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<https://download.centreon.com/> → Image ISO Centreon 21.04

2. Pick Your Centreon Version

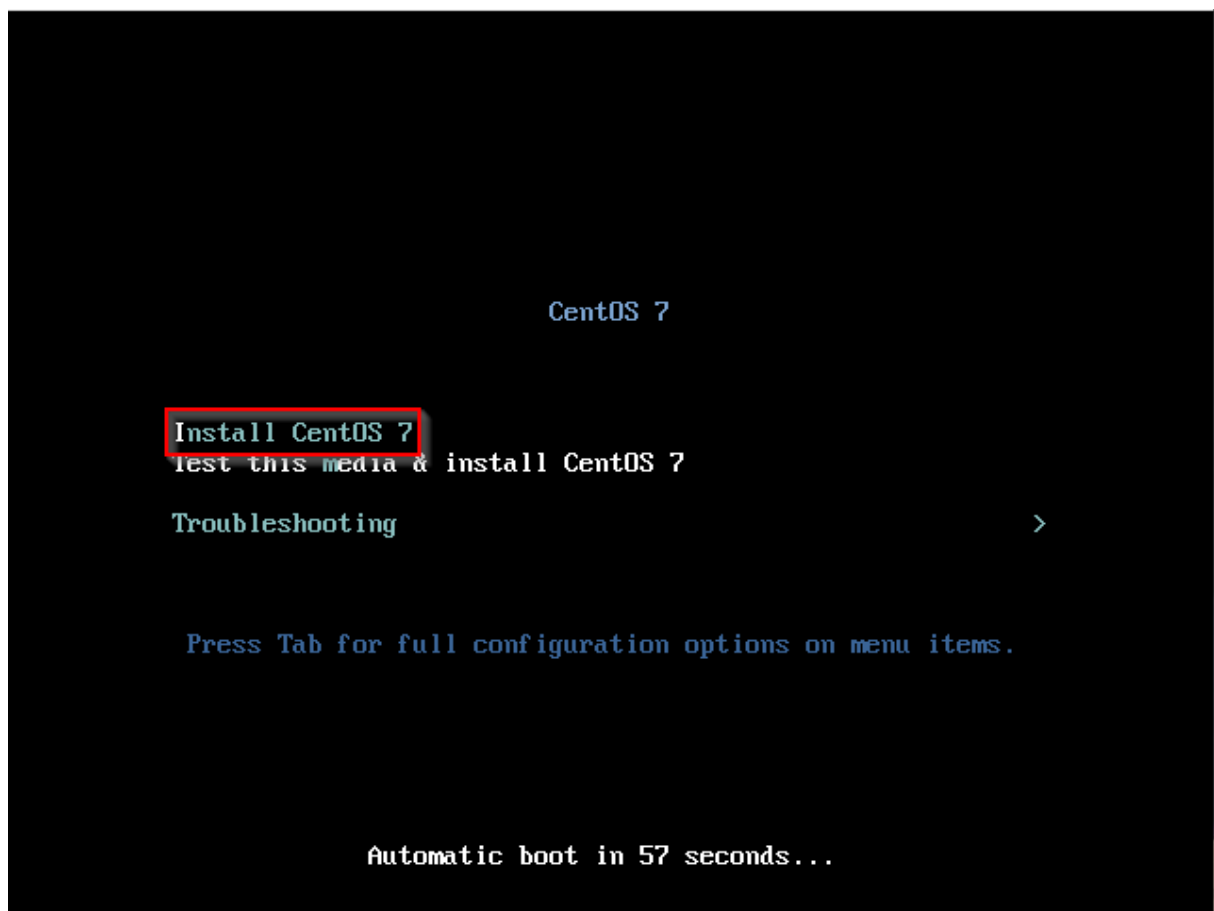


3. Download Your Image

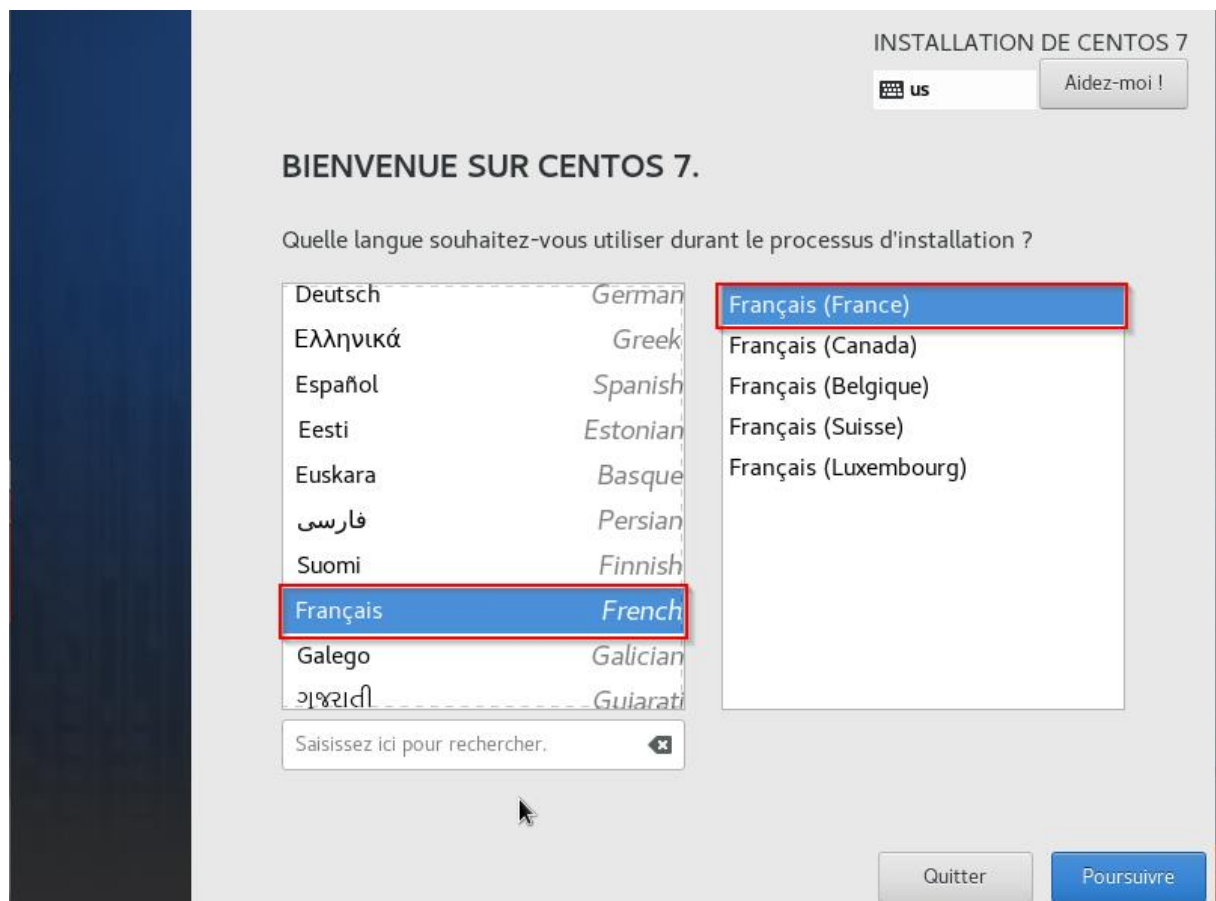
Release	Platform	Date	MD5	Release Notes	Doc	Download
21.04	VMWare Virtual Machine (OVA)	Apr. 21, 2021				<a href="#">Download</a>
21.04	ISO Installation (CD/DVD)	Apr. 21, 2021				<a href="#">Download</a>

## Installation de Centreon

Installer CentOS 7



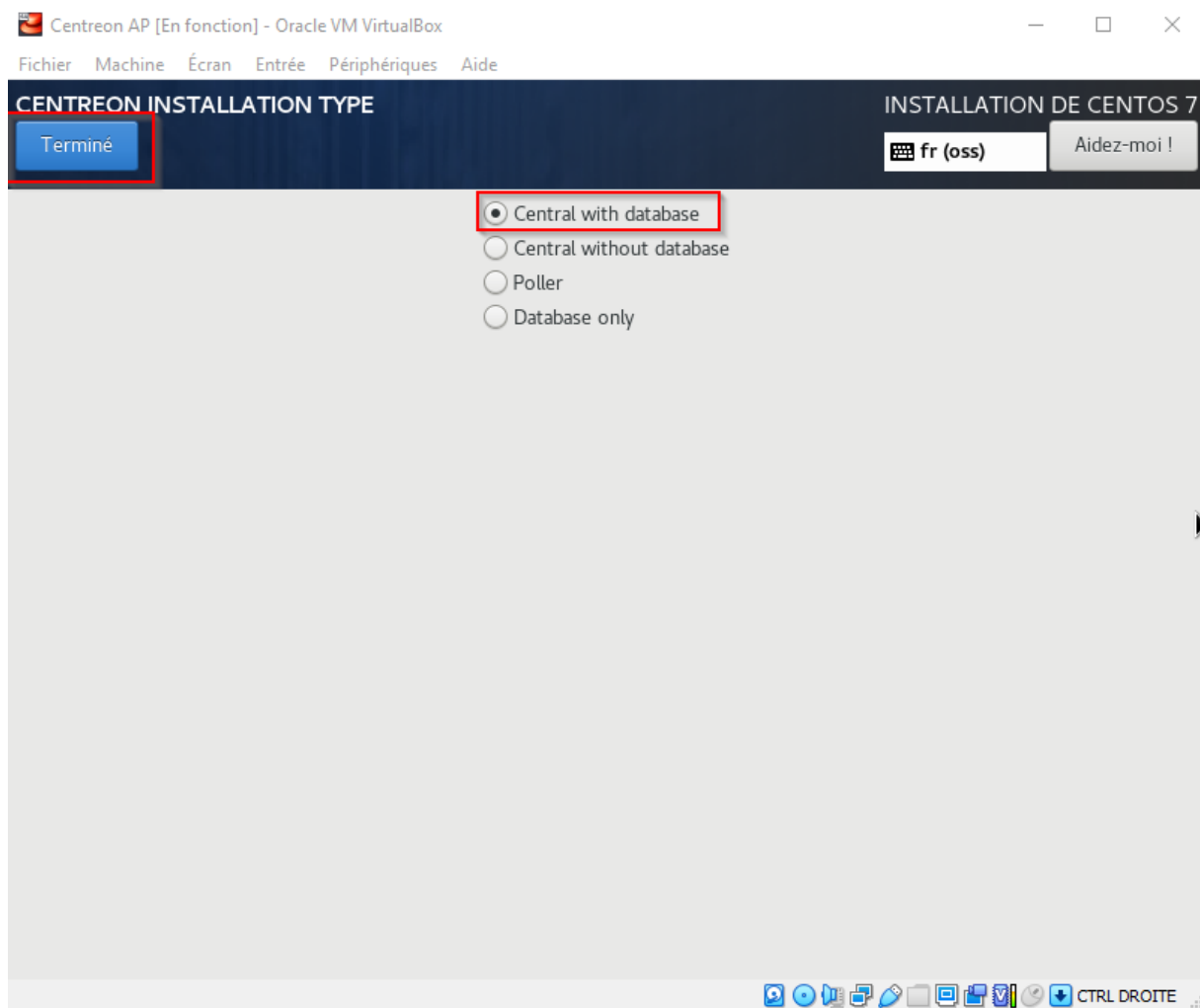
Choisir la langue française pour le système et le clavier



Aller dans installation type



Choisir central avec une base de données




Aller dans les paramètres de partitionnement

RÉSUMÉ DE L'INSTALLATION

INSTALLATION DE CENTOS 7


fr (oss)

Aidez-moi !




PRISE EN CHARGE DE LA LANGUE  
Français (France)

LOGICIEL




SOURCE D'INSTALLATION  
Média local




SÉLECTION DE LOGICIELS  
Installation minimale


SYSTÈME



DESTINATION DE L'INSTALLATION  
Partitionnement automatique sélectionné



KDUMP  
Kdump est activé



SECURITY POLICY  
Aucun profil sélectionné


Partitionnement automatique sélectionné

Non connecté

Quitter

Démarrer l'installation

Nous ne modifierons pas vos disques tant que vous n'aurez pas cliqué sur « Commencer l'installation ».

 Veuillez compléter les points marqués avec cette icône avant de passer à l'étape suivante.

CIBLE DE L'INSTALLATION

INSTALLATION DE CENTOS 7

fr (oss)

Aidez-moi !

Terminé

3

Sélectionnez le périphérique sur lequel vous souhaitez faire l'installation. Retournez dans le menu principal jusqu'à ce que vous cliquiez sur le bouton « Commencer l'installation » du menu principal.

Disques locaux standards

16 GiO



ATA VBOX HARDDISK  
sda / 16 GiO d'espace libre

1

Les disques décochés ne seront pas modifiés.

Disques spéciaux et réseau



Ajouter un disque...

Les disques décochés ne seront pas modifiés.

Autres options de stockage

Partitionnement

☒ Configurer automatiquement le partitionnement.

☐ Je vais configurer le partitionnement.

☐ Je voudrais libérer plus d'espace.

Chiffrement

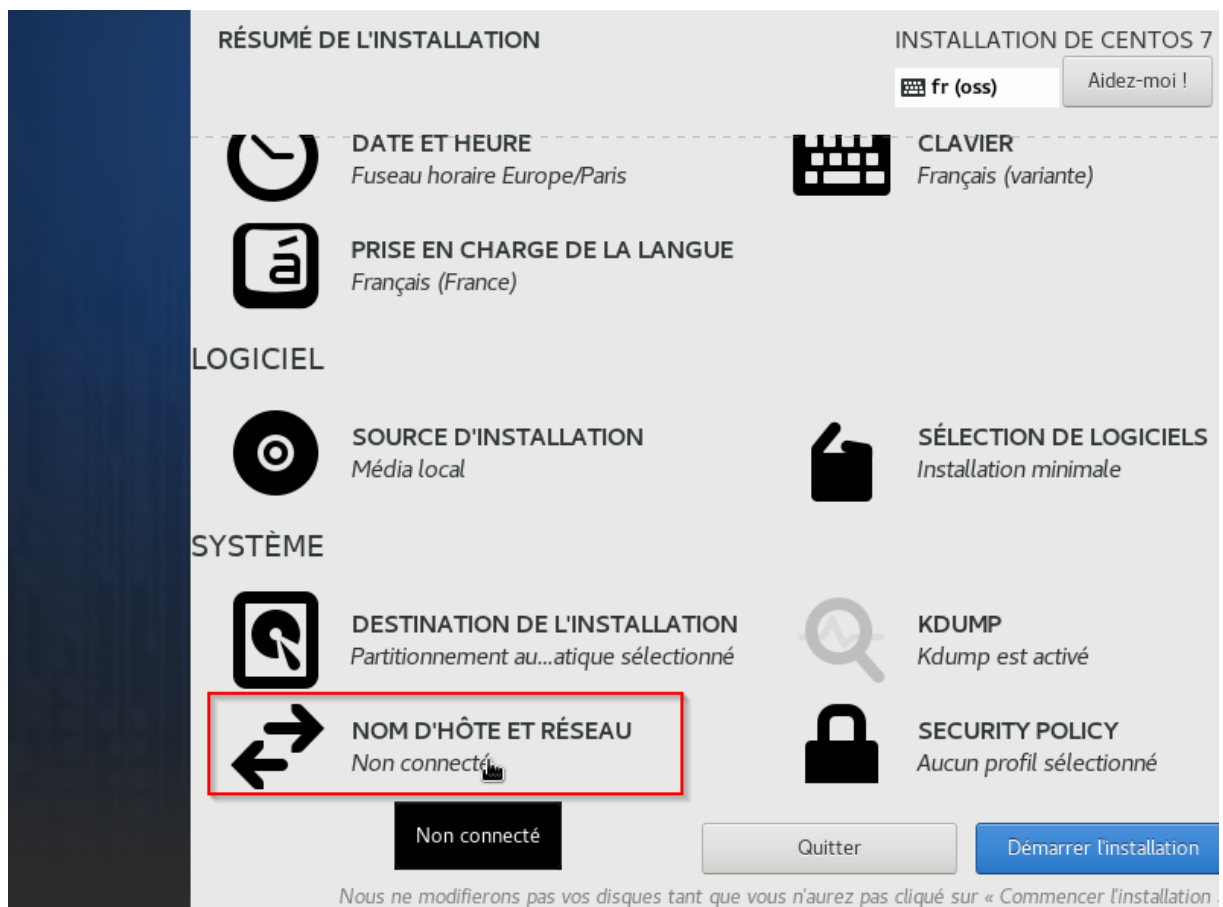
☐ Chiffrer mes données. Vous définirez une phrase de passe plus tard.

Résumé complet du disque et du chargeur de démarrage...

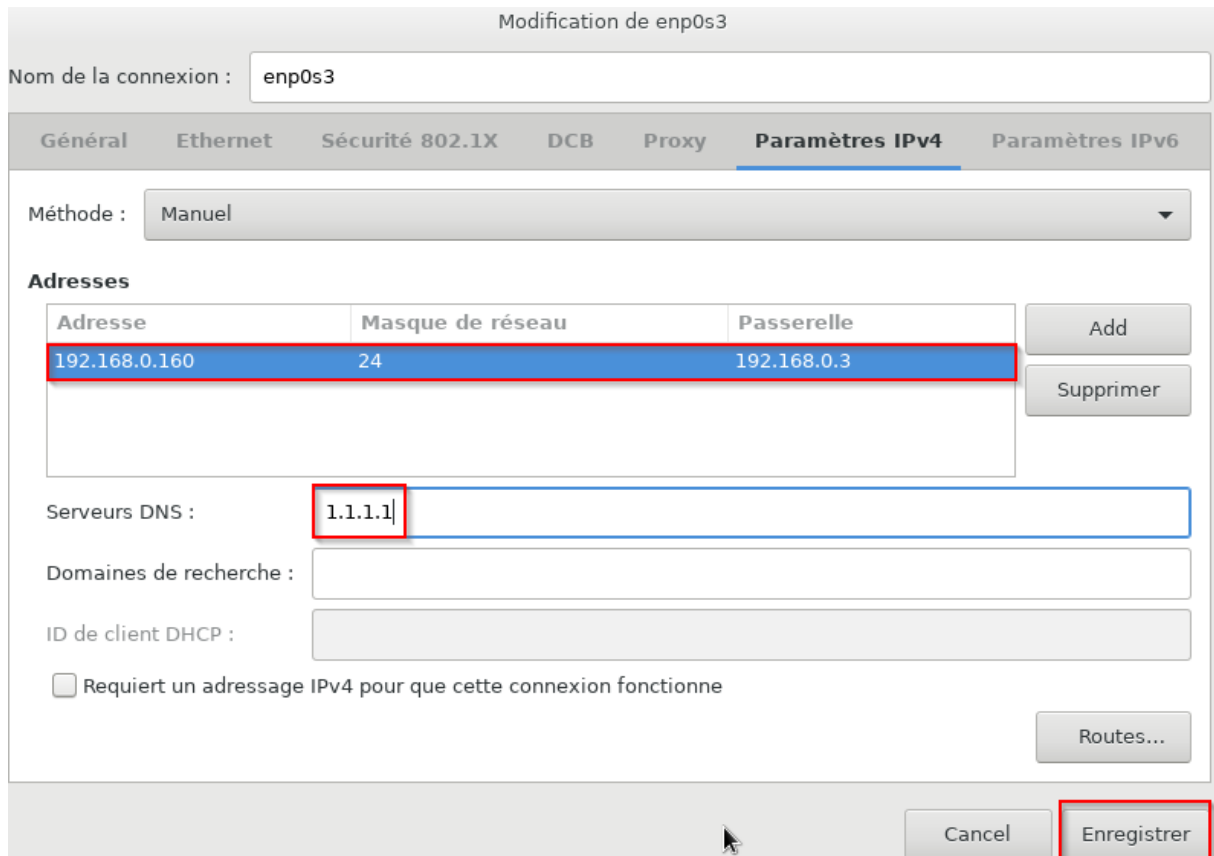
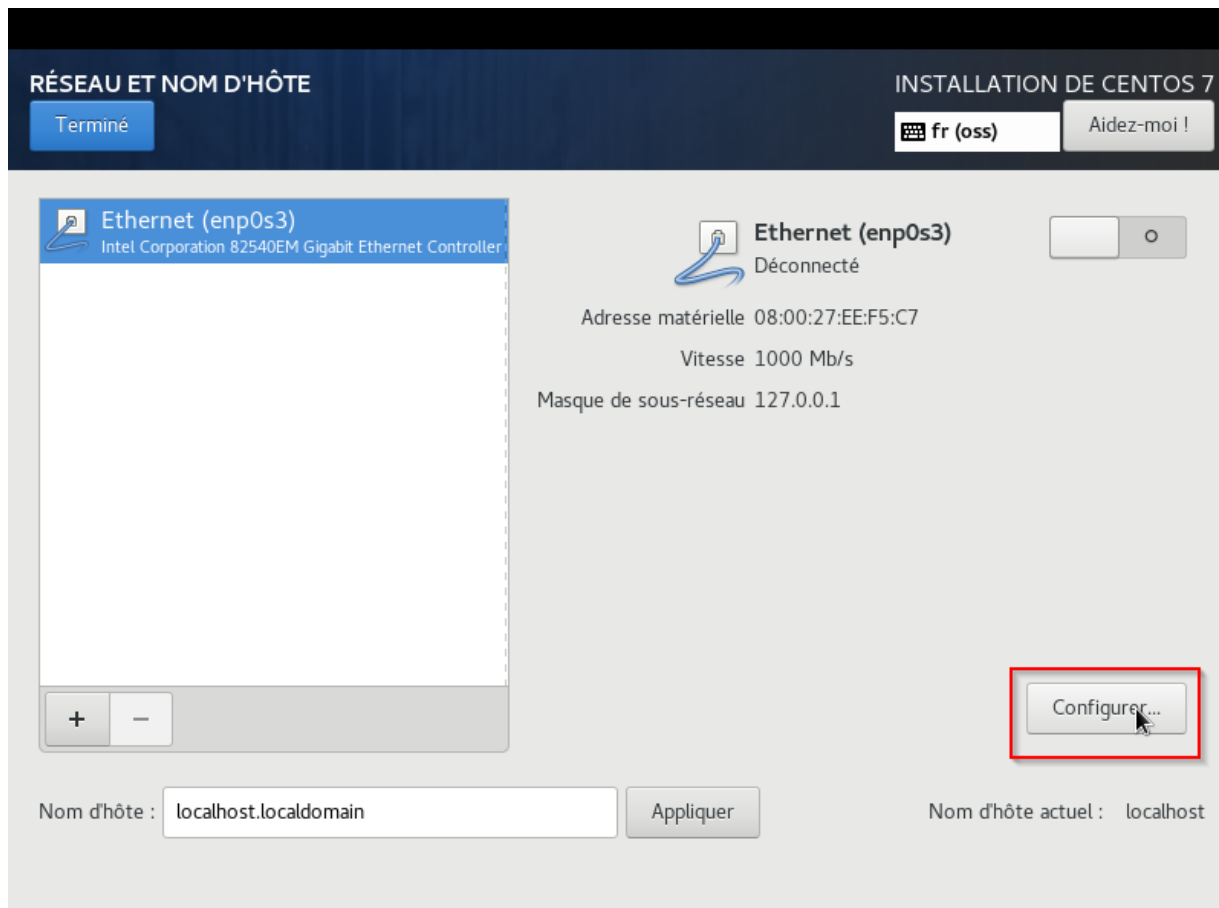
1 disque sélectionné ; 16 GiO de capacité ; 16 GiO d'espace libre

[Rafraichir..](#)

Aller dans les paramètres réseau



Cliquer sur configurer



Choisir un nom d'hôte



RÉSEAU ET NOM D'HÔTE

INSTALLATION DE CENTOS 7

Terminé

fr (oss)

Aidez-moi !

Ethernet (enp0s3)  
Intel Corporation 82540EM Gigabit Ethernet Controller

+ -

Ethernet (enp0s3)  
Déconnecté

Adresse matérielle 08:00:27:EE:F5:C7  
Vitesse 1000 Mb/s  
Masque de sous-réseau 127.0.0.1

Configurer...

Nom d'hôte : centreon-liam

Appliquer

Nom d'hôte actuel : centreon-liam

RÉSEAU ET NOM D'HÔTE

INSTALLATION DE CENTOS 7

Terminé

2

fr (oss)

Aidez-moi !

Ethernet (enp0s3)  
Intel Corporation 82540EM Gigabit Ethernet Controller

+ -

Ethernet (enp0s3)  
Connecté

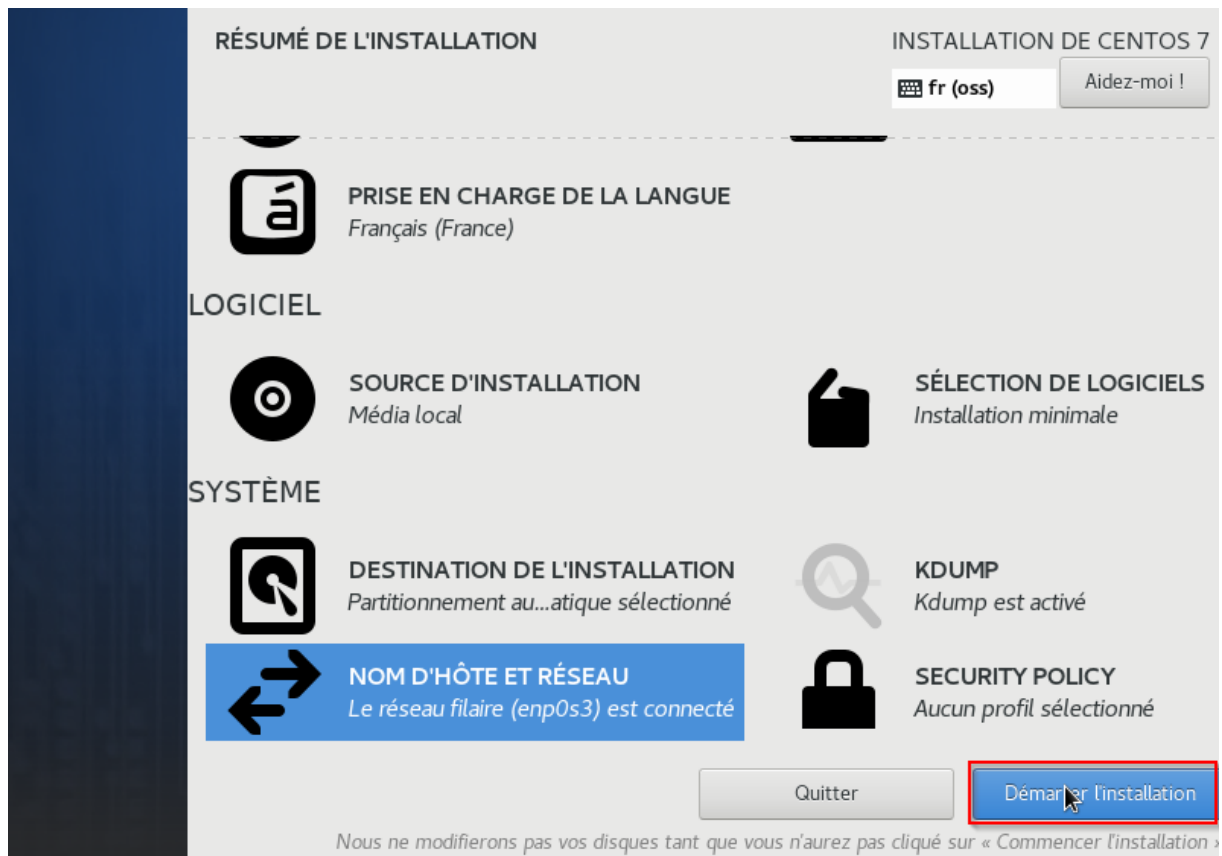
Adresse matérielle 08:00:27:EE:F5:C7  
Vitesse 1000 Mb/s  
Adresse IP 192.168.0.160  
Masque de sous-réseau 255.255.255.0  
Route par défaut 192.168.0.3  
DNS 1.1.1.1

Configurer...

Nom d'hôte : centreon-liam

Appliquer

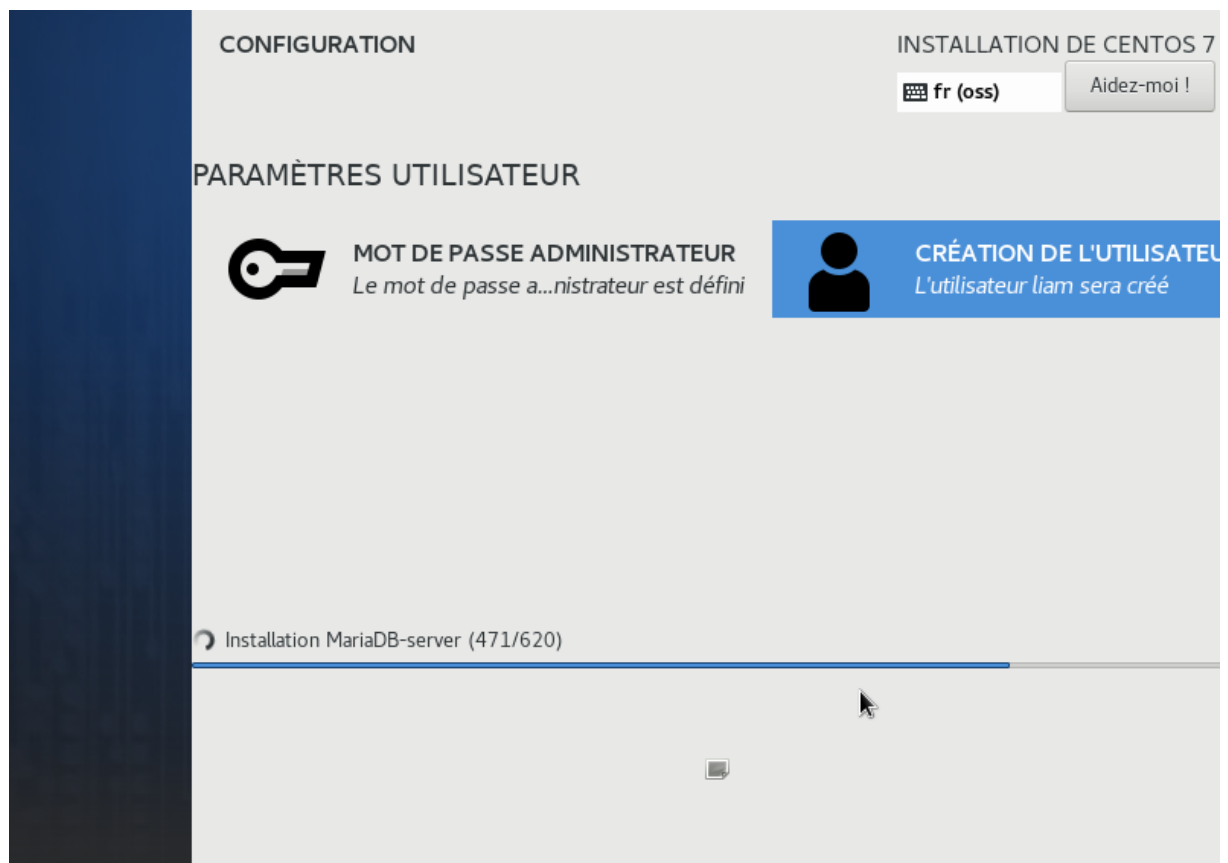
Nom d'hôte actuel : centreon-liam



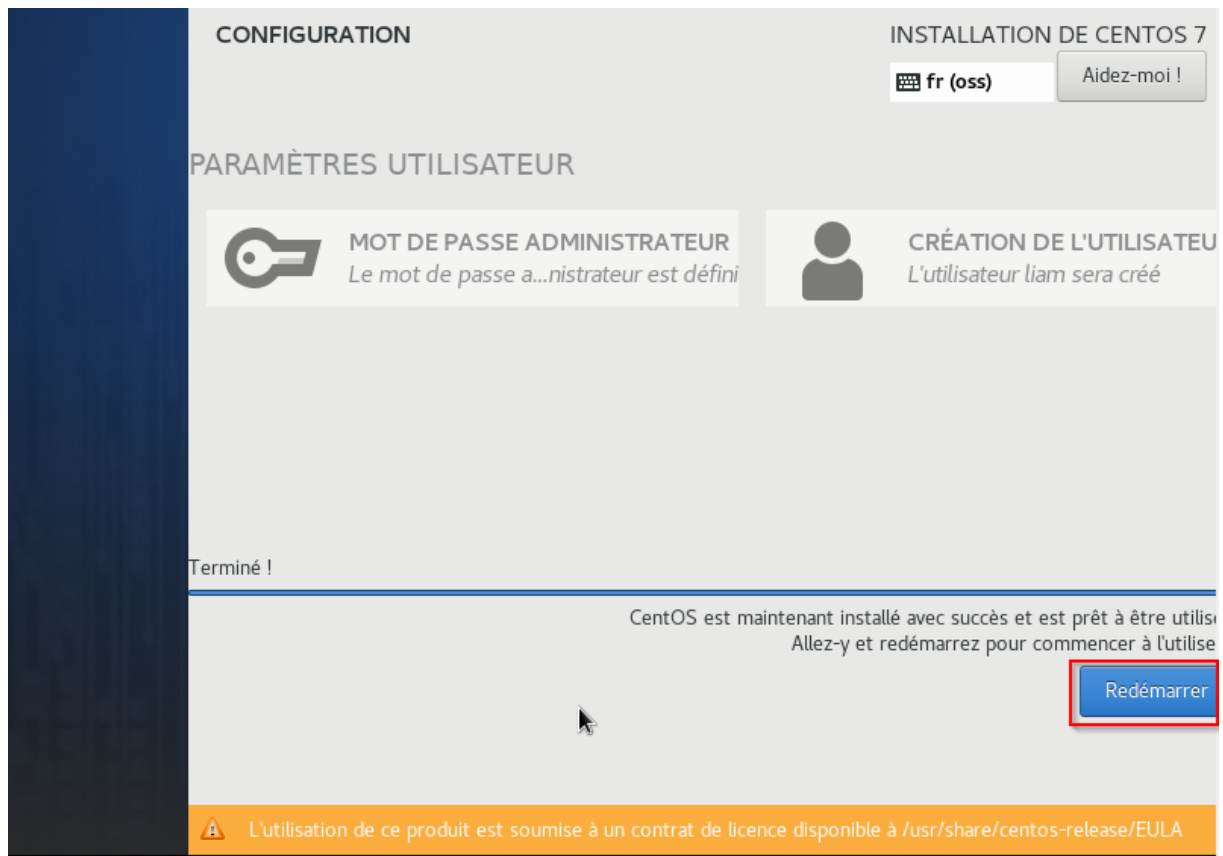
Définir un mot de passe administrateur et un utilisateur



## Installation du système



Redémarrer



Une fois la machine démarrée, se connecter sur root et faire les mises à jour des paquets :

```
[root@centreon-liam ~]# yum update_
```

```

rh-php73-php-pdo           x86_64 7.3.29-1.el7          centos-sclo-rh           101 k
rh-php73-php-pecl-gnupg    x86_64 1.4.0-6.el7.centos     centreon-stable          70 k
rh-php73-php-process       x86_64 7.3.29-1.el7          centos-sclo-rh           63 k
rh-php73-php-snmp          x86_64 7.3.29-1.el7          centos-sclo-rh           54 k
rh-php73-php-xml           x86_64 7.3.29-1.el7          centos-sclo-rh          159 k
rh-php73-php-zip           x86_64 7.3.29-1.el7          centos-sclo-rh           90 k
rsyslog                   x86_64 8.24.0-57.el7_9.1         updates                  622 k
sed                       x86_64 4.2.2-7.el7              base                    231 k
selinux-policy            noarch 3.13.1-268.el7_9.2        updates                  498 k
selinux-policy-targeted   noarch 3.13.1-268.el7_9.2        updates                  7.0 M
setup                     noarch 2.8.71-11.el7             base                    166 k
shared-mime-info          x86_64 1.8-5.el7                base                    312 k
sqlite                   x86_64 3.7.17-8.el7_7.1          base                    394 k
sudo                     x86_64 1.8.23-10.el7_9.1         updates                  843 k
systemd                  x86_64 219-78.el7_9.3            updates                  5.1 M
systemd-libs             x86_64 219-78.el7_9.3            updates                  418 k
systemd-sysv             x86_64 219-78.el7_9.3            updates                   97 k
teamd                    x86_64 1.29-3.el7               base                    116 k
tuned                    noarch 2.11.0-11.el7_9          updates                  269 k
tzdata                   noarch 2021a-1.el7              updates                  501 k
util-linux               x86_64 2.23.2-65.el7_9.1         updates                  2.0 M
vim-minimal              x86_64 2:7.4.629-8.el7_9         updates                  443 k
virt-what                x86_64 1.18-4.el7_9.1            updates                   30 k
wpa_supplicant           x86_64 1:2.6-12.el7_9.2          updates                  1.2 M
xfsprogs                 x86_64 4.5.0-22.el7             base                    897 k
yum                      noarch 3.4.3-168.el7.centos     base                    1.2 M
yum-plugin-fastestmirror noarch 1.1.31-54.el7_8          base                     34 k
zlib                     x86_64 1.2.7-19.el7_9            updates                   90 k
zlib-devel               x86_64 1.2.7-19.el7_9            updates                   50 k

Résumé de la transaction
=====
Installation      2 Paquets
Mettre à jour    221 Paquets

Taille totale des téléchargements : 313 M
Is this ok [y/d/N]: y

```

(Accepter toutes les clés GPG si nécessaire) ensuite redémarrer

Démarrer tous les services au démarrage :

```
systemctl enable rh-php73-php-fpm httpd24-httpd mariadb centreon cbd
centengine gorgoned snmptrapd centreontrapd snmpd
```

```


[root@centreon-liam ~]# systemctl enable rh-php73-php-fpm httpd24-httpd mariadb
centreon cbd centengine gorgoned snmptrapd centreontrapd snmpd
Created symlink from /etc/systemd/system/multi-user.target.wants/centreon.servic
e to /usr/lib/systemd/system/centreon.service.
Created symlink from /etc/systemd/system/centreon.service.wants/cbd.service to /
usr/lib/systemd/system/cbd.service.
Created symlink from /etc/systemd/system/centreon.service.wants/centengine.servi
ce to /usr/lib/systemd/system/centengine.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/gorgoned.servic
e to /etc/systemd/system/gorgoned.service.
Created symlink from /etc/systemd/system/centreon.service.wants/gorgoned.service
to /etc/systemd/system/gorgoned.service.
[root@centreon-liam ~]#

```

Configuration Web de Centreon :

Se connecter sur <http://192.168.0.160/centreon>

192.168.0.160/centreon/install/install.php

 **centreon**

1 Welcome to Centreon Setup

This installer will help you setup your database and your monitoring configuration.  
The entire process should take around ten minutes.

Refresh **Next**


 **centreon**

2 Dependency check up

Module name	File	Status
MySQL	pdo_mysql.so	Loaded
GD	gd.so	Loaded
LDAP	ldap.so	Loaded
XML Writer	xmlwriter.so	Loaded
MB String	mbstring.so	Loaded
SQLite	pdo_sqlite.so	Loaded
INTL	intl.so	Loaded

**OK**

Back Refresh **Next**

 **centreon**


3 Monitoring engine information

**Monitoring engine information**

Centreon Engine directory *	<input type="text" value="/usr/share/centreon-engine"/>
Centreon Engine Stats binary *	<input type="text" value="/usr/sbin/centenginestats"/>
Centreon Engine var lib directory *	<input type="text" value="/var/lib/centreon-engine"/>
Centreon Engine Connector path	<input type="text" value="/usr/lib64/centreon-connector"/>
Centreon Engine Library (*.so) directory *	<input type="text" value="/usr/lib64/centreon-engine"/>
Centreon Plugins Path *	<input type="text" value="/usr/lib/centreon/plugins/"/>

**Tout laisser par défaut**

Back Refresh **Next**




centreon

4 Broker module information

Monitoring engine information

Centreon Broker etc directory *	<input type="text" value="/etc/centreon-broker"/>	<div>Tout laisser par défaut</div>
Centreon Broker module (cbmod.so)	<input type="text" value="/usr/lib64/nagios/cbmod.so"/>	
Centreon Broker log directory *	<input type="text" value="/var/log/centreon-broker"/>	
Retention file directory *	<input type="text" value="/var/lib/centreon-broker"/>	
Centreon Broker lib (*.so) directory *	<input type="text" value="/usr/share/centreon/lib/centreon-broker"/>	

Configurer le compte admin



centreon

5 Admin information

Admin information

Login	<input type="text" value="admin"/>
Password *	<input type="password" value="....."/>
Confirm password *	<input type="password" value="....."/>
First name *	<input type="text" value="Liam"/>
Last name *	<input type="text" value="SISR"/>
Email *	<input type="text" value="fhudisfhhfusg@gmail.com"/>

Accorder tous les droits à un nouvel utilisateur pour la prochaine étape :

```
CREATE USER 'superadmin'@'localhost' IDENTIFIED BY '*****';
GRANT ALL ON *.* TO 'superadmin'@'localhost' WITH GRANT OPTION;
FLUSH PRIVILEGES;
```

QUIT;

```
[root@centreon-liam ~]# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 20
Server version: 10.5.8-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.


MariaDB [(none)]> CREATE USER 'superadmin'@'localhost' IDENTIFIED BY '12345678';
Query OK, 0 rows affected (0.022 sec)

MariaDB [(none)]> GRANT ALL ON *.* TO 'superadmin'@'localhost' WITH GRANT OPTION;
Query OK, 0 rows affected (0.062 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> QUIT;
Bye
[root@centreon-liam ~]#
```

Rentrer les informations concernant la base de données


 **centreon**

6 Database information

**Database information**

Database Host Address (default: localhost)	<input type="text" value="Laisser vide"/>
Database Port (default: 3306)	<input type="text" value="Laisser vide"/>
Root user (default: root)	<input type="text" value="Utilisateur créé précédemment"/>
Root password	<input type="password" value="Mot de passe créé précédemment"/>
Configuration database name *	<input type="text" value="centreon"/>
Storage database name *	<input type="text" value="centreon_storage"/>
Database user name *	<input type="text" value="centreon"/>
Database user password *	<div><div>Mot de passe pour l'utilisateur de la BDD</div><input type="password" value="....."/></div>
Confirm user password *	<input type="password" value="....."/>



 **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

Tout laisser sélectionné pour l'installation

 **centreon**

8 Modules installation

Module	Author	Version	
Centreon License Manager	Centreon	21.04.0	<input checked="" type="checkbox"/>
Centreon Plugin Packs Manager	Centreon	21.04.0	<input checked="" type="checkbox"/>
Centreon Auto Discovery	Centreon	21.04.1	<input checked="" type="checkbox"/>

Widget	Author	Version	
Tactical Overview	Centreon	21.04.0	<input checked="" type="checkbox"/>
HTTP Loader	Centreon	21.04.0	<input checked="" type="checkbox"/>
Graph Monitoring	Centreon	21.04.0	<input checked="" type="checkbox"/>
Hostgroup Monitoring	Centreon	21.04.0	<input checked="" type="checkbox"/>
Global Health	Centreon	21.04.0	<input checked="" type="checkbox"/>
Service Monitoring	Centreon	21.04.0	<input checked="" type="checkbox"/>
Live Top 10 Memory Usage	Centreon	21.04.0	<input checked="" type="checkbox"/>
Grid-map	Centreon	21.04.0	<input checked="" type="checkbox"/>
Engine-status	Centreon	21.04.0	<input checked="" type="checkbox"/>
Servicegroup Monitoring	Centreon	21.04.0	<input checked="" type="checkbox"/>
Live Top 10 CPU Usage	Centreon	21.04.0	<input checked="" type="checkbox"/>
Host Monitoring	Centreon	21.04.0	<input checked="" type="checkbox"/>

Refresh Install

Module	Author	Version	
Centreon License Manager	Centreon	21.04.0	✓
Centreon Plugin Packs Manager	Centreon	21.04.0	✓
Centreon Auto Discovery	Centreon	21.04.1	✓
Widget	Author	Version	
Tactical Overview	Centreon	21.04.0	✓
HTTP Loader	Centreon	21.04.0	✓
Graph Monitoring	Centreon	21.04.0	✓
Hostgroup Monitoring	Centreon	21.04.0	✓
Global Health	Centreon	21.04.0	✓
Service Monitoring	Centreon	21.04.0	✓
Live Top 10 Memory Usage	Centreon	21.04.0	✓
Grid-map	Centreon	21.04.0	✓
Engine-status	Centreon	21.04.0	✓
Servicegroup Monitoring	Centreon	21.04.0	✓
Live Top 10 CPU Usage	Centreon	21.04.0	✓
Host Monitoring	Centreon	21.04.0	✓

Refresh

Next

## Thank you for installing Centreon

We hope you will enjoy your monitoring experience



Centreon uses a telemetry system and a Centreon Customer Experience Improvement Program whereby anonymous information about the usage of this server may be sent to Centreon. This information will solely be used to improve the software user experience. You will be able to opt-out at any time about CEIP program through administration menu. Refer to [ceip.centreon.com](https://ceip.centreon.com) for further details.

[Documentation](#) | [Github](#) | [Community Slack](#) | [Support](#)

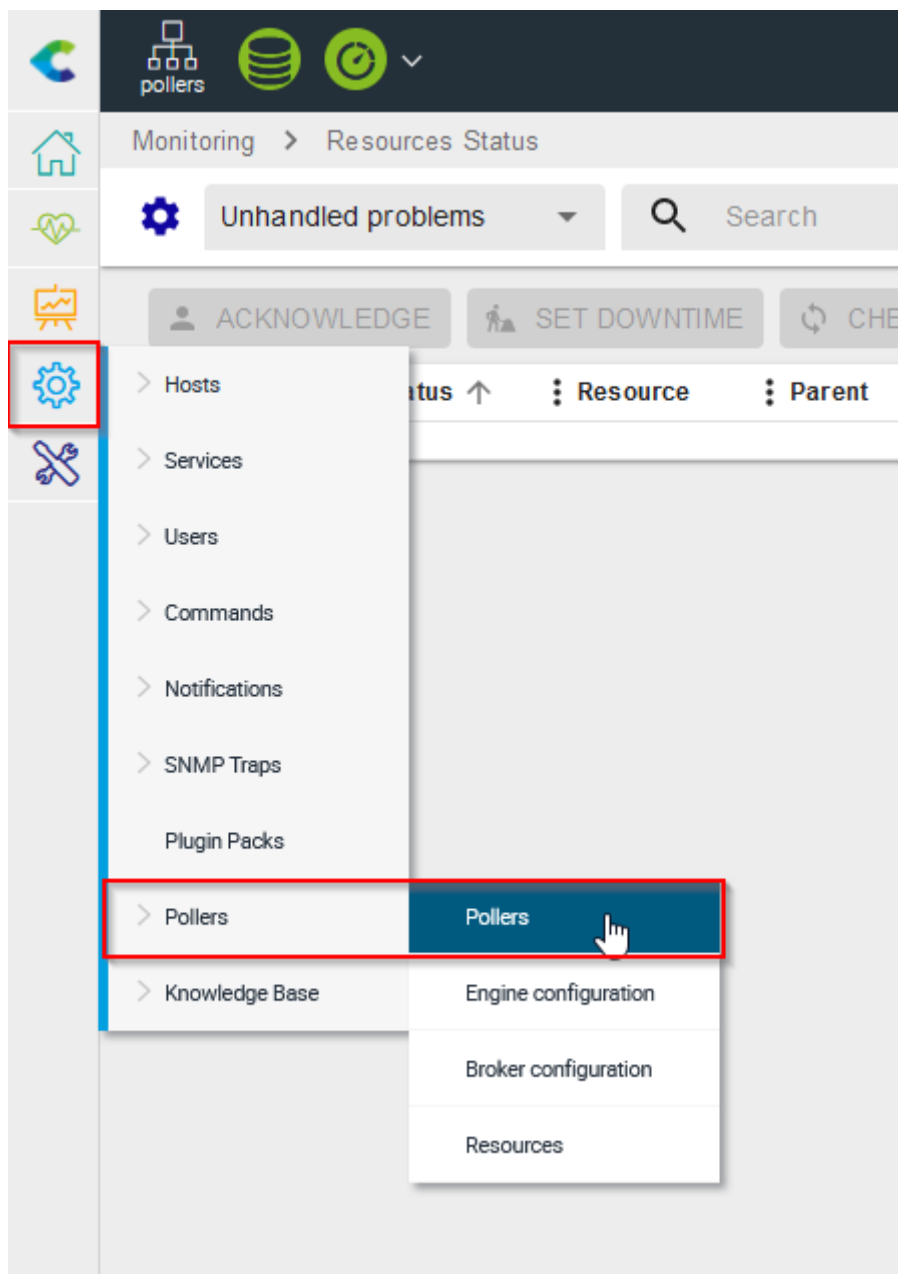
[www.centreon.com](https://www.centreon.com)

Back

Refresh

Finish

Initialisation du monitoring



Configuration > Pollers

**Poller**

More actions... **Add** **Add server with wizard** **Export configuration** 2

<input type="checkbox"/>	Name	IP Address	Server type	Is running ?
<input checked="" type="checkbox"/> 1	Central	127.0.0.1	Central	NO

More actions... **Add**

#### Configuration Files Export

Polling instances

Polers \* Central

Actions

- ☒ Generate Configuration Files
- ☒ Run monitoring engine debug (-v)
- ☒ Move Export Files
- ☐ Restart Monitoring Engine
- ☐ Post generation command

Method: Reload

**Export**

#### Console

Progress (100%)

Preparing environment... OK

Generating files... OK

Moving files... OK

[+] Central

Ensuite sur le serveur :

```
systemctl restart cbd centengine
systemctl restart gorgoned
systemctl start snmptrapd centreontrapd
systemctl start snmpd
```

```
Last login: Thu Sep 30 11:06:59 2021 from 192.168.0.4
[root@centreon-liam ~]# systemctl restart cbd centengine
[root@centreon-liam ~]# systemctl restart gorgoned
[root@centreon-liam ~]# systemctl start snmptrapd centreontrapd
[root@centreon-liam ~]# systemctl start snmpd
[root@centreon-liam ~]#
```

## Sécuriser le serveur Centreon

- Changer les mots de passe des utilisateurs centreon / centreon-engine / centreon-broker / centreon-gorgone

```
Changement de mot de passe pour l'utilisateur centreon.
Nouveau mot de passe :
MOT DE PASSE INCORRECT : Le mot de passe comporte moins de 8 caractères
Retapez le nouveau mot de passe :
passwd : mise à jour réussie de tous les jetons d'authentification.
[root@centreon-liam ~]# passwd centreon-engine
Changement de mot de passe pour l'utilisateur centreon-engine.
Nouveau mot de passe :
MOT DE PASSE INCORRECT : Le mot de passe comporte moins de 8 caractères
Retapez le nouveau mot de passe :
passwd : mise à jour réussie de tous les jetons d'authentification.
[root@centreon-liam ~]# passwd centreon-broker
Changement de mot de passe pour l'utilisateur centreon-broker.
Nouveau mot de passe :
MOT DE PASSE INCORRECT : Le mot de passe comporte moins de 8 caractères
Retapez le nouveau mot de passe :
passwd : mise à jour réussie de tous les jetons d'authentification.
[root@centreon-liam ~]# passwd centreon-gorgone
Changement de mot de passe pour l'utilisateur centreon-gorgone.
Nouveau mot de passe :
MOT DE PASSE INCORRECT : Le mot de passe comporte moins de 8 caractères
Retapez le nouveau mot de passe :
passwd : mise à jour réussie de tous les jetons d'authentification.
[root@centreon-liam ~]#
```

- Activer SELinux :

Dans /etc/selinux/config → Passer SELINUX en permissive

```
GNU nano 2.3.1      Fichier : /etc/selinux/config      Modifié      ^
# This file controls the state of SELinux on the system.
# SELINUX= can take one of these three values:
#   enforcing - SELinux security policy is enforced.
#   permissive - SELinux prints warnings instead of enforcing.
#   disabled - No SELinux policy is loaded.
SELINUX=permissive
# SELINUXTYPE= can take one of three values:
#   targeted - Targeted processes are protected,
#   minimum - Modification of targeted policy. Only selected processes are pr$
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted

^G Aide      ^O Écrire    ^R Lire fich.^Y Page préc.^K Couper      ^C Pos. cur.
^X Quitter   ^J Justifier ^W Chercher  ^V Page suiv.^U Coller     ^T Orthograp.
```

Redémarrer le serveur → reboot

Installer les paquets suivants :

```
yum install centreon-common-selinux \  
centreon-web-selinux \  
centreon-broker-selinux \  
centreon-engine-selinux \  
centreon-gorgoned-selinux \  
centreon-plugins-selinux
```

```
Taille totale des téléchargements : 80 k  
Taille d'installation : 560 k  
Is this ok [y/d/N]: y  
Downloading packages:  
(1/6): centreon-broker-selinux-0.0.6-1.x86_64.rpm | 14 kB 00:00  
(2/6): centreon-common-selinux-0.0.11-1.x86_64.rpm | 13 kB 00:00  
(3/6): centreon-gorgoned-selinux-0.0.4-1.x86_64.rpm | 13 kB 00:00  
(4/6): centreon-plugins-selinux-0.0.3-1.x86_64.rpm | 12 kB 00:00  
(5/6): centreon-engine-selinux-0.0.10-1.x86_64.rpm | 14 kB 00:00  
(6/6): centreon-web-selinux-0.0.8-1.x86_64.rpm | 14 kB 00:00  
-----  
Total 218 kB/s | 80 kB 00:00  
Running transaction check  
Running transaction test  
Transaction test succeeded  
Running transaction  
Installation : centreon-common-selinux-0.0.11-1.x86_64 1/6  
Installation : centreon-engine-selinux-0.0.10-1.x86_64 2/6  
Installation : centreon-broker-selinux-0.0.6-1.x86_64 3/6  
Installation : centreon-plugins-selinux-0.0.3-1.x86_64 4/6  
Installation : centreon-gorgoned-selinux-0.0.4-1.x86_64 5/6  
Installation : centreon-web-selinux-0.0.8-1.x86_64 6/6
```

Avant d'activer SELinux, il faut vérifier qu'il n'y a aucune erreur avec la commande suivante : `cat /var/log/audit/audit.log | grep -i denied`

```
[root@centreon-liam ~]# cat /var/log/audit/audit.log | grep -i denied  
[root@centreon-liam ~]# cat /var/log/audit/audit.log | grep -i denied  
[root@centreon-liam ~]# cat /var/log/audit/audit.log | grep -i denied  
[root@centreon-liam ~]#
```

(En cas d'erreur, faire la commande `audit2allow -a`)

Ensuite dès qu'il n'y a aucune erreur, re-modifier `/etc/selinux/config` et passer SELINUX en enforcing :

```
root@centreon-liam:~  
GNU nano 2.3.1      Fichier : /etc/selinux/config      Modifié  
# This file controls the state of SELinux on the system.  
# SELINUX= can take one of these three values:  
#   enforcing - SELinux security policy is enforced.  
#   permissive - SELinux prints warnings instead of enforcing.  
#   disabled - No SELinux policy is loaded.  
SELINUX=enforcing  
# SELINUXTYPE= can take one of three values:  
#   targeted - Targeted processes are protected,  
#   minimum - Modification of targeted policy. Only selected processes are pr$  
#   mls - Multi Level Security protection.  
SELINUXTYPE=targeted  
  
^G Aide      ^O Écrire    ^R Lire fich.^Y Page préc.^K Couper      ^C Pos. cur.  
^X Quitter   ^J Justifier ^W Chercher  ^V Page suiv.^U Coller     ^T Orthograp.
```

Redémarrer le serveur → reboot

- Changer les permissions suivantes :

```
chown centreon:centreon /etc/centreon/conf.pm  
chmod 660 /etc/centreon/conf.pm  
chown apache:apache /etc/centreon/centreon.conf.php  
  
chmod 660 /etc/centreon/centreon.conf.php
```

```
login as: root  
root@192.168.0.160's password:  
Last login: Thu Sep 30 13:41:12 2021 from 192.168.0.4  
[root@centreon-liam ~]# chown centreon:centreon /etc/centreon/conf.pm  
[root@centreon-liam ~]# chmod 660 /etc/centreon/conf.pm  
[root@centreon-liam ~]# chown apache:apache /etc/centreon/centreon.conf.php  
[root@centreon-liam ~]# chmod 660 /etc/centreon/centreon.conf.php  
[root@centreon-liam ~]#
```

- Exécuter `mysql_secure_installation`



```

[root@centreon-liam ~]# 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] n
... skipping.

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] Y
... Success!

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-liam ~]#

```

- Installer un firewall

yum install firewalld

```
systemctl enable firewalld
systemctl start firewalld
```

Activer les règles suivantes →

# Protocoles par défaut

```
firewall-cmd --zone=public --add-service=ssh --permanent
firewall-cmd --zone=public --add-service=http --permanent
firewall-cmd --zone=public --add-service=snmp --permanent
firewall-cmd --zone=public --add-service=snmptrap --permanent
```

# Centreon Gorgone

```
firewall-cmd --zone=public --add-port=5556/tcp --permanent
```

# Centreon Broker

```
firewall-cmd --zone=public --add-port=5669/tcp --permanent
```

```
[root@centreon-liam ~]# systemctl enable firewalld
Created symlink from /etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service to /usr/lib/systemd/system/firewalld.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/firewalld.service to /usr/lib/systemd/system/firewalld.service.
[root@centreon-liam ~]# systemctl start firewalld
[root@centreon-liam ~]# firewall-cmd --zone=public --add-service=ssh --permanent
Warning: ALREADY_ENABLED: ssh
success
[root@centreon-liam ~]# firewall-cmd --zone=public --add-service=http --permanent
success
[root@centreon-liam ~]# firewall-cmd --zone=public --add-service=snmp --permanent
success
[root@centreon-liam ~]# firewall-cmd --zone=public --add-service=snmptrap --permanent
success
[root@centreon-liam ~]# firewall-cmd --zone=public --add-port=5556/tcp --permanent
success
[root@centreon-liam ~]# firewall-cmd --zone=public --add-port=5669/tcp --permanent
success
[root@centreon-liam ~]# █
```

Pour finir, reload le pare-feu → `firewall-cmd --reload`

#### - Activer fail2ban

```
yum install epel-release
yum install fail2ban fail2ban-systemd python-inotify
```

```
systemctl enable fail2ban
systemctl start fail2ban
cp /etc/fail2ban/jail.conf /etc/fail2ban/jail.local
```


Modifier /etc/fail2ban/jail.local comme ceci →

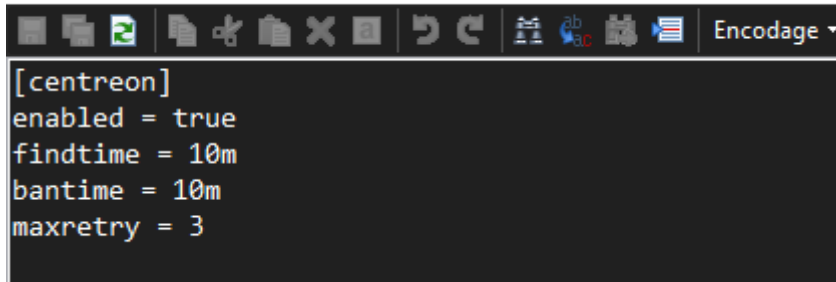
```
[centreon]
port      = http,https
logpath   = /var/log/centreon/login.log
backend   = pyinotify
```

```
[centreon]
port      = http,https
logpath   = /var/log/centreon/login.log
backend   = pyinotify
```

Créer /etc/fail2ban/jail.d/custom.conf →

```
[centreon]
enabled = true
findtime = 10m
bantime = 10m
maxretry = 3
```

 /etc/fail2ban/jail.d/custom.conf - root@192.168.0.160 - Editeur - WinSCP



```
[centreon]
enabled = true
findtime = 10m
bantime = 10m
maxretry = 3
```

systemctl restart fail2ban

(Commande fail2ban-client status centreon disponible pour vérifier que la sécurité est activée)

- Activer le HTTPS/SSL sur le serveur

Installer les paquets suivants → `yum install httpd24-mod_ssl httpd24-mod_security openssl`

Sauvegarde de l'ancienne conf de Apache pour centreon → `cp /opt/rh/httpd24/root/etc/httpd/conf.d/10-centreon.conf{,.origin}`

Modification de /opt/rh/httpd24/root/etc/httpd/conf.d/10-centreon.conf →

```
Header set X-Frame-Options: "sameorigin"
Header always edit Set-Cookie ^(.*)$ $1;HttpOnly;Secure
ServerSignature Off
ServerTokens Prod
TraceEnable Off

Alias /centreon/api /usr/share/centreon
Alias /centreon /usr/share/centreon/www/

<LocationMatch ^/centreon/(?!api/latest/|api/beta/|api/v[0-9]+/|api/v[0-9]+\.[0-9]+/)(.*)\.php(/.*)?$>
    ProxyPassMatch fcgi://127.0.0.1:9042/usr/share/centreon/www/$1
</LocationMatch>

<LocationMatch ^/centreon/api/(latest/|beta/|v[0-9]+/|v[0-9]+\.[0-9]+/)(.*)$>
    ProxyPassMatch fcgi://127.0.0.1:9042/usr/share/centreon/api/index.php/$1
</LocationMatch>

ProxyTimeout 300

<VirtualHost *:80>
```

```

RewriteEngine On
RewriteCond %{HTTPS} off
RewriteRule (.*) https://%{HTTP_HOST}%{REQUEST_URI}
</VirtualHost>

<VirtualHost *:443>
#####
# SSL configuration #
#####
    SSLEngine On
    SSLProtocol All -SSLv3 -SSLv2 -TLSv1 -TLSv1.1
    SSLCipherSuite ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-
ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-POLY1305:DHE-DSS-AES256-GCM-
SHA384:DHE-DSS-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-SHA:ECDHE-ECDSA-AES128-
SHA:ECDHE-ECDSA-AES256-SHA384:ECDHE-ECDSA-AES128-SHA256:ECDHE-RSA-AES256-GCM-
SHA384:ECDHE-RSA-AES128-GCM-SHA256:AES256-GCM-SHA384:AES128-GCM-
SHA256:!aNULL:!eNULL:!LOW:!3DES:!MD5:!EXP:!PSK:!DSS:!RC4:!SEED:!ADH:!IDEA
    SSLHonorCipherOrder On
    SSLCompression Off
    SSLCertificateFile /etc/pki/tls/certs/localhost.crt
    SSLCertificateKeyFile /etc/pki/tls/private/localhost.key

    <Directory "/usr/share/centreon/www">
        DirectoryIndex index.php
        Options Indexes
        AllowOverride all
        Order allow,deny
        Allow from all
        Require all granted
        <IfModule mod_php5.c>
            php_admin_value engine Off
        </IfModule>

        FallbackResource /centreon/index.html

        AddType text/plain hbs
    </Directory>

    <Directory "/usr/share/centreon/api">
        Options Indexes
        AllowOverride all
        Order allow,deny
        Allow from all
        Require all granted
        <IfModule mod_php5.c>
            php_admin_value engine Off
        </IfModule>

        AddType text/plain hbs
    </Directory>
</VirtualHost>

```

RedirectMatch ^/\$ /centreon
------------------------------

Vérifier dans **/etc/opt/rh/rh-php73/php.d/50-centreon.ini** ➔

**expose\_php = Off**

Cacher le répertoire /icons ➔ Dans **/opt/rh/httpd24/root/etc/httpd/conf.d/autoindex.conf** :

Commenter #Alias /icons/ "/opt/rh/httpd24/root/usr/share/httpd/icons/"

Désactiver mod\_security boundary ➔ Dans

**/opt/rh/httpd24/root/etc/httpd/conf.d/mod\_security.conf** :

Commenter

```
#SecRule MULTIPART_UNMATCHED_BOUNDARY "!@eq 0" \  
#"id:'200003',phase:2,t:none,log,deny,status:44,msg:'Multipart parser  
detected a possible unmatched boundary.'"
```

Redémarrer les services Apache et PHP ➔ `systemctl restart rh-php73-php-fpm  
httpd24-httpd`

(Pour vérifier s'il y a des erreurs ➔ `systemctl status httpd24-httpd`

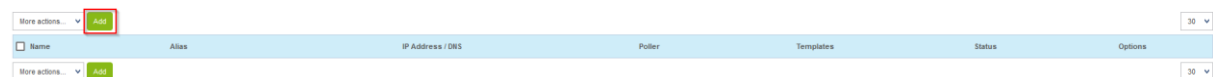
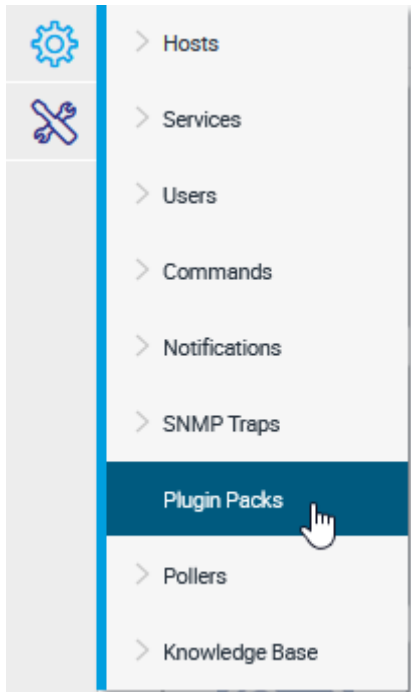
Penser à ajouter une nouvelle règle au pare-feu :

```
firewall-cmd --zone=public --add-service=https --permanent  
firewall-cmd --reload
```

# Réponse ping sur tous les équipements

Création hôte Livebox :

Ajout de quelques plugins packs :



Modify a Host

Host basic information

Name \* LIVEBOX

Alias Livebox Pro

IP Address / DNS \* 192.168.0.254

SNMP Community & Version public 1

Monitored from Central

Timezone / Location Europe/Paris

Templates

Host check options

Check Command Check Command

Args

Custom macros

Scheduling options

Check Period 24x7

Max Check Attempts 10

Normal Check Interval 1 \* 60 seconds

Retry Check Interval 1 \* 60 seconds

Active Checks Enabled Yes

Passive Checks Enabled Yes

Save Reset







**Modify a Service**

**Service Basic Information**

Description \*

Linked with Hosts \* 

Borne\_WiFi
Imprimante\_HP
LIVEBOX
Switch\_Cisco
Vidéo\_projecteur

Template

**Service Check Options**

Check Command \*

+ Add a new entry

Custom macros

☐ Template inheritance  
☐ Command inheritance

Name	Value	Password
PACKETNUMBER	5	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
WARNING	200,20%	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
CRITICAL	400,50%	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Args

Argument: No argument found for this command

**Service Scheduling Options**

Check Period

Max Check Attempts

Normal Check Interval  \* 60 seconds

Retry Check Interval  \* 60 seconds

Active Checks Enabled ☒ Yes ☐ No ☐ Default

Passive Checks Enabled ☒ Yes ☐ No ☐ Default

Is Volatile ☐ Yes ☐ No ☒ Default

**Save** **Reset**

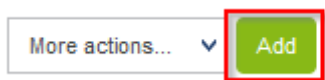
## Supervision imprimante HP

Utilisation du plugin Nagios suivant :

<https://exchange.nagios.org/directory/Plugins/Hardware/Printers/SNMP-Printer-Check/details>

- Copie du fichier du plugin dans le dossier des plugins Centreon : /usr/lib/centreon/plugins (variable \$CENTREONPLUGINS\$)
- Création de trois nouvelles commandes correspondant à l'encre noire restantes, le nombre de feuilles restantes et le modèle/numéro de série de l'imprimante :

Dans Configuration → Commands → Check : Add



Toner noir restant :

Configuration > Commands > Checks

**Modify a Command**

Check

Command Name \*

Command Type ☒ Notification ☐ Check ☐ Alias ☐ Discovery

Command Line \*

Enable shell ☐

Modèle et numéro de série :

Configuration > Commands > Checks

Save Reset

Modify a Command

Check

Command Name \* Modèle\_de\_imprimante

Command Type Notification ☐ Check ☒ Misc ☐ Discovery

Command Line \* \$CENTREONPLUGINS/check\_snmp\_printer -H \$HOSTADDRESS -C public -t MODEL

Enable shell ☐

SCENTREONPLUGINS (Centreon Plugins Path)

/check\_snmp

SACMINEMAILS

Nombre de pages restantes :

Configuration > Commands > Checks

Save Reset

Modify a Command

Check

Command Name \* Nombre\_de\_pages\_restantes

Command Type Notification ☐ Check ☒ Misc ☐ Discovery

Command Line \* \$CENTREONPLUGINS/check\_snmp\_printer -H \$HOSTADDRESS -C public -t PAGECOUNT

Enable shell ☐

Argument Example

SCENTREONPLUGINS (Centreon Plugins Path)

/check\_snmp

SACMINEMAILS

Voici les trois commandes créées :

Configuration > Commands > Checks

Command

Locked elements

Search

More actions... Add

Name	Command Line	Type	Host Uses	Services Uses	Status	Options
Encre_nbre_restante	\$CENTREONPLUGINS/check_snmp_printer -H \$HOSTADDRESS...	Check	0 (0)	1 (0)	ENABLED	1
Modèle_de_imprimante	\$CENTREONPLUGINS/check_snmp_printer -H \$HOSTADDRESS...	Check	0 (0)	1 (0)	ENABLED	1
Nombre_de_pages_restantes	\$CENTREONPLUGINS/check_snmp_printer -H \$HOSTADDRESS...	Check	0 (0)	1 (0)	ENABLED	1

More actions... Add

- Ensuite, créer trois services avec les trois commandes différentes :

Configuration > Services > Services by host

General Information Notifications Templates Data Processing Extended Info

Save Reset

Modify a Service

Service Basic Information

Description \* Modèle et numéro de série

Linked with Hosts \* Imprimante\_HP

Template Template

Service Check Options

Check Command \* Modèle\_de\_imprimante

Custom macros

Template inheritance

Command inheritance

Args

Argument

Value

Example

Service Scheduling Options

Check Period 24x7

Max Check Attempts 10

Normal Check Interval 1 \* 60 seconds

Retry Check Interval 1 \* 60 seconds

Active Checks Enabled Yes ☒ No ☐ Default ☐

Passive Checks Enabled Yes ☒ No ☐ Default ☐

Is Visible Yes ☒ No ☐ Default ☐

Save Reset

Modify a Service

Service Basic Information

Description \* Pages restantes

Linked with Hosts \* imprimante\_02

Template Template

Service Check Options

Check Command \* Nombre\_de\_pages\_restantes

Custom macros

Template inheritance Command inheritance

Add a new entry  
Nothing here, use the "Add" button

Args

Argument	Value	Example
No argument found for this command		

Service Scheduling Options

Check Period 24x7

Max Check Attempts 10

Normal Check Interval 1 \* 60 seconds

Retry Check Interval 1 \* 60 seconds

Active Checks Enabled Yes No Default

Passive Checks Enabled Yes No Default

Is Volatile Yes No Default

Save Reset

Modify a Service

Service Basic Information

Description \* Toner noir restant

Linked with Hosts \* imprimante\_02

Template Template

Service Check Options

Check Command \* Encres\_noires\_restantes

Custom macros

Template inheritance Command inheritance

Add a new entry  
Nothing here, use the "Add" button

Args

Argument	Value	Example
No argument found for this command		

Service Scheduling Options

Check Period 24x7

Max Check Attempts 10

Normal Check Interval 1 \* 60 seconds

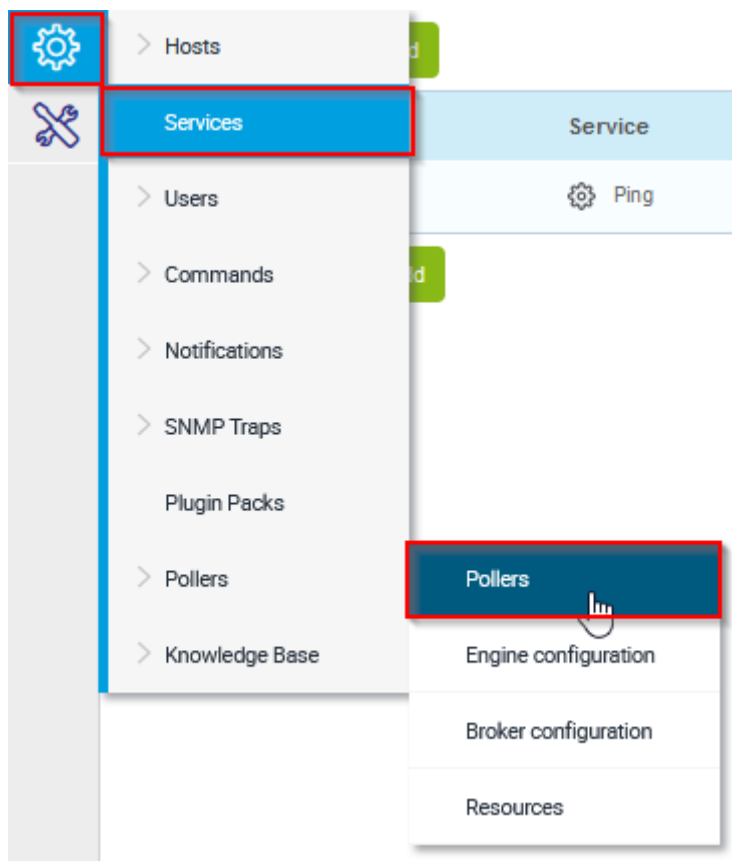
Retry Check Interval 1 \* 60 seconds

Active Checks Enabled Yes No Default

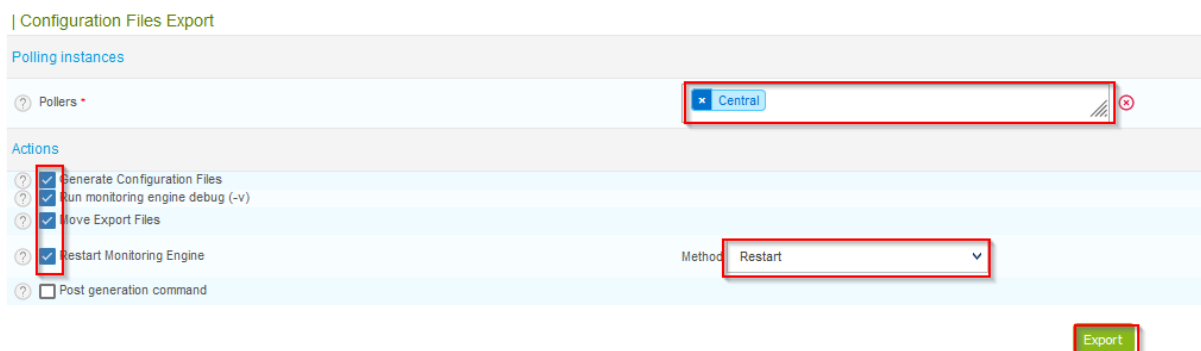
Passive Checks Enabled Yes No Default

Is Volatile Yes No Default

Save Reset



Export configuration (pour redémarrer le service de supervision) →



Voici le résultat final :

<input type="checkbox"/>	OK	S	Pages restantes	● Imprimante_HP	1d 19h	1/10 (H)	2m 21s	Pagecount is 2,862.
<input type="checkbox"/>	OK	S	Modèle et numéro de série	● Imprimante_HP	1d 18h	1/10 (H)	20s	HP LaserJet MFP M426fdw, Serial # PHBLLCM80N
<input type="checkbox"/>	OK	S	Toner noir restant	● Imprimante_HP	1h 23m	1/10 (H)	41s	Black Cartridge HP CF226X is at 85% - OK!

## Supervision switch Cisco HOS4

Problème → snmp table request timeout :

<input type="checkbox"/>	UNKNOWN	S	Traffic Internet	● Switch_Cisco	1d 17h	10/10 (H)	59s	UNKNOWN: SNMP Table Request: Timeout
<input type="checkbox"/>	UNKNOWN	S	Traffic imprimante	● Switch_Cisco	1d 17h	10/10 (H)	59s	UNKNOWN: SNMP Table Request: Timeout
<input type="checkbox"/>	UNKNOWN	S	Memory	● Switch_Cisco	1d 17h	3/3 (H)	59s	UNKNOWN: SNMP Table Request: Timeout
<input type="checkbox"/>	UNKNOWN	S	Cpu	● Switch_Cisco	1d 17h	3/3 (H)	59s	UNKNOWN: SNMP Table Request: Timeout
<input type="checkbox"/>	UNKNOWN	S	Environment	● Switch_Cisco	1d 17h	3/3 (H)	59s	UNKNOWN: SNMP Table Request: Timeout

Résolution : Le switch bloquait mes requêtes SNMP car mon adresse IP ne figurait pas dans la liste de lecture, après modification ➔ **OK**.

- Création des trois services correspondants à l'analyse du trafic réseau de la fibre, d'Internet et du l'imprimante :

Configuration > Services > Services by host

General Information | Notifications | Systems | Data Processing | Extended info

Save | Reset

### Modify a Service

Service Basic Information

Description: Traffic fibre

Linked with Hosts: Switch\_Cisco

Template: Net-Cisco-Standard-Traffic-Generic-Name-SNMP

Service Check Options

Check Command: Check Command

Add a new entry

Name	Value	Password
INTERFACENAME	gi27	
WARNINGIN	80	
CRITICALIN	90	
WARNINGOUT	80	
CRITICALOUT	90	
EXTRAOPTIONS		

Custom macros

Template inheritance

Command inheritance

Args

Argument: No argument found for this command

Value

Example

Configuration > Services > Services by host

General Information | Notifications | Systems | Data Processing | Extended info

Save | Reset

### Modify a Service

Service Basic Information

Description: Traffic imprimante

Linked with Hosts: Switch\_Cisco

Template: Net-Cisco-Standard-Traffic-Generic-Name-SNMP

Service Check Options

Check Command: Check Command

Add a new entry

Name	Value	Password
INTERFACENAME	gi12	
WARNINGIN	80	
CRITICALIN	90	
WARNINGOUT	80	
CRITICALOUT	90	
EXTRAOPTIONS		

Custom macros

Template inheritance

Command inheritance

Args

Argument: No argument found for this command

Value

Example

Service Scheduling Options

Configuration > Services > Services by host

General Information | Notifications | Systems | Data Processing | Extended info

Save | Reset

### Modify a Service

Service Basic Information

Description: Traffic Internet

Linked with Hosts: Switch\_Cisco

Template: Net-Cisco-Standard-Traffic-Generic-Name-SNMP

Service Check Options

Check Command: Check Command

Add a new entry

Name	Value	Password
INTERFACENAME	gi24	
WARNINGIN	80	
CRITICALIN	90	
WARNINGOUT	80	
CRITICALOUT	90	
EXTRAOPTIONS		

Custom macros

Template inheritance

Command inheritance

Args

Argument: No argument found for this command

Value

Example

Service Scheduling Options

Voici le résultat final :

<input type="checkbox"/>	OK	S	Traffic Internet	Switch_Cisco	2m 21s	9/10 (S)	2m 21s	OK: Interface 'gi24' Status : up (admin: up), Traffic In : Buffer creation, Traffic Out : Buffer creation
<input type="checkbox"/>	OK	S	Traffic imprimante	Switch_Cisco	3m 51s	1/10 (H)	24s	OK: Interface 'gi12' Status : up (admin: up), Traffic In : 78.98Kb/s (0.01%), Traffic Out : 22.11Kb/s (0.00%)
<input type="checkbox"/>	OK	S	Traffic fibre	Switch_Cisco	2m 21s	1/10 (H)	45s	OK: Interface 'gi27' Status : up (admin: up), Traffic In : 240.79Kb/s (0.02%), Traffic Out : 320.83Kb/s (0.03%)

## Supervision machine Windows

- Ajouter la machine physique avec le template « OS-Windows-SNMP-custom » :

More actions... **Add**

Host basic information

Name \* H054POST04

Alias Poste 4 salle H054

IP Address / DNS \* 192.168.0.4

SNMP Community & Version public 1

Monitored from Central

Timezone / Location Timezone / Location

Templates A host can have multiple templates, their orders have a significant importance. There is a self-explanatory icon.

OS-Windows-SNMP-custom

Create Services linked to the Template too

Yes No

Host check options

Check Command

Args

Custom macros

Template inheritance

Command inheritance

Scheduling options

Check Period 24x7

Max Check Attempts 10

Normal Check Interval 1 \* 60 seconds

Retry Check Interval 1 \* 60 seconds

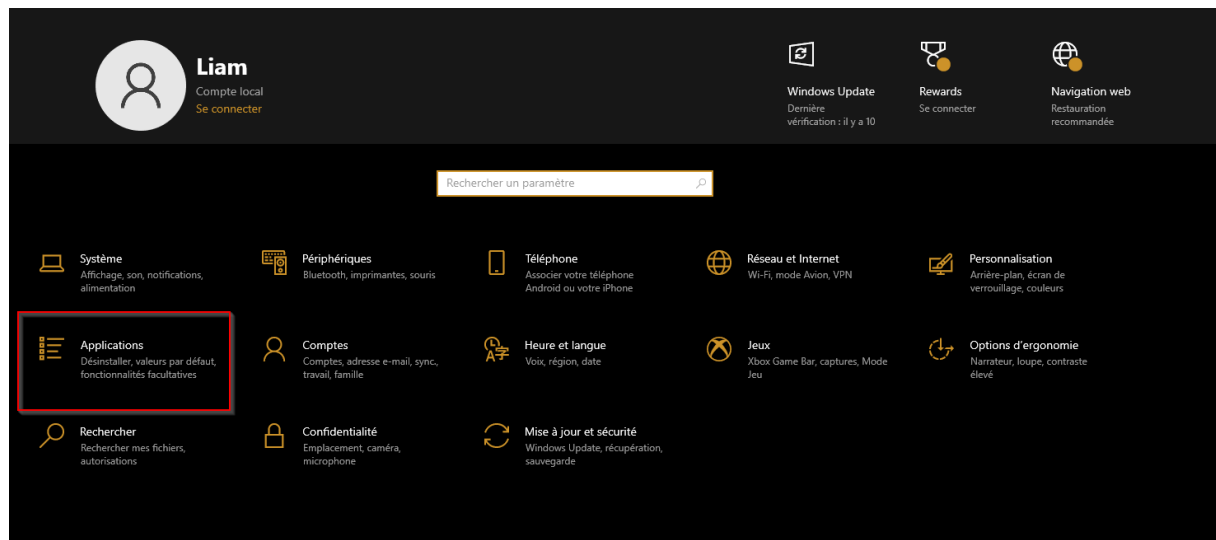
Active Checks Enabled Yes No Default

Passive Checks Enabled Yes No Default

Save Reset

- Renommer les services créés par défaut si souhaité
- Activer SNMP sous Windows 10 :

### Dans les paramètres Windows 10 :



Accueil

Rechercher un paramètre

Applications

Applications et fonctionnalités

Applications par défaut

Cartes hors connexion

Applications pour les sites web

Lecture de vidéos

Démarrage

Applications et fonctionnalités

Choisir l'origine des applications

L'installation d'applications uniquement à partir du Microsoft Store contribue à protéger votre appareil.

N'importe où

Applications et fonctionnalités

Fonctionnalités facultatives

Alias d'exécution d'application






Effectuez des opérations de recherche, de tri et de filtrage par lecteur. Si vous voulez désinstaller ou déplacer une application, sélectionnez-la dans la liste.

Rechercher dans cette liste

Trier par : Nom

Filtrer par : Tous les lecteurs

88 application(s) trouvée(s)

	7-Zip 19.00 (x64)	4,96 Mo	06/07/2021
	Alarms et horloge Microsoft Corporation	16,0 Ko	06/07/2021
	Amazon Music		01/11/2021
	App Installer Microsoft Corporation	16,0 Ko	02/10/2021
	Audacity 3.0.5 (64-bit)	113 Mo	

Fonctionnalités facultatives





Ajouter une fonctionnalité

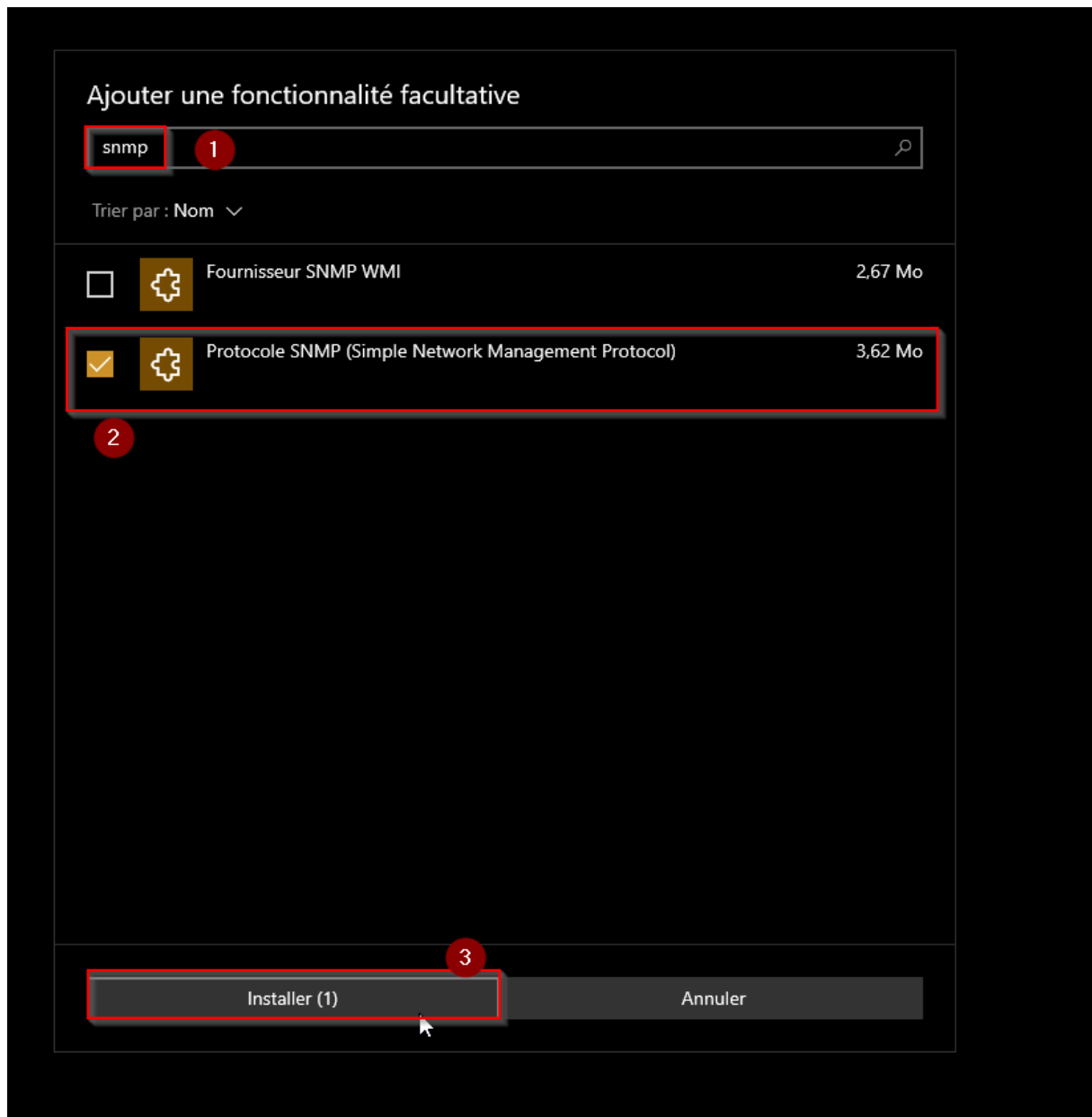
Voir l'historique des fonctionnalités facultatives

Fonctionnalités installées

Rechercher une fonctionnalité facultative installée

Trier par : Nom

	Assistance rapide Microsoft	2,89 Mo
	Bloc-notes	632 Ko
	Client OpenSSH	10,1 Mo
	Console de gestion de l'impression	2,38 Mo 07/12/2019



- Après l'installation, aller dans les services Windows (services.msc) :



Services

Fichier Action Affichage ?

Services (local)

Service SNMP

[Arrêter](#) le service  
[Redémarrer](#) le service

Description :  
Permet aux requêtes SNMP (Simple Network Management Protocol) d'être traitées par cet ordinateur. Si ce service est arrêté, l'ordinateur ne pourra pas traiter les requêtes SNMP. Si ce service est désactivé, tous les services qui en dépendent explicitement ne pourront pas démarrer.

Nom	Description	État	Type de démarrage
Service Gestionnaire d'accès...	Fournit des ...	En co...	Manuel
Service hôte du fournisseur ...	Le service h...		Manuel (Déclenche...
Service hôte WDIServiceHost	Le service H...	En co...	Manuel
Service Hyper-V PowerShell...	Fournit un ...		Manuel (Déclenche...
Service Initiateur iSCSI de M...	Gère les ses...		Manuel
Service Interface du magasi...	Ce service f...	En co...	Automatique
Service KtmRm pour Distrib...	Coordonne ...		Manuel (Déclenche...
Service Liste des réseaux	Identifie les ...	En co...	Manuel
Service Medic de Windows ...	Active la co...		Manuel
Service Partage réseau du L...	Partage les ...		Manuel
Service Point d'accès sans fi...	Permet de p...		Manuel (Déclenche...
Service pour utilisateur de p...	Ce service u...	En co...	Automatique
Service Protection avancée ...	Le service P...		Manuel
Service Pulsation Microsoft ...	Surveille l'ét...		Manuel (Déclenche...
Service PushToInstall de Wi...	Offre une pr...		Manuel (Déclenche...
Service Routeur SMS Micros...	Achemine l...		Manuel (Déclenche...
Service Sécurité Windows	Le service S...	En co...	Manuel
Service SNMP	Permet aux ...	En co...	Automatique
Service State Repository (St...	Fournit la pr...	En co...	Manuel
Service Synchronisation dat...	Synchronise...		Manuel (Déclenche...
Service téléphonique	Gère l'état d...	En co...	Manuel (Déclenche...

Étendu / Standard

Propriétés de Service SNMP (Ordinateur local)



Interruptions	Sécurité	Dépendances
Général	Connexion	Récupération Agent

Ouvrir une session en tant que :

☒ Compte système local  
☒ Autoriser le service à interagir avec le Bureau

☐ Ce compte :

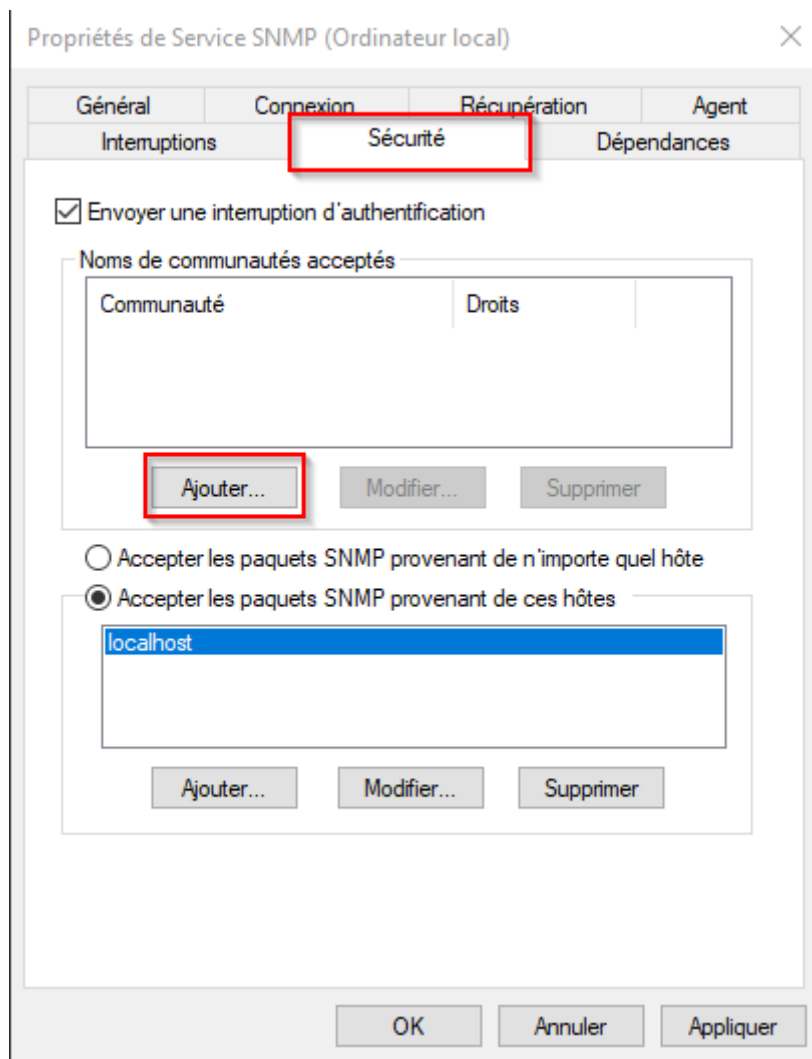
Mot de passe :

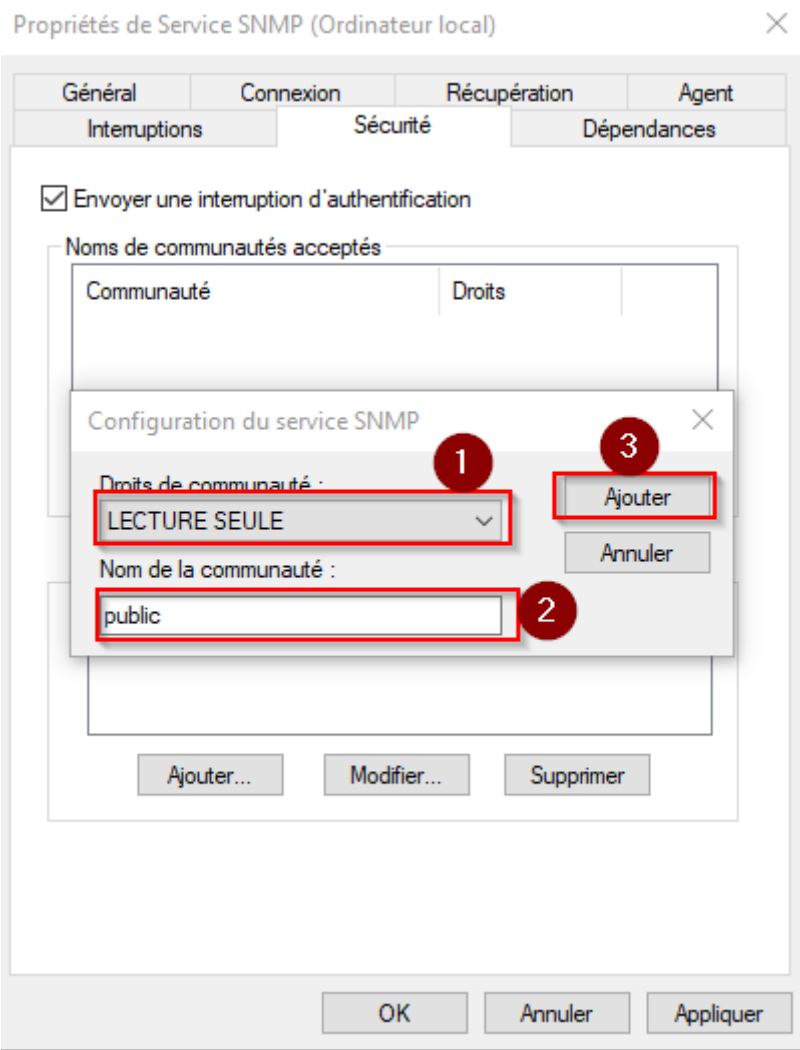
Confirmer le mot de passe :

Propriétés de Service SNMP (Ordinateur local)



Interruptions		Sécurité		Dépendances	
Général		Connexion		Récupération	
				Agent	
<p>Les systèmes de gestion d'Internet peuvent demander au service SNMP d'indiquer la personne contact, l'emplacement du système et les services de réseau pour cet ordinateur.</p>					
Contact :		<input type="text"/>			
Emplacement :		<input type="text"/>			
<p>Service</p>					
<input checked="" type="checkbox"/> Physique		<input checked="" type="checkbox"/> Applications		<input checked="" type="checkbox"/> Liaison de données et sous-réseau	
<input checked="" type="checkbox"/> Internet		<input checked="" type="checkbox"/> Bout en bout			
<p>OK Annuler Appliquer</p>					





Général	Connexion	Récupération	Agent
Interruptions	Sécurité	Dépendances	

☒ Envoyer une interruption d'authentification

Noms de communautés acceptés

Communauté	Droits
public	LECTURE SE...

Ajouter... Modifier... Supprimer

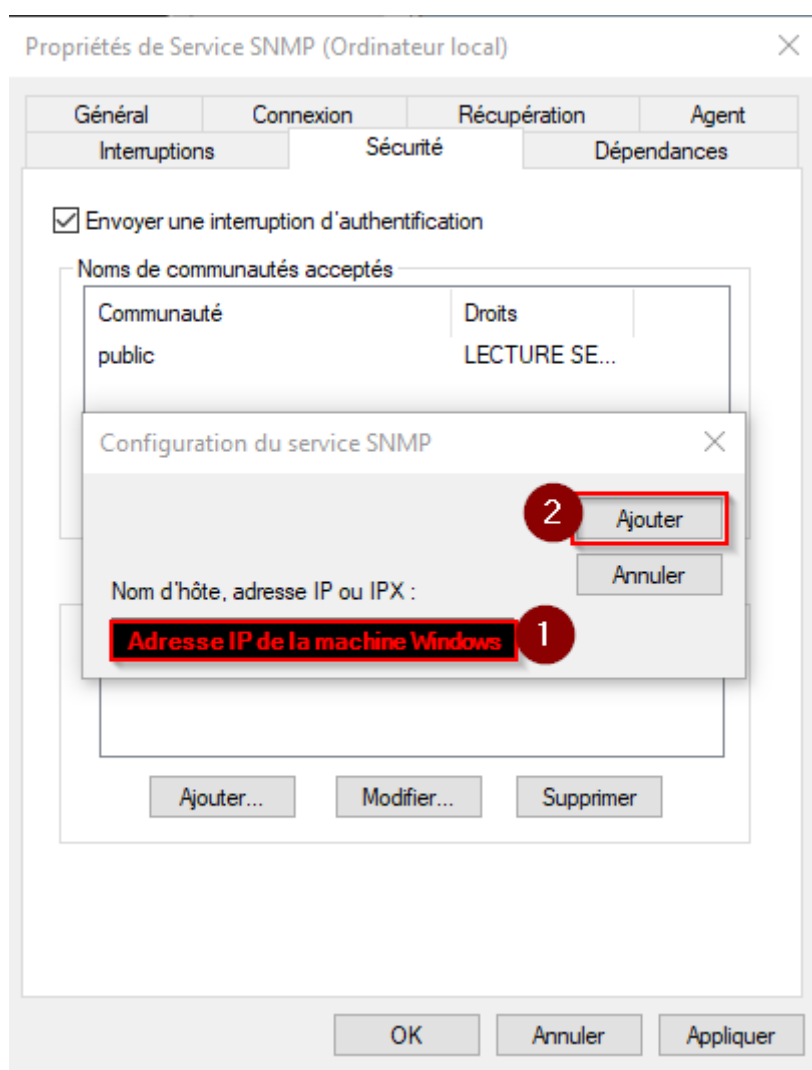
☐ Accepter les paquets SNMP provenant de n'importe quel hôte

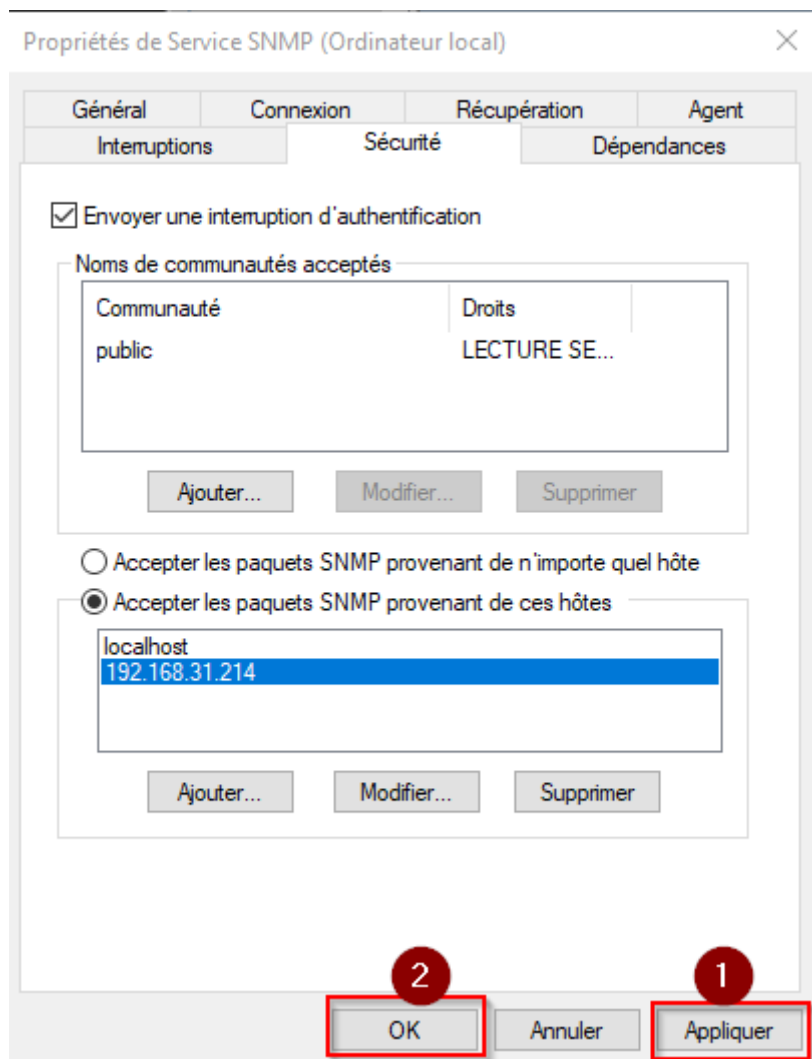
☒ Accepter les paquets SNMP provenant de ces hôtes

localhost
-----------

Ajouter... Modifier... Supprimer

OK Annuler Appliquer





Ajout du service pour le trafic de la carte réseau :





Add a Service

Service Basic Information

Description \*

Trafic resseau

Linked with Hosts \*

Nom du PC dans Centreon

Template

OS-Windows-Traffic-Generic-Name-SNMP

Service Check Options

Check Command \*

Check Command

+ Add a new entry

Name

INTERFACENAME

Value

ethernet

Nom de la carte réseau dans Windows (ethernet; ethernet\_2; ethernet\_3; ...)

Name

WARNINGIN

Value

80

Password

Name

CRITICALIN

Value

90

Password

Name

WARNINGOUT

Value

80

Password

Name

CRITICALOUT

Value

90

Password

Name

EXTRAOPTIONS

Value

Password

Custom macros

Template inheritance

Command inheritance

Args

Argument

No argument found for this command

Value

Service Scheduling Options

Check Period

24x7

Max Check Attempts

10

Normal Check Interval

1

\* 60 seconds

Retry Check Interval

1

\* 60 seconds

Active Checks Enabled

Yes

No

Default

Passive Checks Enabled

Yes

No

Default

Is Volatile

Yes

No

Default

Save







Reset

Voici le résultat final :

<input type="checkbox"/>	S	Status ↑	Resource	Parent	Notes	Action	Graph	Duration	Tries	Last check	Information
<input type="checkbox"/>		OK	Memmoire Swap	PC_Liam				4m 18s	1/3 (H)	4m 18s	OK: Swap Total: 18.30 GB Used: 8.12 GB (44.36%) Free: 10.18 GB (55.64%)
<input type="checkbox"/>		OK	Memmoire RAM	PC_Liam				4m 18s	1/3 (H)	4m 18s	OK: Ram Total: 15.93GB Used: 5.96GB (37.44%) Free: 9.96GB (62.56%)
<input type="checkbox"/>		OK	Processeur	PC_Liam				4m 18s	1/3 (H)	4m 18s	OK: 16 CPU(s) average usage is 8.44 %
<input type="checkbox"/>		OK	Ping	PC_Liam				11m 49s	1/3 (H)	39s	OK - 192.168.31.66 rta 0.139ms lost 0%
<input type="checkbox"/>		OK	Trafic resseau	PC_Liam				1m 39s	1/10 (H)	39s	OK: Interface 'ethernet_2' Status : up (admin: up), Traffic In : 618.07Kb/s (0.06%), Traffic Out: 17.79Kb/s (0.00%)

## Résultats finaux

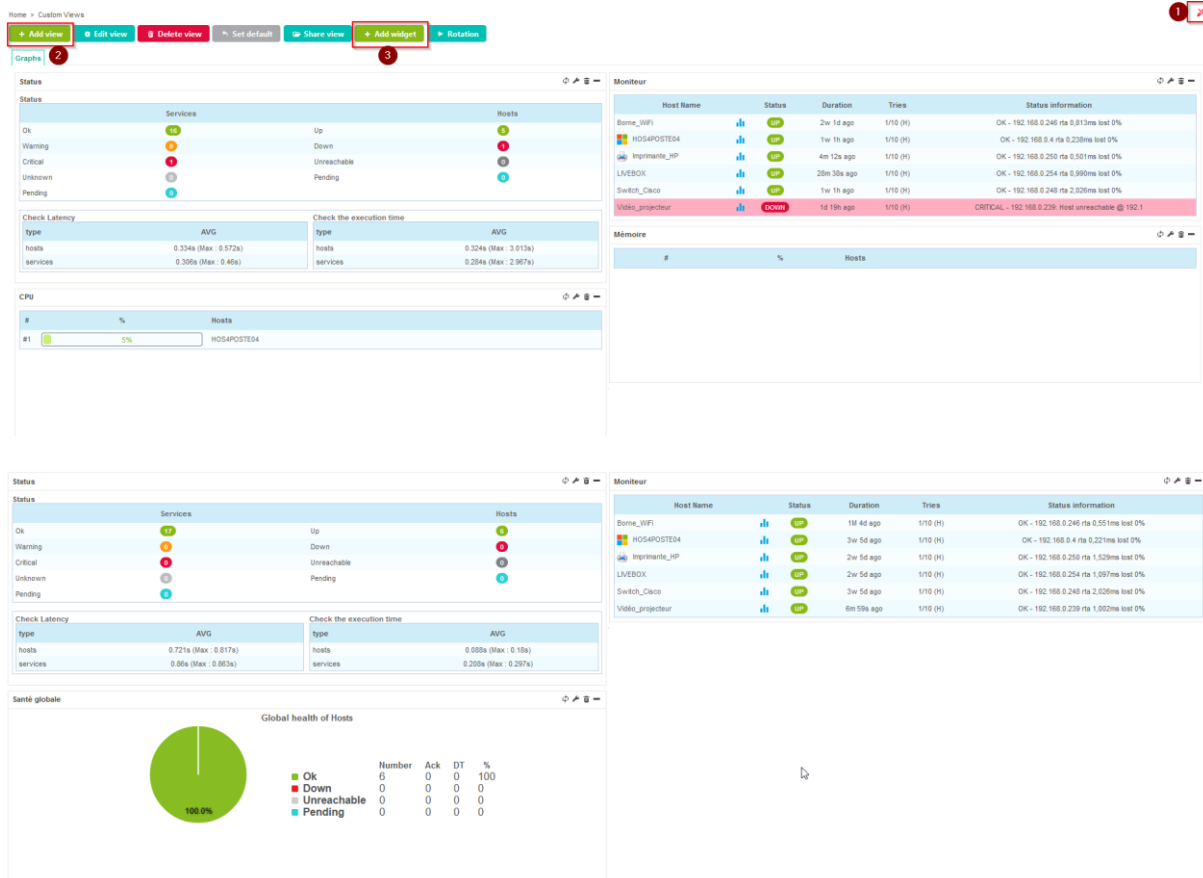
More actions...	1/41						30 ▼
<input type="checkbox"/> Host	Service	Scheduling	Template	Status	Options		
 Some_SMP1	Ping	1 min / 1 min	→ Base-Ping-LAN → generic-active-service-custom → generic-active-service	ENABLED	 1		
 RCSI4POSTED4	CPU	1 min / 1 min	→ OS-Windows-Cpu-SNMP-custom → OS-Windows-Cpu-SNMP → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Disque Dur C	1 min / 1 min	→ OS-Windows-Disk-Generic-M-SNMP-custom → OS-Windows-Disk-Generic-M-SNMP → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Mémoire RAM	1 min / 1 min	→ OS-Windows-Memory-SNMP-custom → OS-Windows-Memory-SNMP → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Mémoire Swap	1 min / 1 min	→ OS-Windows-Swap-SNMP-custom → OS-Windows-Swap-SNMP → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Ping	1 min / 1 min	→ Base-Ping-LAN → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Traffic réseau	1 min / 1 min	→ OS-Windows-Traffic-Generic-Name-SNMP-custom → OS-Windows-Traffic-Generic-Name-SNMP → generic-active-service-custom → ...	ENABLED	 1		
 Imprimante_HP	Modèle et numéro de série	1 min / 1 min		ENABLED	 1		
<input type="checkbox"/>	Pages restantes	1 min / 1 min		ENABLED	 1		
<input type="checkbox"/>	Ping	1 min / 1 min	→ Base-Ping-LAN → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Toner noir restant	1 min / 1 min		ENABLED	 1		
 LIVEBOX	Ping	1 min / 1 min	→ Base-Ping-LAN → generic-active-service-custom → generic-active-service	ENABLED	 1		
 Switch_Cisco	Ping	1 min / 1 min	→ Base-Ping-LAN → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Traffic fibre	1 min / 1 min	→ Net-Cisco-Standard-Traffic-Generic-Name-SNMP → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Traffic imprimante	1 min / 1 min	→ Net-Cisco-Standard-Traffic-Generic-Name-SNMP → generic-active-service-custom → generic-active-service	ENABLED	 1		
<input type="checkbox"/>	Traffic Internet	1 min / 1 min	→ Net-Cisco-Standard-Traffic-Generic-Name-SNMP → generic-active-service-custom → generic-active-service	ENABLED	 1		
 VMes_projecteur	Ping	1 min / 1 min	→ Base-Ping-LAN → generic-active-service-custom → generic-active-service	ENABLED	 1		

<input type="checkbox"/>	S	Status ↑	Resource	Parent	N	A	G	Duration	Tries	Last check	Information
<input type="checkbox"/>		UP	 LIVEBOX					2w 5d	1/10 (H)	46s	OK - 192.168.0.254 rta 0,779ms lost 0%
<input type="checkbox"/>		UP	 Imprimante_HP					2w 5d	1/10 (H)	56s	OK - 192.168.0.250 rta 0,413ms lost 0%
<input type="checkbox"/>		UP	 Switch_Cis co					3w 5d	1/10 (H)	2w 5d	OK - 192.168.0.248 rta 2,026ms lost 0%
<input type="checkbox"/>		UP	 Borne_WiFi					1M 4d	1/10 (H)	1m 16s	OK - 192.168.0.246 rta 0,603ms lost 0%
<input type="checkbox"/>		UP	 Vidéo_projecteur					1m 21s	1/10 (H)	1m 26s	OK - 192.168.0.239 rta 1001,915ms lost 0%
<input type="checkbox"/>		UP	 HOS4POSTE04					3w 5d	1/10 (H)	31s	OK - 192.168.0.4 rta 15,198ms lost 0%

	#	Status ↑	Ressource	Parent	N	A	G	Duration	Tries	Last check	Information
		OK	S Ping	LIVEBOX				2w 5d	1/10 (H)	30s	OK - 192.168.0.254 rta 5,337ms lost 0%
		OK	S Ping	Imprimante_HP				3w 5d	1/10 (H)	30s	OK - 192.168.0.250 rta 6,857ms lost 0%
		OK	S Pages restantes	Imprimante_HP				2w 5d	1/10 (H)	30s	Pagecount is 2,974.
		OK	S Modèle et numéro de série	Imprimante_HP				2w 6d	1/10 (H)	30s	HP LaserJet MFP M426fdu, Serial # PHLLCLM80N
		OK	S Toner noir restant	Imprimante_HP				2w 5d	1/10 (H)	30s	Black Cartridge HP CF226X is at 83% - OK!
		OK	S Traffic internet	Switch_Cisco				2w 5d	10/10 (S)	30s	OK Interface "gi2/4" Status : up (admin: up), Traffic In : 21,25Mb/s (2.12%), Traffic Out : 1,27Mb/s (0.13%)
		OK	S Traffic imprimante	Switch_Cisco				2w 5d	1/10 (H)	30s	OK Interface "gi12" Status : up (admin: up), Traffic In : 38,39Kb/s (0.00%), Traffic Out : 48,57Kb/s (0.00%)
		OK	S Traffic fibre	Switch_Cisco				2w 5d	1/10 (H)	30s	OK Interface "gi27" Status : up (admin: up), Traffic In : 7,08Mb/s (0.71%), Traffic Out : 14,13Mb/s (1.41%)
		OK	S Ping	Switch_Cisco				3w 5d	1/10 (H)	30s	OK - 192.168.0.248 rta 10,405ms lost 0%
		OK	S Ping	Borne_WiFi				3w 5d	1/10 (H)	30s	OK - 192.168.0.245 rta 14,058ms lost 0%
		OK	S Ping	Vidéo_projecteur				38s	1/10 (H)	30s	OK - 192.168.0.239 rta 5,066ms lost 0%
		OK	S Mémoire Swap	HOS4P0STE04				3w 5d	1/10 (H)	30s	OK Swap Total: 18.09 GB Used: 6.04 GB (33.40%) Free: 12.05 GB (66.60%)
		OK	S Mémoire RAM	HOS4P0STE04				3w 5d	1/10 (H)	30s	OK Ram Total: 15.71GB Used: 5.46GB (34.76%) Free: 10.25GB (65.24%)
		OK	S CPU	HOS4P0STE04				3w 5d	1/10 (H)	30s	OK 12 CPU(s) average usage is 2.50 %
		OK	S Disque Dur C:	HOS4P0STE04				4w 10m	1/10 (H)	30s	OK Storage "C:" Usage Total: 475.69 GB Used: 68.55 GB (14.41%) Free: 407.14 GB (85.59%)
		OK	S Traffic réseau	HOS4P0STE04				3w 22m	1/10 (H)	30s	OK Interface "ethermel_2" Status : up (admin: up), Traffic In : 0.00b/s (0.00%), Traffic Out : 2.07b/s (0.00%)
		OK	S Ping	HOS4P0STE04				3w 5d	1/10 (H)	30s	OK - 192.168.0.4 rta 11,507ms lost 0%

# Améliorations du serveur de monitoring

Sur la page d'accueil ➔ dans custom view :



## Sources utilisées

<https://docs.centreon.com/21.04/en/installation/installation-of-a-central-server/using-centreon-iso.html>

<https://docs.centreon.com/21.04/en/installation/web-and-post-installation.html#web-installation>

Pour la partie MySQL => <https://doc.ubuntu-fr.org/phpmyadmin>

<https://docs.centreon.com/21.04/en/administration/secure-platform.html>

<https://docs.centreon.com/>

<https://exchange.nagios.org/directory/Plugins/Hardware/Printers/SNMP-Printer-Check/details>

<https://theitbros.com/snmp-service-on-windows-10/>