

Configuració d'OCS Inventory 2.0.5 en CentOS 6.3

Configuració del servidor

1. Instal·la CentOS 6.3 i386 minimal
2. Configura la interfície de xarxa

```
vi /etc/sysconfig/network-scripts/ifcfg-eth0
```

```
DEVICE="eth0"  
BOOTPROTO="none"  
HWADDR="08:00:27:D7:9B:C2"  
NM_CONTROLLED="no"  
ONBOOT="yes"  
TYPE="Ethernet"  
UUID="f17abfb3-7772-47de-ad27-575585b15644"  
GATEWAY="192.168.1.1"  
NETMASK="255.255.255.0"  
IPADDR="192.168.1.XXX"  
DNS1="194.179.1.100"  
DNS2="8.8.8.8"
```

3. Activa la interfície de xarxa i comprova que funciona

```
ifup eth0  
ping www.google.cat
```

4. Afegeix el dipòsit epel

```
rpm -ivH http://download.fedoraproject.org/pub/epel/6/i386/epel-release-6-8.noarch.rpm
```

5. Edita el dipòsit epel

```
vi /etc/yum.repos.d/epel.repo
```

| | |
|-------------|-----------|
| Cerca: | enabled=1 |
| Canvia per: | enabled=0 |

6. Actualitza els sistema

```
yum update -y
```

7. Instal·la l'editor de text nano (opcional)

```
yum install nano
```

8. Instal·la dependències d'OCS Inventory

```
yum install make wget httpd mysql mysql-server php php-gd php-mysql  
php-mbstring mod_perl perl-XML-Simple perl-Net-IP perl-SOAP-Lite perl-DBI  
perl-DBD-MySQL
```

```
yum install --enablerepo=epel perl-Apache-DBI perl-Apache2-SOAP perl-XML-Entities
```

9. Canvia el nom del servidor en la configuració d'Apache

```
nano /etc/httpd/conf/httpd.conf
```

| | |
|---------|---------------------------------|
| Cerca: | servername |
| Canvia: | #ServerName www.example.com:80 |
| Per: | ServerName 192.168.1.XXX |

10. Configura el servidor de bases de dades MySQL

```
mysql_install_db
```

11. Configura el servidor de bases de dades perquè engegui des de l'inici del sistema en els runlevels 3, 4 i 5

```
chkconfig --levels 345 mysqld on
```

12. Engega el dimoni del servidor MySQL

```
service mysqld start
```

13. Configura la seguretat de MySQL

```
mysql_secure_installation
```

| | |
|--|-----------------|
| NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MySQL SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY! | |
| In order to log into MySQL to secure it, we'll need the current password for the root user. If you've just installed MySQL, and you haven't set the root password yet, the password will be blank, so you should just press enter here. | |
| Enter current password for root (enter for none): | Enter |
| OK, successfully used password, moving on... | |
| Setting the root password ensures that nobody can log into the MySQL root user without the proper authorisation. | |
| Set root password? [Y/n] | Y |
| New password: | PASSWORD |
| Re-enter new password: | PASSWORD |
| Password updated successfully! Reloading privilege tables.. ... Success! | |
| By default, a MySQL installation has an anonymous user, allowing anyone to log into MySQL 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, MySQL 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 MySQL installation should now be secure. Thanks for using MySQL! | |

14. Edita la configuració de MySQL (opcional)

```
nano /etc/my.cnf
```

| | |
|---------|-------------------------------|
| sota: | symbolic-links=0 |
| escriu: | max_allowed_packet=16M |

15. Crea la base de dades d'OCs Inventory

```
mysql -u root -p
```

| | |
|--|-----------------|
| Enter password: | PASSWORD |
| Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 12 Server version: 5.1.67 Source distribution Copyright (c) 2000, 2012, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners. Type 'help;' or '\h' for help. Type '\c' to clear the current input statement. mysql> create database ocs; Query OK, 1 row affected (0.00 sec) mysql> grant all privileges on ocs.* to ocs@localhost identified by 'PASSWORD'; Query OK, 0 rows affected (0.00 sec) | |

```
mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)

mysql> quit;
Bye
```

16. Descarrega dels paquets d'OCS Inventory

```
wget https://launchpad.net/ocsinventory-server/stable-2.0/2.0.5/+download/OCSNG_UNIX_SERVER-2.0.5.tar.gz
```

17. Instal·la OCS Inventory

```
tar zxvf OCSNG_UNIX_SERVER-2.0.5.tar.gz
cd OCSNG_UNIX_SERVER-2.0.5
sh setup.sh
```

| | |
|---|--------------|
| <pre>+-----+ Welcome to OCS Inventory NG Management server setup ! +-----+</pre> | |
| <pre>Trying to determine which OS or Linux distribution you use +-----+ Checking for Apache web server binaries ! +-----+</pre> | |
| <pre>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)?</pre> | Enter |
| <pre>Assuming Communication server 1.0 RC2 or previous is not installed on this computer. Starting OCS Inventory NG Management server setup from folder /root/OCSNG_UNIX_SERVER-2.0.5 Storing log in file /root/OCSNG_UNIX_SERVER-2.0.5/ocs_server_setup.log +-----+ Checking for database server properties... +-----+</pre> | |
| <pre>Your MySQL client seems to be part of MySQL version 5.1. Your computer seems to be running MySQL 4.1 or higher, good ;-) Which host is running database server [localhost] ?</pre> | Enter |
| <pre>OK, database server is running on host localhost ;-)</pre> | |
| <pre>On which port is running database server [3306] ?</pre> | Enter |
| <pre>OK, database server is running on port 3306 ;-)</pre> | |
| <pre>+-----+ Checking for Apache web server daemon... +-----+</pre> | |
| <pre>Where is Apache daemon binary [/usr/sbin/httpd] ?</pre> | Enter |
| <pre>OK, using Apache daemon /usr/sbin/httpd ;-)</pre> | |
| <pre>+-----+ Checking for Apache main configuration file... +-----+</pre> | |
| <pre>Where is Apache main configuration file [/etc/httpd/conf/httpd.conf] ?</pre> | Enter |

| | |
|---|--------------|
| <p>OK, using Apache main configuration file /etc/httpd/conf/httpd.conf ;-)</p> <pre>+-----+ Checking for Apache user account... +-----+</pre> <p>Which user account is running Apache web server [apache] ?</p> | Enter |
| <p>OK, Apache is running under user account apache ;-)</p> <pre>+-----+ Checking for Apache group... +-----+</pre> <p>Which user group is running Apache web server [apache] ?</p> | Enter |
| <p>OK, Apache is running under users group apache ;-)</p> <pre>+-----+ Checking for Apache Include configuration directory... +-----+</pre> <p>Setup found Apache Include configuration directory in /etc/httpd/conf.d/. Setup will put OCS Inventory NG Apache configuration in this directory. Where is Apache Include configuration directory [/etc/httpd/conf.d] ?</p> | Enter |
| <p>OK, Apache Include configuration directory /etc/httpd/conf.d/ found ;-)</p> <pre>+-----+ Checking for PERL Interpreter... +-----+</pre> <p>Found PERL Intrepreter at </usr/bin/perl> ;-) Where is PERL Intrepreter binary [/usr/bin/perl] ?</p> | Enter |
| <p>OK, using PERL Intrepreter /usr/bin/perl ;-)</p> <p>Do you wish to setup Communication server on this computer ([y]/n)?</p> | Enter |
| <pre>+-----+ Checking for Make utility... +-----+</pre> <p>OK, Make utility found at </usr/bin/make> ;-)</p> <pre>+-----+ Checking for Apache mod_perl version... +-----+</pre> <p>Checking for Apache mod_perl version 1.99_22 or higher Found that mod_perl version 1.99_22 or higher is available. OK, Apache is using mod_perl version 1.99_22 or higher ;-)</p> <pre>+-----+ Checking for Communication server log directory... +-----+</pre> <p>Communication server can create detailed logs. This logs can be enabled by setting interger value of LOGLEVEL to 1 in Administration console menu Configuration. Where to put Communication server log directory [/var/log/ocsinventory-server] ?</p> | Enter |
| <p>OK, Communication server will put logs into directory /var/log/ocsinventory-server ;-)</p> <pre>+-----+ Checking for required Perl Modules... +-----+</pre> <p>Checking for DBI PERL module...</p> | |

| | |
|---|--------------|
| <pre> Found that PERL module DBI is available. Checking for Apache::DBI PERL module... Found that PERL module Apache::DBI is available. Checking for DBD::mysql PERL module... Found that PERL module DBD::mysql is available. Checking for Compress::Zlib PERL module... Found that PERL module Compress::Zlib 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. +-----+ Checking for optional Perl Modules... +-----+ Checking for SOAP::Lite PERL module... Found that PERL module SOAP::Lite is available. Checking for XML::Entities PERL module... *** Warning: PERL module XML::Entities is not installed ! This module is only required by OCS Inventory NG SOAP Web Service. Do you wish to continue ([y]/n) ? </pre> | Enter |
| <pre> +-----+ OK, looks good ;-) Configuring Communication server Perl modules... +-----+ Checking if your kit is complete... Looks good Writing Makefile for Apache::Ocsinventory +-----+ OK, looks good ;-) Preparing Communication server Perl modules... +-----+ +-----+ OK, prepare finshed ;-) Installing Communication server Perl modules... +-----+ +-----+ OK, Communication server Perl modules install finished;-) Creating Communication server log directory... +-----+ Creating Communication server log directory /var/log/ocsinventory-server. Fixing Communication server log directory files permissions. Configuring logrotate for Communication server. Removing old communication server logrotate file /etc/logrotate.d/ocsinventory-NG Writing communication server logrotate to file /etc/logrotate.d/ocsinventory-server +-----+ OK, Communication server log directory created ;-) Now configuring Apache web server... +-----+ To ensure Apache loads mod_perl before OCS Inventory NG Communication Server, Setup can name Communication Server Apache configuration file 'z-ocsinventory-server.conf' instead of 'ocsinventory-server.conf'. Do you allow Setup renaming Communication Server Apache configuration file to 'z-ocsinventory-server.conf' ([y]/n) ? </pre> | Enter |
| <pre> OK, using 'z-ocsinventory-server.conf' as Communication Server Apache configuration file </pre> | |

| | |
|---|-----------------|
| <pre> Removing old communication server configuration to file /etc/httpd/conf.d//ocsinventory.conf Writing communication server configuration to file /etc/httpd/conf.d//z- ocsinventory-server.conf +-----+ OK, Communication server setup sucessfully finished ;-) Please, review /etc/httpd/conf.d//z-ocsinventory-server.conf to ensure all is good. Then restart Apache daemon. +-----+ Do you wish to setup Administration Server (Web Administration Console) on this computer ([y]/n)? </pre> | Enter |
| <pre> +-----+ Checking for Administration Server directories... +-----+ CAUTION: Setup now install files in accordance with Filesystem Hierarchy Standard. So, no file is installed under Apache root document directory (Refer to Apache configuration files to locate it). If you're upgrading from OCS Inventory NG Server 1.01 and previous, YOU MUST REMOVE (or move) directories 'ocsreports' and 'download' from Apache root document directory. If you choose to move directory, YOU MUST MOVE 'download' directory to Administration Server writable/cache directory (by default /var/lib/ocsinventory-reports), especialy if you use deployment feature. Do you wish to continue ([y]/n)? </pre> | Enter |
| <pre> Assuming directories 'ocsreports' and 'download' removed from Apache root document directory. Where to copy Administration Server static files for PHP Web Console [/usr/share/ocsinventory-reports] ? </pre> | /var/www |
| <pre> OK, using directory /var/www to install static files ;-) Where to create writable/cache directories for deployment packages, administration console logs, IPDiscover [/var/lib/ocsinventory-reports] ? </pre> | /var/www |
| <pre> OK, writable/cache directory is /var/www ;-) +-----+ Checking for required Perl Modules... +-----+ Checking for DBI PERL module... Found that PERL module DBI is available. Checking for DBD::mysql PERL module... 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 /var/www/ocsreports. Copying PHP files to /var/www/ocsreports. Fixing permissions on directory /var/www/ocsreports. Creating database configuration file /var/www/ocsreports/dbconfig.inc.php. Creating IPDiscover directory /var/www/ipd. Fixing permissions on directory /var/www/ipd. Creating packages directory /var/www/download. Fixing permissions on directory /var/www/download. Creating Administration server log files directory /var/www/logs. Fixing permissions on directory /var/www/logs. Creating Administration server scripts log files directory /var/www/scripts. Fixing permissions on directory /var/www/scripts. Configuring IPDISCOVER-UTIL Perl script. </pre> | |

```

Installing IPDISCOVER-UTIL Perl script.
Fixing permissions on IPDISCOVER-UTIL Perl script.
Writing Administration server configuration to file
/etc/httpd/conf.d//ocsinventory-reports.conf

+-----+
| OK, Administration server installation finished ;-) |
| Please, review /etc/httpd/conf.d//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 /root/OCSNG_UNIX_SERVER-2.0.5/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 his content !

DON'T FORGET TO RESTART APACHE DAEMON !

Enjoy OCS Inventory NG ;-)

```

18. Edita la configuració de la base de dades d'OCS Inventory

```
nano /etc/httpd/conf.d/z-ocsinventory-server.conf
```

| | |
|---------|-----------------------------------|
| Cerca: | ocs_db_name |
| Canvia: | PerlSetEnv OCS_DB_NAME ocsweb |
| Per: | PerlSetEnv OCS_DB_NAME ocs |

| | |
|---------|------------------------------------|
| Cerca: | ocs_db_local |
| Canvia: | PerlSetEnv OCS_DB_LOCAL ocsweb |
| Per: | PerlSetEnv OCS_DB_LOCAL ocs |

| | |
|---------|---------------------------------------|
| Cerca: | ocs_db_pwd |
| Canvia: | PerlSetVar OCS_DB_PWD ocs |
| Per: | PerlSetVar OCS_DB_PWD PASSWORD |

19. Edita la configuració de PHP (opcional)

```
nano /etc/php.ini
```

| | |
|---------|-----------------------------|
| Cerca: | post_max |
| Canvia: | post_max_size = 8M |
| Per: | post_max_size = 200M |

| | |
|---------|-----------------------------------|
| Cerca: | upload_max |
| Canvia: | upload_max_filesize = 2M |
| Per: | upload_max_filesize = 200M |

20. Configura el tallafocs

```
nano /etc/sysconfig/iptables
```


Afegeix la línia: `-A INPUT -p tcp -m tcp --dport 80 -j ACCEPT`

```
# Firewall configuration written by system-config-firewall
# Manual customization of this file is not recommended.
*filter
:INPUT ACCEPT [0:0]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [0:0]
-A INPUT -m state --state ESTABLISHED,RELATED -j ACCEPT
-A INPUT -p icmp -j ACCEPT
-A INPUT -i lo -j ACCEPT
-A INPUT -m state --state NET -m tcp -p tcp --dport 22 -j ACCEPT
-A INPUT -m state --state NET -m tcp -p tcp --dport 80 -j ACCEPT
-A INPUT -j REJECT --reject-with icmp-host-prohibited
-A FORWARD -j REJECT --reject-with icmp-host-prohibited
COMMIT
```

21.Reinicia el dimoni del tallafocs

```
service iptables restart
```

22.Engega el dimoni del servidor web

```
service httpd start
```


23.Configura el servidor web perquè engegui des de l'inici del sistema en els runlevels 3, 4 i 5


```
chkconfig --levels 345 httpd on
```

24.Accedeix a la consola a través d'un navegador web

<http://192.168.1.XXX/ocsreports>

OCS-NG Inventory Installation

 DB configuration not completed. Automatic install launched

 WARNING: You will not be able to build any deployment package with size greater than 100MB
You must raise both `post_max_size` and `upload_max_filesize` in your `php.ini` to increase this limit.

WARNING: If you change default database name (ocsweb), don't forget to update your ocs engine files (file `z-ocsinventory-server.conf`)

| | |
|-------------------|--|
| MySQL login: | <input type="text" value="ocs"/> |
| MySQL password: | <input type="password" value="•"/> |
| Name of Database: | <input type="text" value="ocs"/> |
| MySQL HostName: | <input type="text" value="localhost"/> |

OCS-NG Inventory Installation

DB configuration not completed. Automatic install launched

WARNING: The user you typed does not seem to be root
 If you encounter any problem with files insertion, try setting the global `max_allowed_packet` MySQL value to at least 2MB in your server config file.

Please wait, database update may take up to 30 minutes.....

MySQL config file successfully written (using ocs account)
Existing database updated
Database engine checking.....
Database engine successfully updated (1 table(s) altered)
WARNING: files/ocsagent.exe missing, if you do not reinstall the DEPLOY feature won't be available
Table 'files' was empty
No subnet.csv file to import
Network netid computing. Please wait...
Network netid was computed => 0 successful, 0 were already computed, 0 were not computable
Netmap netid computing. Please wait...
Netmap netid was computed => 0 successful, 0 were already computed, 0 were not computable
Cleaning orphans.....
0 orphan lines deleted
Cleaning netmap...
0 netmap lines deleted

Please enter the label of the windows client tag input box:
 (Leave empty if you don't want a popup to be shown on each agent launch)

25. Esborra l'arxiu d'instal·lació

```
rm /var/www/ocsreports/install.php
```

26. Tria l'idioma i accedeix amb el nom d'usuari **admin** i la contrasenya **admin**

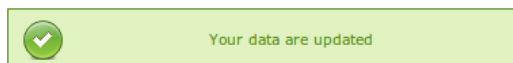
Ens avisa que, per seguretat, hem de canviar la contrasenya

| ACTIVIDAD | SOFTWARE | HARDWARE | OTROS | MESSAGES |
|--|----------|----------|-------|----------|
| Computadores en la base | | | | 0 |
| Computadores vistos | | | | 0 |
| Computadores que contactaron al servidor hoy | | | | 0 |
| Número de computadores inventariados hoy | | | | 0 |
| Computadores no vistos desde hace más de 30 días | | | | 0 |
| Number of SNMP devices | | | | 0 |

27.Prem a la clau lila de la part superior dreta



28.Modifica la contrasenya de l'usuari admin



user ID: admin

Tipo: Super administrators ▼

Grupo: ▼ +

Nombre: admin

LASTNAME: admin

E-mail:

Comentarios: Default administrator account

Contraseña: a

✓ ✗

Has finalitzat la configuració del servidor.

OCSS inventori

Ver. 2.0.5

Not supported

ACTIVIDAD SOFTWARE HARDWARE OTROS MESSAGES

| | |
|--|---|
| Computadores en la base | 0 |
| Computadores vistos | 0 |
| Computadores que contactaron al servidor hoy | 0 |
| Número de computadores inventariados hoy | 0 |
| Computadores no vistos desde hace más de 30 días | 0 |
| Number of SNMP devices | 0 |

Configuració de l'agent en el servidor

1. Instal·la les dependències de l'agent d'OCS Inventory

```
yum install nmap dmidecode perl-XML-Simple perl-Compress-Zlib perl-Net-IP perl-Net-SSLeay perl-Crypt-SSLeay pciutils smartmontools
```

2. Descarrega d'agent d'OCS Inventory

```
wget https://launchpad.net/ocsinventory-unix-agent/stable-2.0/2.0.5/+download/Ocsinventory-Unix-Agent-2.0.5.tar.gz
```

3. Descomprimeix i instal·la

```
tar zxvf Ocsinventory-Unix-Agent-2.0.5.tar.gz
cd Ocsinventory-Unix-Agent-2.0.5
env PERL_AUTOINSTALL=1 perl Makefile.PL
make
make install
/usr/bin/perl postinst.pl
```

| | |
|---|----------------------|
| Do you want to configure the agent Please enter 'y' or 'n'?> [y] | Enter |
| Where do you want to write the configuration file? 0 -> /etc/ocsinventory 1 -> /usr/local/etc/ocsinventory 2 -> /etc/ocsinventory-agent ?> | 2 |
| Do you want to create the directory /etc/ocsinventory-agent? Please enter 'y' or 'n'?> [y] | Enter |
| [info] The config file will be written in /etc/ocsinventory/ocsinventory-agent.cfg, What is the address of your ocs server?> [ocsinventory-ng] | 192.168.1.XXX |
| Do you need credential for the server? (You probably don't) Please enter 'y' or 'n'?> [n] | Enter |
| Do you want to apply an administrative tag on this machine Please enter 'y' or 'n'?> [y] | Enter |
| tag?> | tallerXXX |
| ocsinventory agent presents: /usr/local/bin/ocsinventory-agent Where do you want the agent to store its files? (You probably don't need to change it)?> [/var/lib/ocsinventory-agent] | Enter |
| Do you want to create the /var/lib/ocsinventory-agent directory? Please enter 'y' or 'n'?> [y] | Enter |
| New settings written! Thank you for using OCS Inventory Should I remove the old linux_agent Please enter 'y' or 'n'?> [n] | Enter |
| Do you want to use OCS-Inventory software deployment feature? Please enter 'y' or 'n'?> [y] | Enter |
| Do you want to use OCS-Inventory SNMP scans feature? Please enter 'y' or 'n'?> [y] | Enter |
| Do you want to send an inventory of this machine? Please enter 'y' or 'n'?> [y] | Enter |
| [info] Accountinfo file doesn't exist. I create an empty one. [error] [snmp] Net::SNMP perl module is missing !! [error] [snmp] Humm my prerequisites are not OK...disabling module :(:(hostname: Unknown host | |

| | |
|---------------------------------------|--|
| hostname: Unknown host -> Success! | |
|---------------------------------------|--|

4. Reinicia el dimoni del servidor web

```
service httpd restart
```