

## Instalación de OCS Inventory Server

OCS Inventory es un Software Open Source el cual permite realizar un inventario de todas las características de software y hardware, de los equipos que se encuentran conectados en la red. Para ello cuenta con un servidor el cual es el encargado de almacenar y gestionar toda la información, y un agente instalado en cada equipo, el cual envía toda la información recolectada al servidor

Así como también realizar el envío de paquetes a un numero determinado de equipos. Estos paquetes pueden contener software a instalarse o una serie de instrucciones que se ejecutaran en el equipo.

Para realizar la instalación del OCS en Ubuntu, primeramente debemos instalar los paquetes necesarios para realizar la instalación.

Primeramente descargaremos el paquete de instalación del OCS Inventory Server de la pagina principal del OCS Inventory [http://www.OCS\\_Inventory-ng.org/](http://www.OCS_Inventory-ng.org/). La versión mas reciente del OCS Inventory es la 1.02 RC3.

En segundo lugar y solo en caso de que no los tengamos instalados, instalaremos un servidor LAMP (Apache + MySQL + PHP), para ello ejecutaremos las siguientes lineas en una consola.

```
sudo apt-get install apache2  
sudo apt-get install mysql  
sudo apt-get install php5
```

Después de tener instalado el servidor LAMP procederemos a instalar algunos archivos necesarios para la instalación del OCS Inventory, para ello ejecutamos la siguiente linea:

```
sudo apt-get install mc openssh-server libxml-simple-perl libcompress-zlib-perl libdbi-perl  
libdbd-mysql-perl libapache-dbi-perl libnet-ip-perl libsoap-lite-perl php5-gd build-essential  
libapache2-mod-perl2 libxml-xql-perl phpmyadmin
```

Entre uno de los paquetes que se instalan es el phpmyadmin, este no es un paquete obligatorio, pero es muy útil en el momento de administrar la base datos. En ubuntu el phpmyadmin se instala por defecto en "/usr/share/phpmyadmin" debido a ello cuando deseamos acceder a el desde el navegador web, nos indica que la pagina solicitada no existe, para solucionar este problema debemos realizar una liga suave de la carpeta

phpmyadmin ala carpeta www del Apache.

```
sudo ln -s /usr/share/phpmyadmin/ /var/www/phpmyadmin
```

Ya que se han instalado los archivos necesarios para la correcta instalación del OCS Inventory, nos posicionamos en la carpeta donde se encuentra ubicado el paquete de instalación del OCS Inventory Server, en este caso el paquete se descargó dentro de el home del usuario. Descomprimos el paquete de instalación:

```
tar -xvzf OCSNG_UNIX_SERVER_1.02RC3.tar.gz
```

Una vez que se ha descomprimido el paquete de instalación del OCS Server, debemos ingresar al directorio que contiene el script de instalación el cual ejecutamos, para iniciar el proceso de instalación del OCS Inventory Server.

```
cd OCSNG_UNIX_SERVER_1.02RC3  
sudo ./setup.sh
```

Iniciará el proceso de instalación, y realizará una serie de preguntas, de los parámetros de configuración del OCS Inventory, si tenemos algunos conocimientos avanzados del funcionamiento del OCS podremos modificar los parámetros de las preguntas, en caso contrario podemos pulsar solo enter en cada una de ellas y tomarán la configuración por default, probablemente cuando nos pregunte el usuario y grupo del Apache debemos escribir "www-data", en dado caso que no los detecte el instalador.

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

*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)?y  
Assuming Communication server 1.0 RC2 or previous is not installed  
on this computer.*

*Starting OCS Inventory NG Management server setup from folder /home/jonathan/OCS  
Inventory/OCSNG\_UNIX\_SERVER\_1.02RC3  
Storing log in file /home/jonathan/OCS  
Inventory/OCSNG\_UNIX\_SERVER\_1.02RC3/ocs\_server\_setup.log*

```
+-----+  
| Checking for database server properties... |  
+-----+
```

Your MySQL client seems to be part of MySQL version 5.0.  
Your computer seems to be running MySQL 4.1 or higher, good ;-)

Which host is running database server [localhost] ?  
OK, database server is running on host localhost ;-)

On which port is running database server [3306] ?  
OK, database server is running on port 3306 ;-)

```
+-----+  
| Checking for Apache web server daemon... |  
+-----+
```

Where is Apache daemon binary [/usr/sbin/apache2] ?  
OK, using Apache daemon /usr/sbin/apache2 ;-)

```
+-----+  
| Checking for Apache main configuration file... |  
+-----+
```

Where is Apache main configuration file [/etc/apache2/apache2.conf] ?  
OK, using Apache main configuration file /etc/apache2/apache2.conf ;-)

```
+-----+  
| Checking for Apache user account...          |  
+-----+
```

Which user account is running Apache web server [\${APACHE\_RUN\_USER}] ?www-data  
OK, Apache is running under user account www-data ;-)

```
+-----+  
| Checking for Apache group...                  |  
+-----+
```

Which user group is running Apache web server [\${APACHE\_RUN\_GROUP}] ?www-data  
OK, Apache is running under users group www-data ;-)

```
+-----+  
| Checking for Apache Include configuration directory... |  
+-----+
```

Setup found Apache Include configuration directory in  
//etc/apache2/conf.d/.

Setup will put OCS Inventory NG Apache configuration in this directory.

Where is Apache Include configuration directory [//etc/apache2/conf.d] ?

OK, Apache Include configuration directory //etc/apache2/conf.d/ found ;-)

```
+-----+
| Checking for PERL Interpreter... |
+-----+
```

Found PERL Interpreter at </usr/bin/perl> ;-)

Where is PERL Interpreter binary [/usr/bin/perl] ?

OK, using PERL Interpreter /usr/bin/perl ;-)

Do you wish to setup Communication server on this computer ([y]/n)?

```
+-----+
| Checking for Make utility... |
+-----+
```

OK, Make utility found at </usr/bin/make> ;-)

```
+-----+
| Checking for Apache mod_perl version... |
+-----+
```

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 ;-)

```
+-----+
| Checking for Communication server log directory... |
+-----+
```

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/OCS Inventory-server] ?

OK, Communication server will put logs into directory /var/log/OCS Inventory-server ;-)

```
+-----+
| Checking for required Perl Modules... |
+-----+
```

Checking for DBI PERL module...

```
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) ?
```

```
+-----+
| 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/OCS Inventory-server.*

*Fixing Communication server log directory files permissions.*

*Configuring logrotate for Communication server.*

*Removing old communication server logrotate file /etc/logrotate.d/OCS Inventory-NG*

*Writing communication server logrotate to file /etc/logrotate.d/OCS Inventory-server*

```
+-----+
| OK, Communication server log directory created ;-)|
|
| Now configuring Apache web server...                 |
+-----+
```

*To ensure Apache loads mod\_perl before OCSInventory NG Communication Server,*

*Setup can name Communication Server Apache configuration file*

*'z-OCS Inventory-server.conf' instead of 'OCSInventory-server.conf'.*

*Do you allow Setup renaming Communication Server Apache configuration file*

*to 'z-OCS Inventory-server.conf' ([y]/n) ?*

*OK, using 'z-OCS Inventory-server.conf' as Communication Server Apache configuration file*

*Removing old communication server configuration to file //etc/apache2/conf.d//OCS  
Inventory.conf*

*Writing communication server configuration to file //etc/apache2/conf.d//z-OCS Inventory-  
server.conf*

```
+-----+
| OK, Communication server setup sucessfully finished ;-)|
|
| Please, review //etc/apache2/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)?*

```
+-----+
| 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 OCSInventory 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/OCS Inventory-reports), especially if you use deployment feature.*

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

*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] ?*

*OK, using directory /usr/share/OCSInventory-reports to install static files ;-)*

*Where to create writable/cache directories for deployment packages and IPDiscover [var/lib/OCS Inventory-reports] ?*

*OK, writable/cache directory is /var/lib/OCSInventory-reports ;-)*

```
+-----+
| 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 /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.  
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.d//OCSInventory-reports.conf*

```
+-----+
| OK, Administration server installation finished ;-) |
| |
| Please, review //etc/apache2/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  
/home/jonathan/OCSInventory/OCSNG\_UNIX\_SERVER\_1.02RC3/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 ;-)*

Después de que finalizo con éxito la instalación del OCS Inventory debemos de realizar una liga suave a la carpeta “www” del Apache, ya que la instalación del OCS Inventory se realiza en el directorio “/usr/share”. Para realizar la liga suave ejecutamos la siguiente línea:

```
sudo ln -s /usr/share/ocsreports/ /var/www/ocsreports
```

Después de realizar la liga, abrimos nuestro explorador y escribimos “<http://localhost/ocsreports/install.php>”, esto nos llevara a una pagina en la cual nos solicitara un usuario y contraseña validos para acceder ala base de datos, debemos tener en cuenta que el usuario debe tener privilegios para crear una base de datos, la pagina mostrada es similar ala de la imagen siguiente.

**OCS Inventory Installation**

NOTICE: You will not be able to build any deployment package with size greater than 8m.  
You must raise both `post_max_size` and `upload_max_filesize` in your `php.ini` to increase this limit.

Usuario MySQL :

Contraseña MySQL :

Nombre del servidor MySQL :

Pulsamos aceptar y el asistente comenzara a generar la base de datos.

**OCS Inventory Installation**

NOTICE: You will not be able to build any deployment package with size greater than 8m.  
You must raise both `post_max_size` and `upload_max_filesize` in your `php.ini` to increase this limit.

MySQL config file successfully written

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

Database successfully generated

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.....

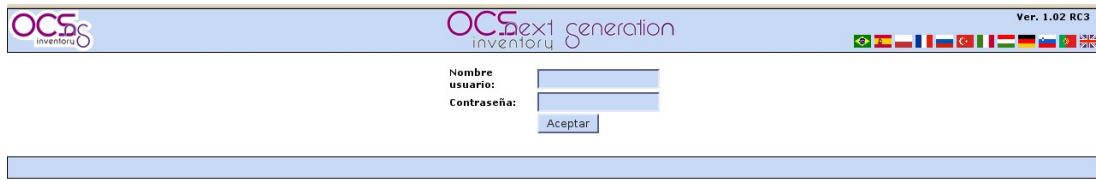
0 orphan lines deleted

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).

Una vez que haya terminado de generar la base de datos, pulsamos el boton “Enviar Consulta” y nos indicara que la instalación a finalizado con exito, pulsamos “**Click here to enter OCS-NG GUI**” y nos redireccionara ala pagina principal del servidor OCS Inventory, la pagina es igual al de la imagen siguiente:



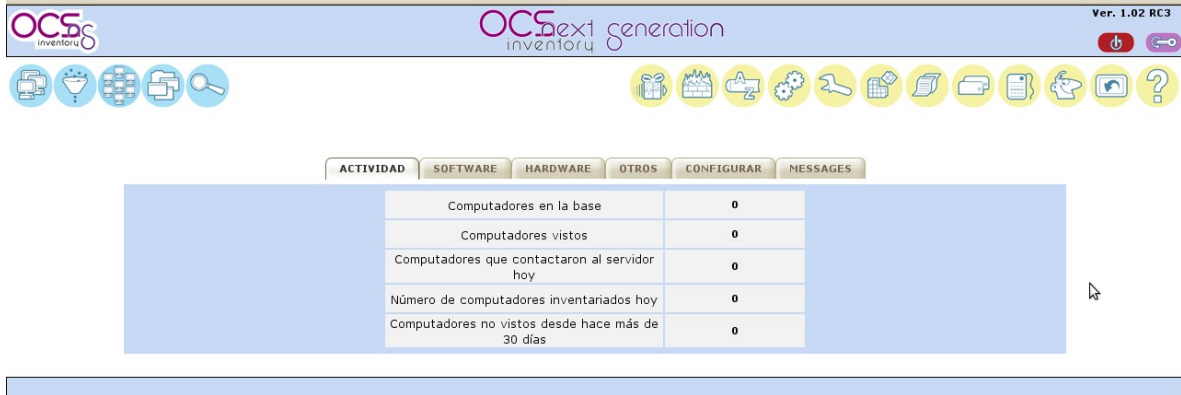
OCS inventory generation Ver. 1.02 RC3

Nombre usuario:

Contraseña:

Aceptar

Para poder acceder al servidor OCS Inventory, escribimos en **usuario:** admin y **password:** admin, esto nos dara acceso al servidor OCS, detro del cual podremos generar nuevos usuarios, muchas configuraciones mas.



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ACTIVIDAD SOFTWARE HARDWARE OTROS CONFIGURAR 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