la version la plus récente (2.2.27-2+deb11u2).
0 mis à jour, 0 nouvellement installés, 0 à enlever et 0 non mis à jour.
root@centreon-deb:~# s_
```

```
antoiner@centreon-deb:~$ echo "deb https://packages.sury.org/php/ $(lsb_release -sc) main" | tee /etc/apt/sources.list.d/sury-php.list
deb https://packages.sury.org/php/ bullseye main
root@centreon-deb:~$ s
```

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```
antoine-deb@centreon-deb: ~  
root@centreon-deb:~# wget -O- https://packages.sury.org/php/apt.gpg | gpg --dearmor | tee /etc/apt/trusted.gpg.d/php.gpg > /dev/null 2>&1  
--2023-07-13 13:35:40-- https://packages.sury.org/php/apt.gpg  
Résolution de packages.sury.org (packages.sury.org) : 143.244.56.49, 2400:52e0:1e02::1074:1  
Connexion à packages.sury.org (packages.sury.org)[143.244.56.49]:443... connecté.  
requête HTTP transmise, en attente de la réponse... 200 OK  
Taille : 1769 (1,7K) [application/octet-stream]  
Sauvegarde en : « STDOUT »  
  
100%[=====] 1,73K --.-KB/s ds 0s  
2023-07-13 13:35:40 (7,85 MB/s) - envoi vers sortie standard [1769/1769]  
root@centreon-deb:~#  
  
antoine-deb@centreon-deb: ~  
root@centreon-deb:~# echo "deb https://apt.centreon.com/repository/22.10/ $(lsb_release -sc) main" | tee /etc/apt/sources.list.d/centreon.list
```

PROCEDURE INSTALLATION CENTREON

```
antoine-deb@centreon-deb:~$  
root@centreon-deb:~# wget -O- https://apt-key.centreon.com | gpg --dearmor | tee /etc/apt/trusted.gpg.d/centreon.gpg > /dev/null 2>&1  
--2023-07-13 13:37:38-- https://apt-key.centreon.com/  
Résolution de apt-key.centreon.com (apt-key.centreon.com)... 18.66.26.103, 18.66.26.54, 18.66.26.111, ...  
Connexion à apt-key.centreon.com (apt-key.centreon.com)[18.66.26.103]:443... connecté.  
requête HTTP transmise, en attente de la réponse... 200 OK  
Taille : 664 [text/plain]  
Sauvegarde en : « STDOUT »  
  
100%[=====] 664 --.-KB/s ds 0,001s  
2023-07-13 13:37:38 (1,24 MB/s) - envoi vers sortie standard [664/664]  
root@centreon-deb:~#  
  
antoine-deb@centreon-deb:~$  
root@centreon-deb:~# wget -O- https://apt-key.centreon.com | gpg --dearmor | tee /etc/apt/trusted.gpg.d/centreon.gpg > /dev/null 2>&1  
--2023-07-13 13:37:38-- https://apt-key.centreon.com/  
Résolution de apt-key.centreon.com (apt-key.centreon.com)... 18.66.26.103, 18.66.26.54, 18.66.26.111, ...  
Connexion à apt-key.centreon.com (apt-key.centreon.com)[18.66.26.103]:443... connecté.  
requête HTTP transmise, en attente de la réponse... 200 OK  
Taille : 664 [text/plain]  
Sauvegarde en : « STDOUT »  
  
100%[=====] 664 --.-KB/s ds 0,001s  
2023-07-13 13:37:38 (1,24 MB/s) - envoi vers sortie standard [664/664]  
root@centreon-deb:~# apt update  
Ign :1 cdrom://[Debian GNU/Linux 11.7.0 _Bullseye_ - Official amd64 DVD Binary-1 20230429-11:50] bullseye InRelease  
Err :2 cdrom://[Debian GNU/Linux 11.7.0 _Bullseye_ - Official amd64 DVD Binary-1 20230429-11:50] bullseye Release  
Veuillez utiliser apt-cdrom afin de faire reconnaître ce cdrom par votre APT. apt-get update ne peut être employé pour ajouter de nouveaux cdroms  
Atteint :3 http://deb.debian.org/debian bullseye InRelease  
Atteint :4 http://deb.debian.org/debian bullseye updates InRelease  
Atteint :5 http://security.debian.org/debian-security bullseye-security InRelease  
Atteint :6 https://packages.sury.org/php bullseye InRelease  
Réception de :7 https://apt.centreon.com/repository/22.10 bullseye InRelease [1 478 B]  
Réception de :8 https://apt.centreon.com/repository/22.10 bullseye/main all Packages [325 kB]  
Réception de :9 https://apt.centreon.com/repository/22.10 bullseye/main amd64 Packages [1 178 kB]  
Lecture des listes de paquets... 19%
```

PROCEDURE INSTALLATION CENTREON

```
antoine-deb@centreon-deb:~$  
root@centreon-deb:~# wget -O- https://apt-key.centreon.com | gpg --dearmor | tee /etc/apt/trusted.gpg.d/centreon.gpg > /dev/null 2>&1  
--2023-07-13 13:37:38-- https://apt-key.centreon.com/  
Résolution de apt-key.centreon.com (apt-key.centreon.com): 18.66.26.103, 18.66.26.54, 18.66.26.111, ...  
Connexion à apt-key.centreon.com (apt-key.centreon.com)[18.66.26.103]:443... connecté.  
requête HTTP transmise, en attente de la réponse... 200 OK  
Taille : 664 [text/plain]  
Sauvegarde en : « STDOUT »  
  
100%[=====] 664 --.-KB/s ds 0,001s  
2023-07-13 13:37:38 (1,24 MB/s) - envoi vers sortie standard [664/664]  
  
root@centreon-deb:~# apt update  
Ign :1 cdrom://[Debian GNU/Linux 11.7.0 _Bullseye_ - Official amd64 DVD Binary-1 20230429-11:50] bullseye InRelease  
Err :2 cdrom://[Debian GNU/Linux 11.7.0 _Bullseye_ - Official amd64 DVD Binary-1 20230429-11:50] bullseye Release  
Veillez utiliser apt-cdrom afin de faire reconnaître ce cdrom par votre APT. apt-get update ne peut être employé pour ajouter de nouveaux cdroms  
Atteint :3 http://deb.debian.org/debian bullseye InRelease  
Atteint :4 https://deb.debian.org/debian bullseye-updates InRelease  
Atteint :5 http://security.debian.org/debian-security bullseye-security InRelease  
Atteint :6 https://packages.sury.org/php bullseye InRelease  
Réception de :7 https://apt.centreon.com/repository/22.10 bullseye InRelease [1 478 B]  
Réception de :8 https://apt.centreon.com/repository/22.10 bullseye/main all Packages [325 kB]  
Réception de :9 https://apt.centreon.com/repository/22.10 bullseye/main amd64 Packages [1 178 kB]  
Lecture des listes de paquets... 19%  
  
antoine-deb@centreon-deb:~$  
root@centreon-deb:~# systemctl restart mariadb  
  
root@centreon-deb:~#  
root@centreon-deb:~# cd /etc/php/8.1/mods-available/  
root@centreon-deb:/etc/php/8.1/mods-available#
```

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```
antoine-deb@centreon-deb: ~
root@centreon-deb:~# systemctl restart mariadb
root@centreon-deb:~#
root@centreon-deb:~#

antoine-deb@centreon-deb: ~
GNU nano 5.4 /etc/php/8.1/fpm/php.ini *
; The mbstring data available in the PHP distribution must be installed.
; See https://www.php.net/manual/en/snmp.installation.php
;extension=snmp

;extension=soap
;extension=sockets
;extension=sodium
;extension=sqllite3
;extension=tidy
;extension=xsl

;zend_extension=opcache

; Module Settings ;

[CLI Server]
; Whether the CLI web server uses ANSI color coding in its terminal output.
cli_server.color = On

[Date]
; Defines the default timezone used by the date functions
; https://php.net/date.timezone
;date.timezone = Europe/Paris

; https://php.net/date.default-latitude
;date.default_latitude = 31.7667

; https://php.net/date.default-longitude
;date.default_longitude = 35.2333

; https://php.net/date.sunrise-zenith
;date.sunrise_zenith = 90.833333

; https://php.net/date.sunset-zenith
;date.sunset_zenith = 90.833333

[filter]
; https://php.net/filter.default
;filter.default = unsafe_raw

; https://php.net/filter.default-flags
;filter.default_flags =

Aide      Écrire   Chercher  Couper    Exécuter  Emplacement  Annuler  Placer la main  -> Crochet  Précédent  En arrière
Quitter   Lire fich. Remplacer Collier   Justifier Aller ligne  Refaire   Copier      Retrouver  Suivant     En avant
```

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```
root@centreon-deb:/etc/php/8.1/mods-available# systemctl enable mariadb
Synchronizing state of mariadb.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable mariadb
root@centreon-deb:/etc/php/8.1/mods-available# systemctl restart mariadb
root@centreon-deb:/etc/php/8.1/mods-available#
```

```
antoine-deb@centreon-deb: ~
```

```
root@centreon-deb:/etc/php/8.1/mods-available# mysql_secure_installation
```

```
NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!
```

In order to log into MariaDB to secure it, we'll need the current password for the root user. If you've just installed MariaDB, and haven't set the root password yet, you should just press enter here.

Enter current password for root (enter for none):

OK, successfully used password, moving on...

Setting the root password or using the unix_socket ensures that nobody can log into the MariaDB root user without the proper authorisation.

You already have your root account protected, so you can safely answer 'n'.

Switch to unix_socket authentication [Y/n] n

... skipping.

You already have your root account protected, so you can safely answer 'n'.

Change the root password? [Y/n] y

New password:

Re-enter new password:

Password updated successfully!

Reloading privilege tables..

... Success!

By default, a MariaDB installation has an anonymous user, allowing anyone to log into MariaDB without having to have a user account created for them. This is intended only for testing, and to make the installation go a bit smoother. You should remove them before moving into a production environment.

Remove anonymous users? [Y/n] y

... Success!

Normally, root should only be allowed to connect from 'localhost'. This ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] n

... skipping.

By default, MariaDB comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production environment.

Remove test database and access to it? [Y/n] y

PROCEDURE INSTALLATION CENTREON

```
antoine-deb@centreon-deb: ~$ sudo systemctl enable php8.1-fpm apache2 centreon cbd centengine gorgoned centreontrapd snmpd snmptrapd
root@centreon-deb:/etc/php/8.1/mods-available# systemctl enable php8.1-fpm apache2 centreon cbd centengine gorgoned centreontrapd snmpd snmptrapd
Synchronizing state of php8.1-fpm.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable php8.1-fpm
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
Synchronizing state of snmpd.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable snmpd
```

PROCEDURE INSTALLATION CENTREON

```
antoine-deb@centreon-deb:~$
You already have your root account protected, so you can safely answer 'n'.

Change the root password? [Y/n] y
New password:
Re-enter new password:
Password updated successfully!
Reloading privilege tables..
... Success!

By default, a MariaDB installation has an anonymous user, allowing anyone
to log into MariaDB without having to have a user account created for
them. This is intended only for testing, and to make the installation
go a bit smoother. You should remove them before moving into a
production environment.

Remove anonymous users? [Y/n] y
... Success!

Normally, root should only be allowed to connect from 'localhost'. This
ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] n
... skipping.

By default, MariaDB comes with a database named 'test' that anyone can
access. This is also intended only for testing, and should be removed
before moving into a production environment.

Remove test database and access to it? [Y/n] y
- Dropping test database...
... Success!
- Removing privileges on test database...
... Success!

Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.

Reload privilege tables now? [Y/n] y
... Success!

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
root@centreon-deb:/etc/php/8.1/mods-available#

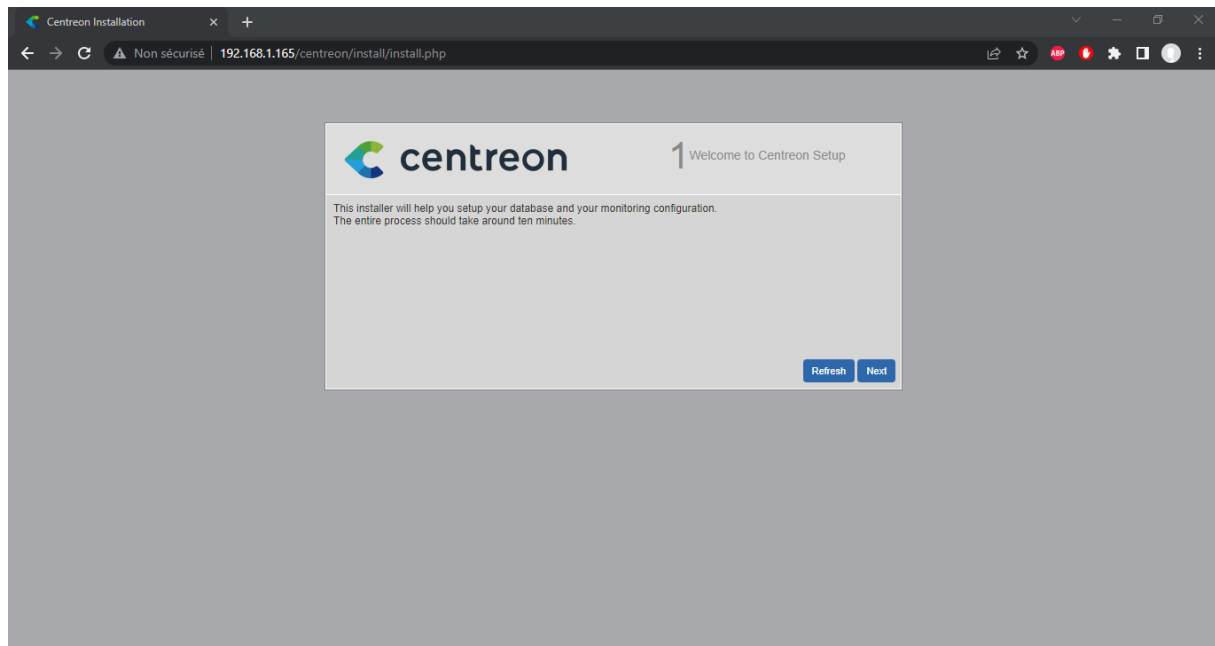
antoine-deb@centreon-deb:~$
root@centreon-deb:~# wget -O- https://packages.sury.org/php/apt.gpg | gpg --dearmor | tee /etc/apt/trusted.gpg.d/php.gpg > /dev/null 2>&1
--2023-07-13 13:35:40-- https://packages.sury.org/php/apt.gpg
Résolution de packages.sury.org (packages.sury.org): 143.244.56.49, 2480:52:0:1e02::1074:1
Connexion à packages.sury.org (packages.sury.org)[143.244.56.49]:443. connecté.
requête HTTP transmise, en attente de la réponse... 200 OK
Taille : 1769 (1,7K) [application/octet-stream]
Sauvegarde en : « STDOUT »

100%[=====] 1,73K --.-KB/s ds 0s

2023-07-13 13:35:40 (7,85 MB/s) - envoi vers sortie standard [1769/1769]

root@centreon-deb:~# apt update
```

PROCEDURE INSTALLATION CENTREON



PROCEDURE INSTALLATION CENTREON

3 Monitoring engine information

Monitoring engine information

Centreon Engine directory *	/usr/share/centreon-engine
Centreon Engine Stats binary *	/usr/sbin/centenginestats
Centreon Engine var lib directory *	/var/lib/centreon-engine
Centreon Engine Connector path	/usr/lib64/centreon-connector
Centreon Engine Library (*.so) directory *	/usr/lib64/centreon-engine
Centreon Plugins Path *	/usr/lib/centreon/plugins/

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4 Broker module information

Monitoring engine information

Centreon Broker etc directory *	/etc/centreon-broker
Centreon Broker module (cbmod.so)	/usr/lib64/nagios/cbmod.so
Centreon Broker log directory *	/var/log/centreon-broker
Retention file directory *	/var/lib/centreon-broker
Centreon Broker lib (*.so) directory *	/usr/share/centreon/lib/centreon-broker

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PROCEDURE INSTALLATION CENTREON

 **centreon**

5 Admin information

Admin information

Login	admin
Password *	
Confirm password *	
First name *	Admin
Last name *	Centreon
Email *	centreon@localhost

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 **centreon**

6 Database information

Database information

Database Host Address (default: localhost)	
Database Port (default: 3306)	
Root user (default: root)	root
Root password	
Configuration database name *	centreon
Storage database name *	centreon_storage
Database user name *	centreon
Database user password *	
Confirm user password *	

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PROCEDURE INSTALLATION CENTREON

7 Installation

Currently installing database and generating cache... please do not interrupt this process.

Step	Status
Setting up configuration file	OK
Configuration database	OK
Storage database	OK
Creating database user	OK
Setting up basic configuration	OK
Partitioning database tables	OK
Generating application cache	OK

Next

8 Modules installation

Module	Author	Version	
Centreon License Manager	Centreon	x.y.z	☒
Centreon Plugin Packs Manager	Centreon	x.y.z	☒
Centreon Auto Discovery	Centreon	x.y.z	☒

Widget	Author	Version	
Grid-map	Centreon	x.y.z	☒
HTTP Loader	Centreon	x.y.z	☒
Hostgroup Monitoring	Centreon	x.y.z	☒
Live Top 10 CPU Usage	Centreon	x.y.z	☒
Live Top 10 Memory Usage	Centreon	x.y.z	☒
Servicegroup Monitoring	Centreon	x.y.z	☒
Global Health	Centreon	x.y.z	☒
Graph Monitoring	Centreon	x.y.z	☒
Tactical Overview	Centreon	x.y.z	☒
Host Monitoring	Centreon	x.y.z	☒
Engine-status	Centreon	x.y.z	☒
Service Monitoring	Centreon	x.y.z	☒

Refresh Install

PROCEDURE INSTALLATION CENTREON

		8 Modules installation	
Module	Author	Version	
Centreon License Manager	Centreon	x.y.z	✓
Centreon Plugin Packs Manager	Centreon	x.y.z	✓
Centreon Auto Discovery	Centreon	x.y.z	✓
Widget	Author	Version	
Grid-map	Centreon	x.y.z	✓
HTTP Loader	Centreon	x.y.z	✓
Hostgroup Monitoring	Centreon	x.y.z	✓
Live Top 10 CPU Usage	Centreon	x.y.z	✓
Live Top 10 Memory Usage	Centreon	x.y.z	✓
Servicegroup Monitoring	Centreon	x.y.z	✓
Global Health	Centreon	x.y.z	✓
Graph Monitoring	Centreon	x.y.z	✓
Tactical Overview	Centreon	x.y.z	✓
Host Monitoring	Centreon	x.y.z	✓
Engine-status	Centreon	x.y.z	✓
Service Monitoring	Centreon	x.y.z	✓
		Refresh	Next

PROCEDURE INSTALLATION CENTREON



PROCEDURE INSTALLATION CENTREON



The image shows the Centreon login interface. At the top is the Centreon logo, which consists of a stylized 'C' made of three colored segments (green, blue, and yellow) followed by the word 'centreon' in a dark blue sans-serif font. Below the logo is the word 'Connexion' in a dark grey sans-serif font. There are two input fields: the first is labeled 'Alias *' with a small person icon on the left, and the second is labeled 'Mot de passe *' with a small padlock icon on the left and a small eye icon on the right. Below these fields is a grey button with the text 'SE CONNECTER' in all caps. At the bottom, there is a copyright notice: 'Copyright © 2005 - 2022' followed by 'v. YY.MM.x' on the next line.

centreon

Connexion

Alias *

Mot de passe *

SE CONNECTER

Copyright © 2005 - 2022
v. YY.MM.x

PROCEDURE INSTALLATION CENTREON

Initialisation de la supervision

Pour démarrer les processus de supervision :

1. Depuis l'interface web, rendez-vous dans le menu **Configuration > Collecteurs**.
2. Sélectionnez le collecteur **Central** dans la liste et cliquez sur **Exporter la configuration**.
3. Cochez **Déplacer les fichiers générés** en plus de la sélection par défaut et cliquez sur **Exporter**.
4. Connectez-vous au serveur Central.
5. Démarrez/redémarrez les processus de collecte :

```
systemctl restart cbd centengine
```

6. Redémarrez le gestionnaire de tâches :

```
systemctl restart gorgoned
```

7. Démarrez les services de supervision passive :

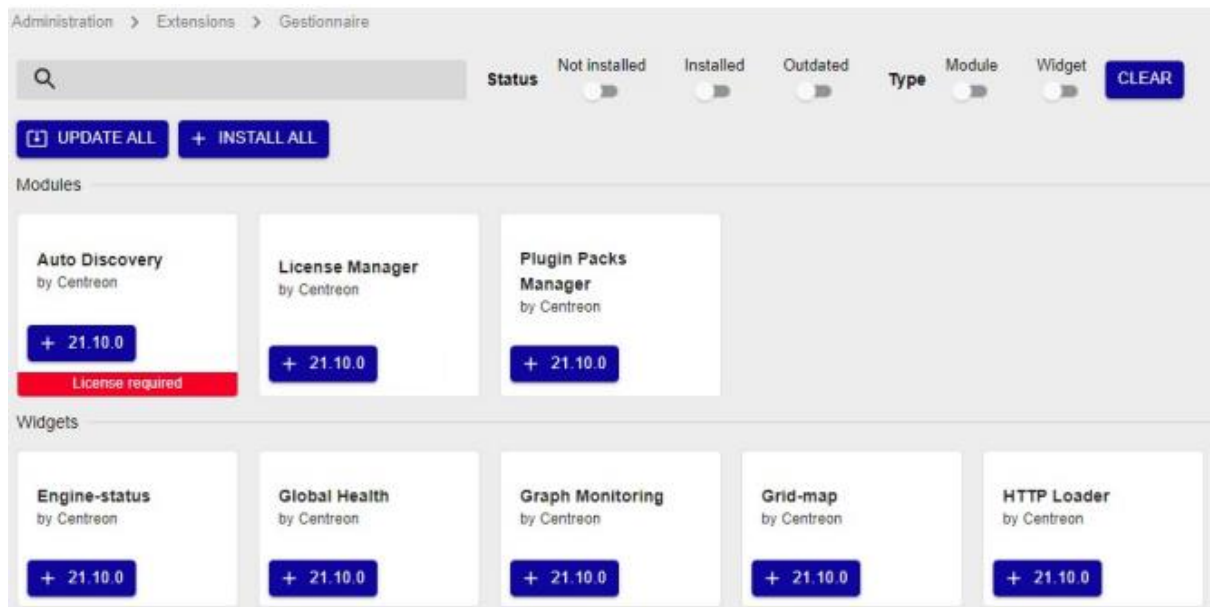
```
systemctl start snmptrapd centreontrapd
```

8. Si vous voulez superviser ce serveur, démarrer le démon SNMP :

```
systemctl start snmpd
```

La supervision est maintenant opérationnelle.

PROCEDURE INSTALLATION CENTREON



Cliquez sur l'icône située en haut et à droite du tableau de bord et sélectionnez **Edit profile**.

Modifiez la langue à **fr_FR** et sauvegardez.

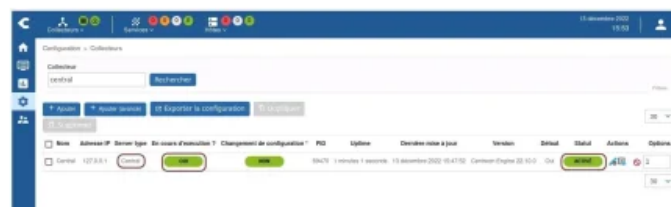
1.4 - Initialisation de la supervision

Premièrement, entrez les 2 Cdes suivantes dans le terminal de la VM Debian 11 pour éviter de rencontrer des problèmes de permissions :

```
chown www-data:centreon-engine /etc/centreon-engine/*  
chown www-data:centreon-broker /etc/centreon-broker/*
```

Puis, suivez la partie **Initialisation de la supervision** du même document que ci-dessus.

Si tout est OK, la page **Collecteurs** montrera ceci :



Centreon : Page Collecteurs

1.5 - Installation centrale Centreon IT 100