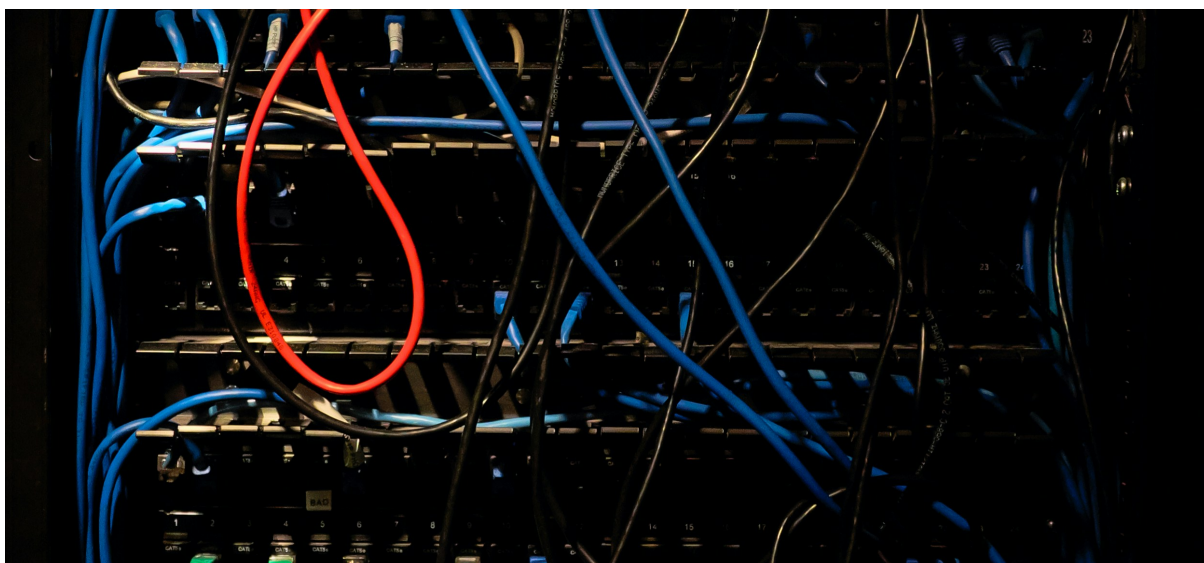




OCS Inventory

Objectif

Installer et configurer **OCS Inventory NG** sur une **VM Debian 12**, puis finaliser l'installation via le navigateur de la machine physique.

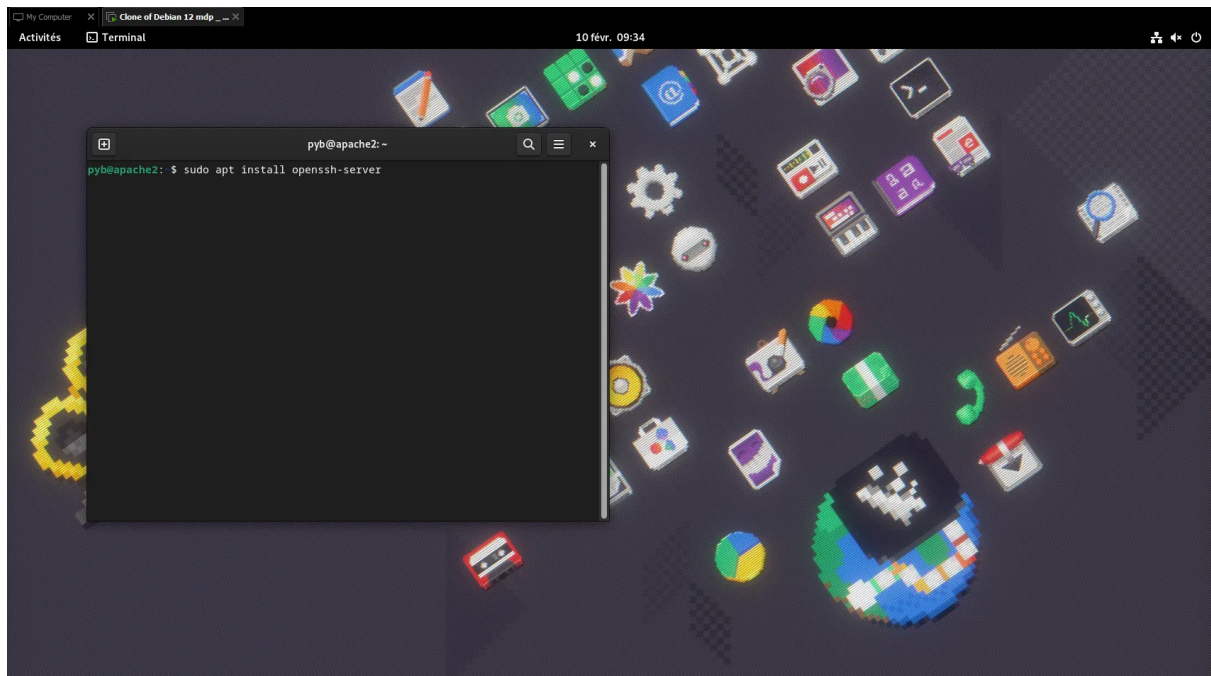
Pré-requis

- Une VM **Debian 12** avec accès réseau.
- Un accès **SSH** fonctionnel.
- Un client SSH (ex. **MobaXterm**) sur la machine physique.

1) Installer SSH (si nécessaire)

Installer le serveur SSH :

- `sudo apt install openssh-server`



2) Vérifier l'accès SSH

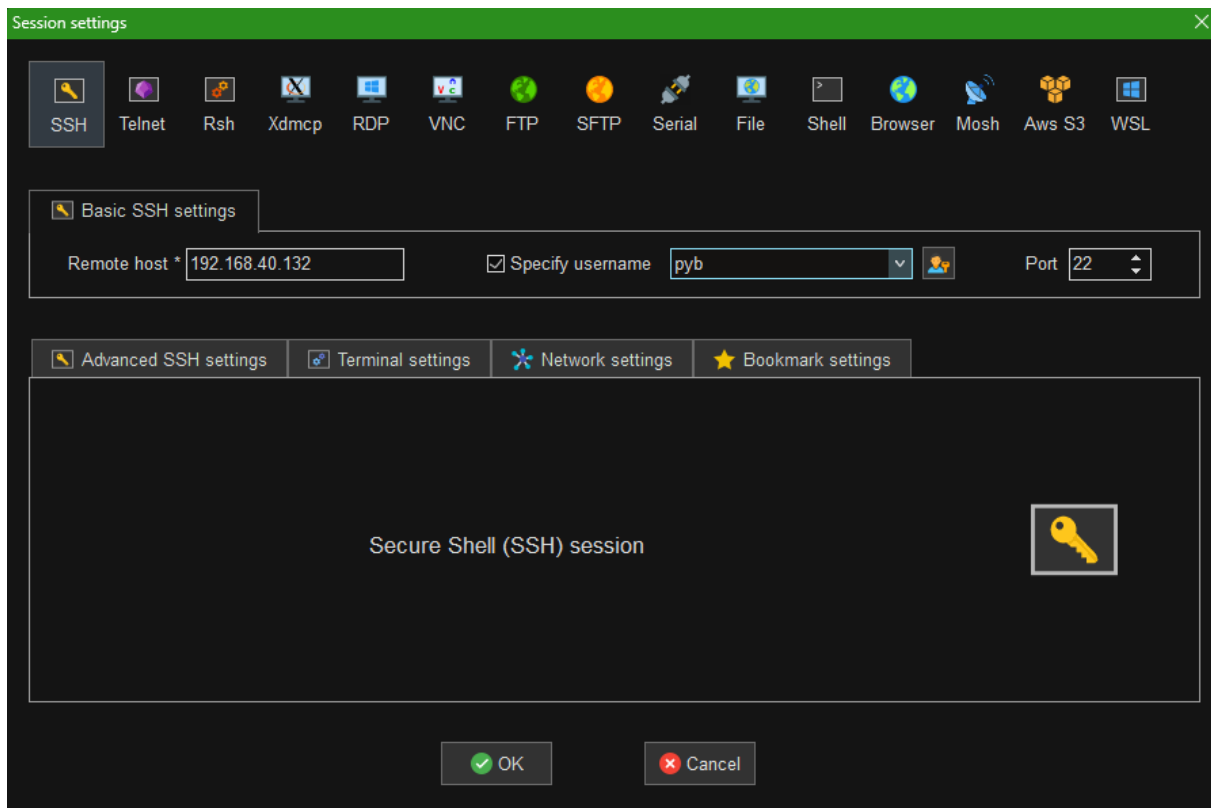
Vérifier que le service SSH fonctionne et que la VM est joignable.

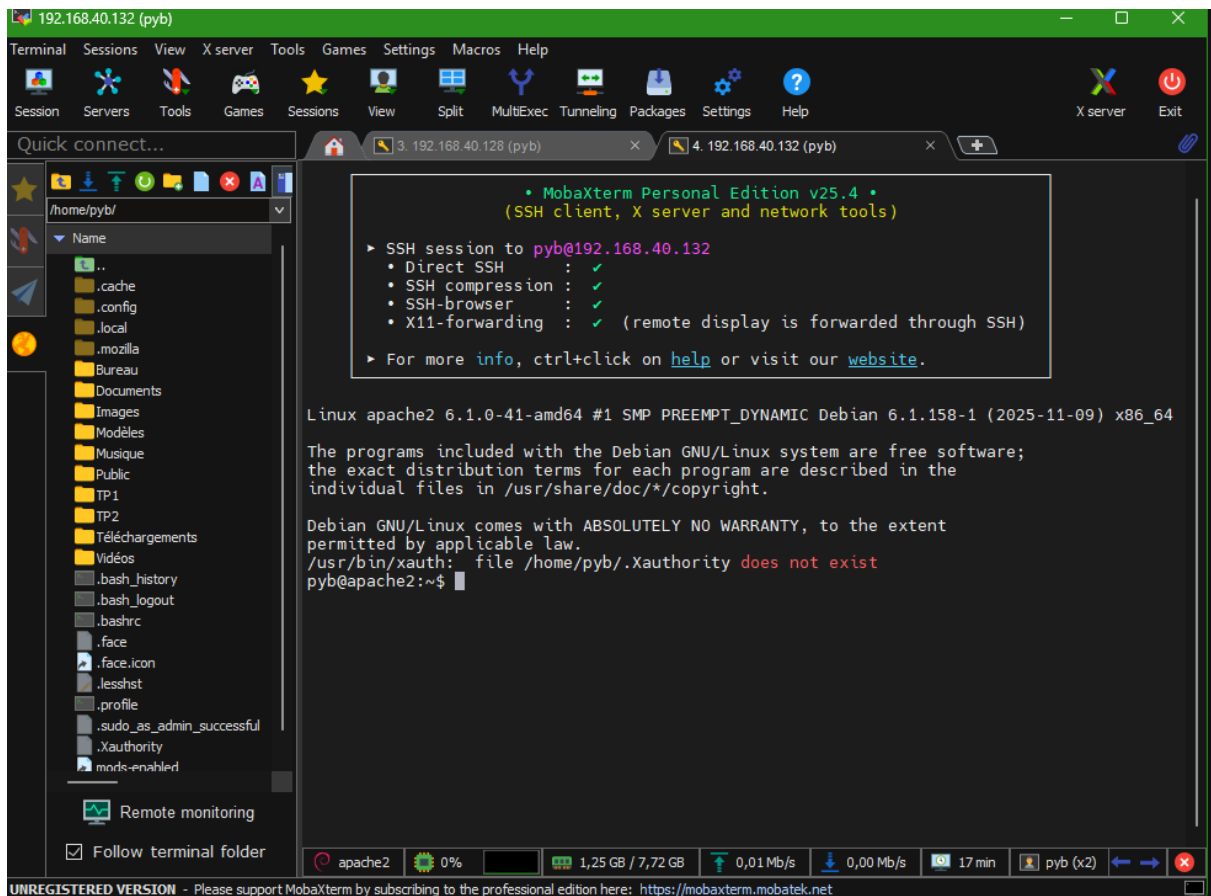
- `systemctl status ssh`

```
pyb@apache2: ~  
valid_lft forever preferred_lft forever  
inet6 ::1/128 scope host noprefixroute  
valid_lft forever preferred_lft forever  
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen  
1000  
link/ether 00:0c:29:54:88:b3 brd ff:ff:ff:ff:ff:ff  
altname enp2s1  
inet 192.168.40.132/24 brd 192.168.40.255 scope global dynamic noprefixroute ens33  
valid_lft 1207sec preferred_lft 1207sec  
inet6 fe80::20c:29ff:fe54:88b3/64 scope link noprefixroute  
valid_lft forever preferred_lft forever  
pyb@apache2:~$ systemctl status ssh  
• ssh.service - OpenBSD Secure Shell server  
Loaded: loaded (/lib/systemd/system/ssh.service; enabled; preset: enabled)  
Active: active (running) since Mon 2026-01-26 14:23:14 CET; 7min ago  
Docs: man:sshd(8)  
man:sshd_config(5)  
Main PID: 39991 (sshd)  
Tasks: 1 (limit: 9405)  
Memory: 5.0M  
CPU: 274ms  
CGroup: /system.slice/ssh.service  
└─39991 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"  
pyb@apache2:~$
```

3) Se connecter en SSH avec MobaXterm

1. Installer / ouvrir **MobaXterm**.
2. Créer une session **SSH** vers l'IP (ou le nom) de la VM.
3. S'authentifier avec l'utilisateur et le mot de passe de la VM.





4) Installer la pile Web (Apache, MariaDB, PHP)

Installer les paquets nécessaires :

- `apache2`
- `mariadb-server`
- `php`

```
pyb@apache2:~$ sudo apt install apache2 mariadb-server php -y
[sudo] Mot de passe de pyb :
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances... Fait
Lecture des informations d'état... Fait
apache2 est déjà la version la plus récente (2.4.66-1~deb12u1).
Le paquet suivant a été installé automatiquement et n'est plus nécessaire :
  linux-image-6.1.0-40-amd64
Veuillez utiliser « sudo apt autoremove » pour le supprimer.
Les paquets supplémentaires suivants seront installés :
  galera-4 gawk libapache2-mod-php8.2 libcgi-fast-perl libcgi-pm-perl
  libconfig-inifiles-perl libdbd-mariadb-perl libdbi-perl libfcgi-bin libfcgi-perl
  libfcgi0ldbl libhtml-template-perl libmariadb3 libsigsegv2 libterm-readkey-perl
  liburing2 mariadb-client mariadb-client-core mariadb-common
  mariadb-plugin-provider-bzip2 mariadb-plugin-provider-lz4
  mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo
  mariadb-plugin-provider-snappy mariadb-server-core mysql-common php-common php8.2
  php8.2-cli php8.2-common php8.2-opcache php8.2-readline pv rsync socat
```

5) Installer les dépendances Perl et les modules PHP/MySQL

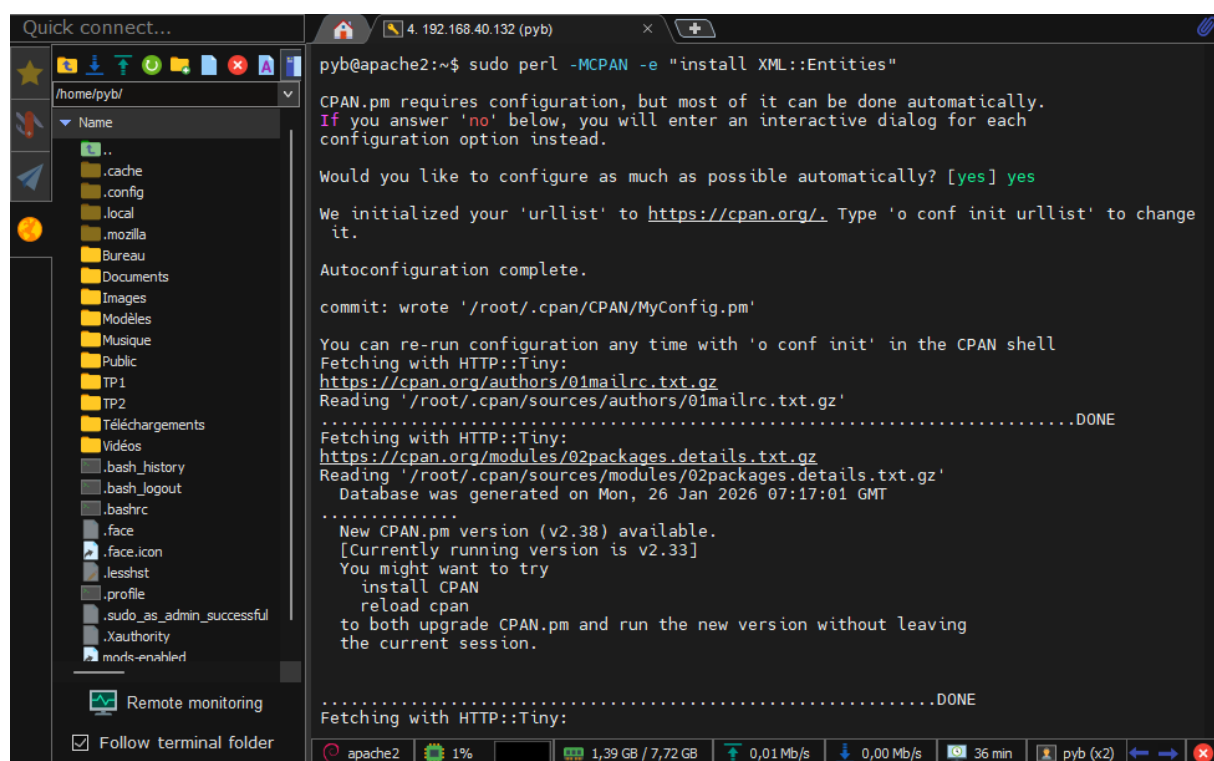
Installer les librairies et modules complémentaires requis par OCS.

```
root@apache2:/home/pyb# apt install -y libapache2-mod-perl2
apt install -y libxml-simple-perl
apt install -y libnet-ip-perl
apt install -y libsoap-lite-perl
apt install -y libapache2-mod-perl2-dev
apt install -y make
apt install -y php-mysql
apt install -y php-gd
apt install -y php-mbstring
apt install -y php-soap
apt install -y php-xml
apt install -y php-curl
```

6) Installer les modules Perl complémentaires

Installer (ou vérifier la présence) des modules Perl suivants :

XML::Entities



```
pyb@apache2:~$ sudo perl -MCPAN -e "install XML::Entities"

CPAN.pm requires configuration, but most of it can be done automatically.
If you answer 'no' below, you will enter an interactive dialog for each
configuration option instead.

Would you like to configure as much as possible automatically? [yes] yes

We initialized your 'urllist' to https://cpan.org/. Type 'o conf init urllist' to change
it.

Autoconfiguration complete.

commit: wrote '/root/.cpan/CPAN/MyConfig.pm'

You can re-run configuration any time with 'o conf init' in the CPAN shell
Fetching with HTTP::Tiny:
https://cpan.org/authors/01mailrc.txt.gz
Reading '/root/.cpan/sources/authors/01mailrc.txt.gz'
.....DONE
Fetching with HTTP::Tiny:
https://cpan.org/modules/02packages.details.txt.gz
Reading '/root/.cpan/sources/modules/02packages.details.txt.gz'
Database was generated on Mon, 26 Jan 2026 07:17:01 GMT
.....
New CPAN.pm version (v2.38) available.
[Currently running version is v2.33]
You might want to try
  install CPAN
  reload cpan
to both upgrade CPAN.pm and run the new version without leaving
the current session.

.....DONE
Fetching with HTTP::Tiny:
```

Apache2::SOAP

```

pyb@apache2:~$ sudo cpan Apache2::SOAP
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
Database was generated on Mon, 26 Jan 2026 07:17:01 GMT
Running install for module 'Apache2::SOAP'
Fetching with HTTP::Tiny:
https://cpan.org/authors/id/R/RK/RKOBES/Apache2-SOAP-0.73.tar.gz
Fetching with HTTP::Tiny:
https://cpan.org/authors/id/R/RK/RKOBES/CHECKSUMS
Checksum for /root/.cpan/sources/authors/id/R/RK/RKOBES/Apache2-SOAP-0.73.tar.gz ok
'YAML' not installed, will not store persistent state
Configuring R/RK/RKOBES/Apache2-SOAP-0.73.tar.gz with Makefile.PL
[ info] generating script t/TEST
Checking if your kit is complete...
Looks good
Generating a Unix-style Makefile
Writing Makefile for Apache2::SOAP
Writing MYMETA.yml and MYMETA.json
RKOBES/Apache2-SOAP-0.73.tar.gz
/usr/bin/perl Makefile.PL INSTALLDIRS=site -- OK
Running make for R/RK/RKOBES/Apache2-SOAP-0.73.tar.gz
cp lib/SOAP/Transport/HTTP2.pm blib/lib/SOAP/Transport/HTTP2.pm
cp lib/Apache2/SOAP.pm blib/lib/Apache2/SOAP.pm
Manifying 1 pod document
RKOBES/Apache2-SOAP-0.73.tar.gz

```

SOAP::Lite

Lors de la question **“Please tell me where I can find your apache src”**, interrompre avec **CTRL + C**.

```

pyb@apache2:~$ sudo cpan SOAP::Lite
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
Database was generated on Mon, 26 Jan 2026 07:17:01 GMT
SOAP::Lite is up to date (1.27).

```

Mojolicious::Lite

```

pyb@apache2:~$ sudo cpan Mojolicious::Lite
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
  Database was generated on Mon, 26 Jan 2026 07:17:01 GMT
Running install for module 'Mojolicious::Lite'
Fetching with HTTP::Tiny:
https://cpan.org/authors/id/S/SR/SRI/Mojolicious-9.42.tar.gz
Fetching with HTTP::Tiny:
https://cpan.org/authors/id/S/SR/SRI/CHECKSUMS
Checksum for /root/.cpan/sources/authors/id/S/SR/SRI/Mojolicious-9.42.tar.gz ok
'YAML' not installed, will not store persistent state
Configuring S/SR/SRI/Mojolicious-9.42.tar.gz with Makefile.PL
Checking if your kit is complete...
Looks good
Generating a Unix-style Makefile
Writing Makefile for Mojolicious
Writing MYMETA.yml and MYMETA.json
  SRI/Mojolicious-9.42.tar.gz
  /usr/bin/perl Makefile.PL INSTALLDIRS=site -- OK
Running make for S/SR/SRI/Mojolicious-9.42.tar.gz
cp lib/Mojo/HelloWorld.pm blib/lib/Mojo/HelloWorld.pm
cp lib/Mojo/File.pm blib/lib/Mojo/File.pm
cp lib/Mojo/Content/Single.pm blib/lib/Mojo/Content/Single.pm
cp lib/Mojo/Content.pm blib/lib/Mojo/Content.pm
cp lib/Mojo/IOLoop/Stream.pm blib/lib/Mojo/IOLoop/Stream.pm
cp lib/Mojo/Promise.pm blib/lib/Mojo/Promise.pm
cp lib/Mojo/Asset/File.pm blib/lib/Mojo/Asset/File.pm
cp lib/Mojo/Cookie/Request.pm blib/lib/Mojo/Cookie/Request.pm
cp lib/Mojo/EventEmitter.pm blib/lib/Mojo/EventEmitter.pm
cp lib/Mojo/Log.pm blib/lib/Mojo/Log.pm
cp lib/Mojo/Asset/Memory.pm blib/lib/Mojo/Asset/Memory.pm
cp lib/Mojo/Cookie/Response.pm blib/lib/Mojo/Cookie/Response.pm

```

Switch

```

pyb@apache2:~$ sudo cpan Switch
Loading internal logger. Log::Log4perl recommended for better logging
Reading '/root/.cpan/Metadata'
  Database was generated on Mon, 26 Jan 2026 07:17:01 GMT
Running install for module 'Switch'
Fetching with HTTP::Tiny:
https://cpan.org/authors/id/C/CH/CHORNY/Switch-2.17.tar.gz

```

7) Télécharger et installer OCS Inventory NG

6.1 Installer Wget

```

pyb@apache2:~$ sudo apt install wget
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances... Fait
Lecture des informations d'état... Fait
wget est déjà la version la plus récente (1.21.3-1+deb12u1).
Le paquet suivant a été installé automatiquement et n'est plus nécessaire :
  linux-image-6.1.0-40-amd64
Veuillez utiliser « sudo apt autoremove » pour le supprimer.
0 mis à jour, 0 nouvellement installés, 0 à enlever et 0 non mis à jour.

```

6.2 Télécharger OCS Inventory NG


```
pyb@apache2:~$ ls
Bureau      Modèles      OCSNG_UNIX_SERVER-2.10.0      Téléchargements  Vidéos
Documents   mods-enabled OCSNG_UNIX_SERVER-2.10.0.tar.gz TP1
Images      Musique      Public                        TP2
pyb@apache2:~$
```

6.5 Entrer dans le dossier et lancer le script d'installation

1. Aller dans le dossier décompressé.
2. Vérifier la présence de `setup.sh`.
3. Lancer le script : `./ setup.sh`

```
pyb@apache2:~$ cd OCSNG_UNIX_SERVER-2.10.0
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$
```

```
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$ ls
Apache  binutils  dtd  INSTALL  ocsreports  setup.sh
Api     cpanfile  etc  LICENSE  README.md
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$ sudo ./setup.sh

+-----+
| Welcome to OCS Inventory NG Management server setup ! |
+-----+

Trying to determine which OS or Linux distribution you use
+-----+
| Checking for Apache web server binaries ! |
+-----+

CAUTION: If upgrading Communication server from OCS Inventory NG 1.0 RC2 and
previous, please remove any Apache configuration for Communication Server!

Do you wish to continue ([y]/n)?
```

```
Quick connect... 4. 192.168.40.132 (pyb) x +
/home/pyb/
Name
..
.cache
.config
.local
.mozilla
Bureau
Documents
Images
Modèles
Musique
Public
TP1
TP2
Téléchargements
Vidéos
.bash_history
.bash_logout
.bashrc
.face
.face.icon
.lesshst
.profile
.sudo_as_admin_successful
.xauthority
mods-enabled

Found that PERL module DBD::mysql is available.
Checking for XML::Simple PERL module...
Found that PERL module XML::Simple is available.
Checking for Net::IP PERL module...
Found that PERL module Net::IP is available.

-----+
| Installing files for Administration server... |
+-----+

Creating PHP directory /usr/share/ocsinventory-reports/ocsreports.
Copying PHP files to /usr/share/ocsinventory-reports/ocsreports.
Fixing permissions on directory /usr/share/ocsinventory-reports/ocsreports.
Creating database configuration file /usr/share/ocsinventory-reports/ocsreports/dbconfig.inc.php.
Creating IPDiscover directory /var/lib/ocsinventory-reports/ipd.
Fixing permissions on directory /var/lib/ocsinventory-reports/ipd.
Creating packages directory /var/lib/ocsinventory-reports/download.
Fixing permissions on directory /var/lib/ocsinventory-reports/download.
Creating snmp mibs directory /var/lib/ocsinventory-reports/snmp.
Fixing permissions on directory /var/lib/ocsinventory-reports/snmp.
Creating Administration server log files directory /var/lib/ocsinventory-reports/logs.
Fixing permissions on directory /var/lib/ocsinventory-reports/logs.
Creating Administration server temporary files directory /var/lib/ocsinventory-reports/tmp_dir.
Fixing permissions on directory /var/lib/ocsinventory-reports/tmp_dir.
Creating Administration server scripts log files directory /var/lib/ocsinventory-reports/scripts.
Fixing permissions on directory /var/lib/ocsinventory-reports/scripts.
Configuring IPDISCOVER-UTIL Perl script.
Installing IPDISCOVER-UTIL Perl script.
Fixing permissions on IPDISCOVER-UTIL Perl script.
Writing Administration server configuration to file /etc/apache2/conf-available/ocsinventory-reports.conf

-----+
| OK, Administration server installation finished ;-) |
| Please, review /etc/apache2/conf-available/ocsinventory-reports.conf |
| to ensure all is good and restart Apache daemon. |
| Then, point your browser to http://server//ocsreports |
| to configure database server and create/update schema. |
+-----+

Setup has created a log file /home/pyb/OCSNG_UNIX_SERVER-2.10.0/ocs_server_setup.log.
Please, save this file.
If you encounter error while running OCS Inventory NG Management server,
we can ask you to show us its content !

DON'T FORGET TO RESTART APACHE DAEMON !

Enjoy OCS Inventory NG ;-)

pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$
```

Si tout s'est bien passé, l'assistant d'installation se termine avec un message du type **"Enjoy OCS Inventory ;-)"**.

8) Configurer MariaDB (base + utilisateur)

7.1 Se connecter à MariaDB

```
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$ sudo mysql -u root
```

```
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$ sudo mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.11.14-MariaDB-0+deb12u2 Debian 12

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)]> █
```

7.2 Créer la base de données

Créer une nouvelle base de données nommée `ocsweb`.

```
MariaDB [(none)]> create database ocsweb;
Query OK, 1 row affected (0,001 sec)

MariaDB [(none)]> █
```

```
MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| ocsweb |
| performance_schema |
| sys |
+-----+
5 rows in set (0,001 sec)
```

7.3 Créer l'utilisateur et attribuer les droits

Créer un utilisateur `ocs` et lui attribuer tous les droits sur la base, avec le mot de passe `ocs`.

```
MariaDB [(none)]> GRANT ALL PRIVILEGES ON *.* TO ocs@'localhost' IDENTIFIED BY 'ocs';
Query OK, 0 rows affected (0,003 sec)
```

7.4 Valider les changements

```
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0,001 sec)

MariaDB [(none)]> exit;
Bye
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$
```

9) Redémarrer les services

Redémarrer **MariaDB** et **Apache2**.

```
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$ sudo service mariadb restart
[sudo] Mot de passe de pyb :
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$ sudo service apache2 restart
pyb@apache2:~/OCSNG_UNIX_SERVER-2.10.0$
```

10) Activer la configuration Apache d'OCS (si nécessaire)

9.1 Vérifier si `ocsinventory-reports.conf` est actif

Vérifier la présence du fichier dans :

- `/etc/apache2/conf-enabled/`

```
pyb@apache2:~$ ls -l /etc/apache2/conf-enabled/
total 0
lrwxrwxrwx 1 root root 30 1 déc. 09:48 charset.conf -> ../conf-available/charset.conf
lrwxrwxrwx 1 root root 44 1 déc. 09:48 localized-error-pages.conf -> ../conf-available/localized-error-pages.conf
lrwxrwxrwx 1 root root 46 1 déc. 09:48 other-vhosts-access-log.conf -> ../conf-available/other-vhosts-access-log.conf
lrwxrwxrwx 1 root root 31 1 déc. 09:48 security.conf -> ../conf-available/security.conf
lrwxrwxrwx 1 root root 36 1 déc. 09:48 serve-cgi-bin.conf -> ../conf-available/serve-cgi-bin.conf
```

9.2 Activer le fichier de configuration s'il n'est pas activé

```

pyb@apache2:~$ sudo a2enconf ocsinventory-reports
service apache2 restart
Enabling conf ocsinventory-reports.
To activate the new configuration, you need to run:
  systemctl reload apache2
-bash: service : commande introuvable
pyb@apache2:~$ sudo service apache2 restart
pyb@apache2:~$ ls -l /etc/apache2/conf-enabled/
total 0
lrwxrwxrwx 1 root root 30  1 déc.  09:48 charset.conf -> ../conf-available/charset.conf
lrwxrwxrwx 1 root root 44  1 déc.  09:48 localized-error-pages.conf -> ../conf-available/localized-error-pages.conf
lrwxrwxrwx 1 root root 43 26 janv. 16:09 ocsinventory-reports.conf -> ../conf-available/ocsinventory-reports.conf
lrwxrwxrwx 1 root root 46  1 déc.  09:48 other-vhosts-access-log.conf -> ../conf-available/other-vhosts-access-log.conf
lrwxrwxrwx 1 root root 31  1 déc.  09:48 security.conf -> ../conf-available/security.conf
lrwxrwxrwx 1 root root 36  1 déc.  09:48 serve-cgi-bin.conf -> ../conf-available/serve-cgi-bin.conf

```

9.3 Redémarrer Apache2

```
pyb@apache2:~$ sudo service apache2 restart
```

11) Finaliser l'installation via le navigateur (machine physique)

Ouvrir un navigateur sur la machine physique et terminer l'assistant d'installation d'OCS Inventory NG.

OCS-NG Inventory Installation

WARNING: You will not be able to build any deployment package with size greater than 2MB
You must raise both post_max_size and upload_max_filesize in your vhost configuration to increase this limit.

WARNING: If you change default database name (ocsweb) or user (ocs), don't forget to update the file 'z-ocsinventory-server.conf' in your Apache configuration directory

Var lib dir should be writable : /var/lib/ocsinventory-reports

MySQL login:	ocs
MySQL password:	...
Name of Database:	ocsweb
MySQL HostName:	localhost
MySQL Port :	3306
...	

OCS-NG Inventory Installation

WARNING: You will not be able to build any deployment package with size greater than 2MB
You must raise both `post_max_size` and `upload_max_filesize` in your vhost configuration to increase this limit.

WARNING: If you change default database name (ocswb) or user (ocs), don't forget to update the file 'z-ocsinventory-server.conf' in your Apache configuration directory

Var lib dir should be writable : /var/lib/ocsinventory-reports

OCS-NG Inventory Installation

Installation finished you can log in index.php with login=admin and password=admin

[Click here to enter OCS-NG GUI](#)

WARNING: You will not be able to build any deployment package with size greater than 2MB
You must raise both `post_max_size` and `upload_max_filesize` in your vhost configuration to increase this limit.

WARNING: If you change default database name (ocswb) or user (ocs), don't forget to update the file 'z-ocsinventory-server.conf' in your Apache configuration directory

Var lib dir should be writable : /var/lib/ocsinventory-reports

Existing database updated
Current version:7039=>Expected version:7063

Perform the update



LANGUE

 Français

Utilisateur :

admin

Mot de passe :

Envoyer

OCS

inventory

Toutes les machinesInventaireTélédéploiementConfigurationGestionPluginsInformationAide

ALERTE SECURITE!

Le fichier install.php est présent dans votre répertoire d'interface. (par défaut: /usr/share/ocsinventory-reports/ocsreports)
Le compte/mot de passe par défaut est actif sur votre base de donnée: ocsweb
Le compte/mot de passe par défaut de l'interface WEB est actif

Mon tableau de bord

0

Machine(s)

0

Windows

0

Unix

0

Android

0

Autres

0

Système

0

Logiciel

Machines ayant pris contact aujourd'hui

0

Total

0

Windows

0

Unix

0

Android

OCS Inventory

15