

FOG

<http://www.fogproject.org/>

FOG és una eina de programari lliure que permet clonar imatges de disc a través de la xarxa. La principal diferència entre aquesta eina i altres similars com Clonezilla és que disposa d'una interfície d'administrador via web feta amb PHP.

Configuració del servidor

1. Instal·la Ubuntu Server 12.04

Particionament del disc (20 GB):

Partició	Punt de muntatge	Sistema de fitxers	Mida
sda1	/	ext4	19.5 GB
sda5	swap	intercanvi	0.5 GB

2. Converteix-te en root

```
$ sudo -i
```

3. Edita l'arxiu de configuració de la interfície de xarxa

```
# nano /etc/network/interfaces
```

```
iface eth0 inet static
address 192.168.1.XXX (substitueix XXX per la IP del teu servidor)
netmask 255.255.255.0
gateway 192.168.1.1
dns-nameservers 194.179.1.100 8.8.8.8
```

4. Desactiva i activa la interfície de xarxa

```
# ifdown eth0
# ifup eth0
```

5. Descarrega el paquet fog_0.32.tar.gz

```
# wget http://sourceforge.net/projects/freeghost/files/FOG/fog_0.32/fog_0.32.tar.gz
```

6. Descomprimeix el paquet

```
# tar zxvf fog_0.32.tar.gz
```

7. Mou-te a la carpeta de l'instal·lador

```
# cd fog_0.32/bin
```

8. Instal·la FOG

```
# ./installfog.sh
```

<p>What version of Linux would you like to run the installtion for?</p> <p>1) Redhat Based Linux (Fedora, CentOS) 2) Ubuntu Based Linux (Kubuntu, Edubuntu)</p> <p>Choice: [2]</p>	Prem enter
<p>Starting Ubuntu Installtion.</p> <p>FOG Server installation modes:</p> <ul style="list-style-type: none"> * Normal Server: (Choice N) This is the typical installation type and will install all FOG components for you on this machine. Pick this option if you are unsure what to pick. * Storage Node: (Choice S) This install mode will only install the software required to make this server act as a node in a storage group <p>More information: http://www.fogproject.org/wiki/index.php?title=InstallationModes</p> <p>What type of installation would you like to do? [N]</p>	Prem enter
<p>What is the IP address to be used by this FOG Server? [192.168.1.XXX]</p>	Prem enter
<p>Would you like to setup a router address for the DHCP server? [Y/n]</p>	Prem enter
<p>What is the IP address to be used for the router on the DHCP server? [192.168.1.1]</p>	Prem enter
<p>Would you like to setup a DNS address for the DHCP server and client boot image? [Y/n]</p>	Prem enter
<p>What is the IP address to be used for DNS on the DHCP server and client boot image? [194.179.1.100]</p>	Prem enter
<p>Would you like to change the default network interface from eth0? If you are not sure, select No. [y/N]</p>	Prem enter
<p>Would you like to use the FOG server for dhcp service? [Y/n]</p>	Prem enter
<p>This version of FOG has internationalization support, would you like to install the additional language packs? [Y/n]</p>	Prem enter
<p>FOG now has everything it needs to setup your server, but please understand that this script will overwrite any setting you may have setup for services like DHCP, apache, pxe, tftp, and NFS.</p> <p>It is not recommended that you install this on a production system as this script modifies many of your system settings.</p> <p>This script should be run by the root user on Fedora, or with sudo on Ubuntu.</p> <p>Here are the settings FOG will use:</p> <pre> Distro: Ubuntu Installation Type: Normal Server Server IP Address: 192.168.1.XXX DHCP router Address: 192.168.1.1 DHCP DNS Address: 194.179.1.100 Interface: eth0 Using FOG DHCP: 1 Internationalization: 1 </pre> <p>Are you sure you wish to continue (Y/N)</p>	Prem Y

Fog ens informa que haurem de modificar l'arxiu `/var/www/fog/commons/config.php` si establim una contrasenya d'administrador de MySQL Server

<p>We are about to install MySQL Server on this server, if MySQL isn't installed already you will be prompted for a root password. If you don't leave it blank you will need to change it in the config.php file located at:</p> <p>/var/www/fog/commons/config.php</p> <p>Press enter to acknowledge this message.</p>	Prem enter
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Configuració del paquet «mysql-server-5.5»

New password for the MySQL "root" user:	PASSWORD
Repeat password for the MySQL "root" user:	PASSWORD

<p>Would you like to notify the FOG group about this installation? * This information is only used to help the FOG group determine if FOG is being used. This information helps to let us know if we should keep improving this product.</p> <p>Send notification? (Y/N)</p>	Prem Y o N
<p>Setup complete!</p> <p>You still need to install/update your database schema. This can be done by opening a web browser and going to:</p> <p>http://192.168.1.XXX/fog/management</p> <p>Default User: Username: fog Password: password</p>	

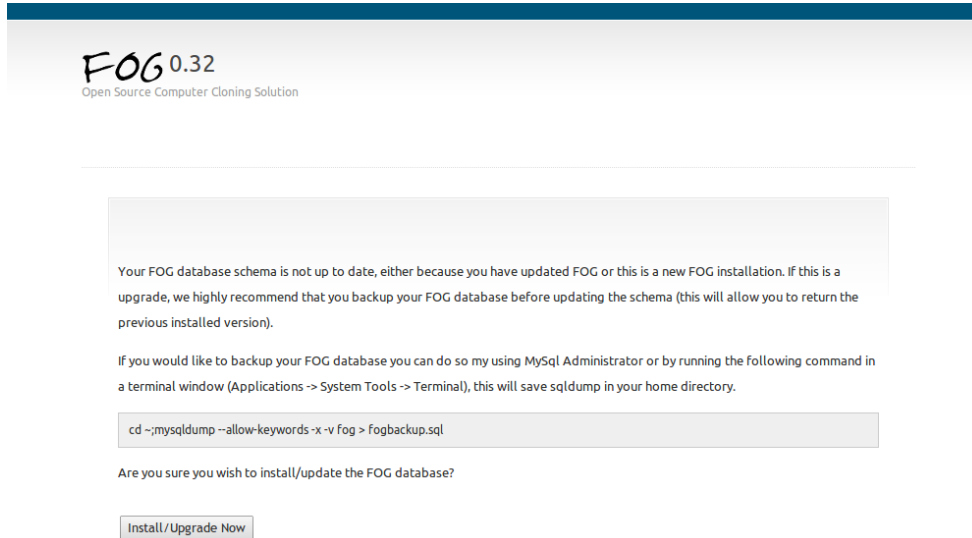
9. Canvia la contrasenya d'administrador de MySQL en l'arxiu de configuració de FOG

```
# nano /var/www/fog/commons/config.php
```

Cerca:	mysql_pass
Canvia:	define("MYSQL_PASSWORD", "");
Per:	define("MYSQL_PASSWORD", "PASSWORD");

10. Accedeix des d'una màquina amb interfície gràfica a http://192.168.1.XXX/fog

11. Prem Install/Upgrade Now



FOG 0.32
Open Source Computer Cloning Solution

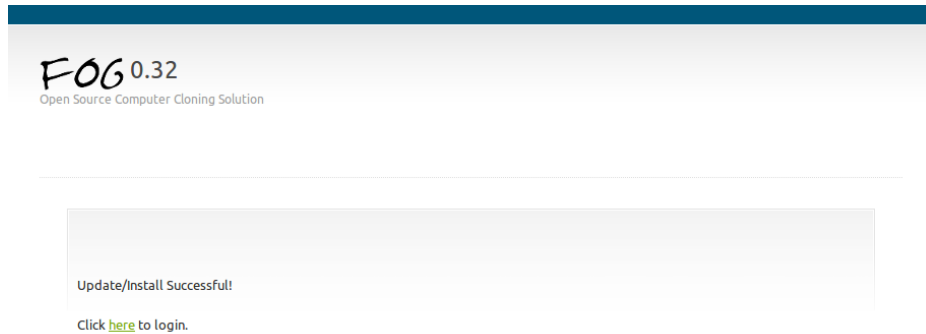
Your FOG database schema is not up to date, either because you have updated FOG or this is a new FOG installation. If this is a upgrade, we highly recommend that you backup your FOG database before updating the schema (this will allow you to return the previous installed version).

If you would like to backup your FOG database you can do so my using MySql Administrator or by running the following command in a terminal window (Applications -> System Tools -> Terminal), this will save sql dump in your home directory.

```
cd ~;mysqldump --allow-keywords -x -v fog > fogbackup.sql
```

Are you sure you wish to install/update the FOG database?

12. Clica sobre l'enllaç



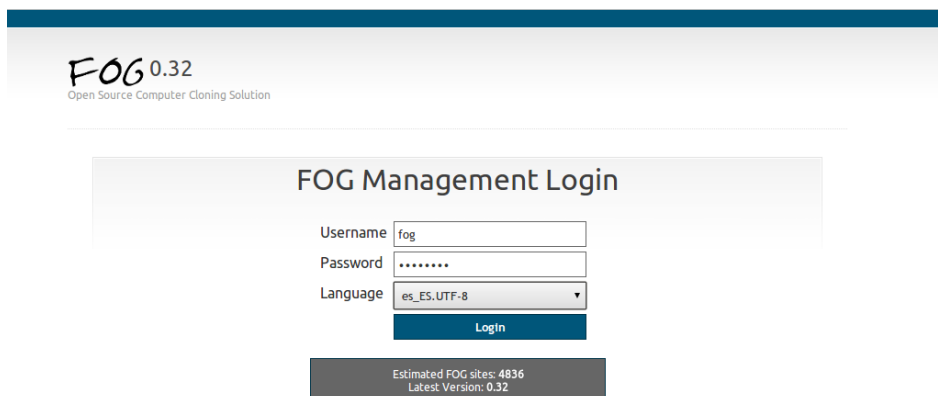
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Update/Install Successful!

Click [here](#) to login.

13. Escriu el nom d'usuari, la contrasenya i tria l'idioma

Usuari:	fog
Password:	password



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FOG Management Login

Username

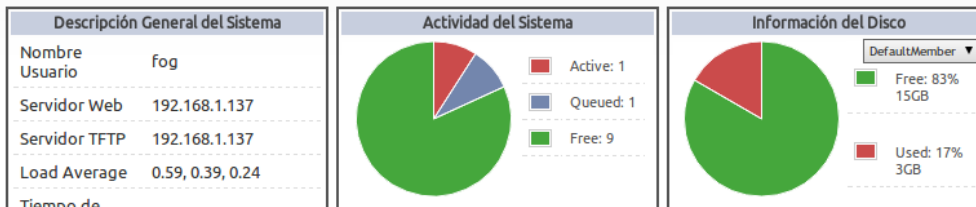
Password

Language

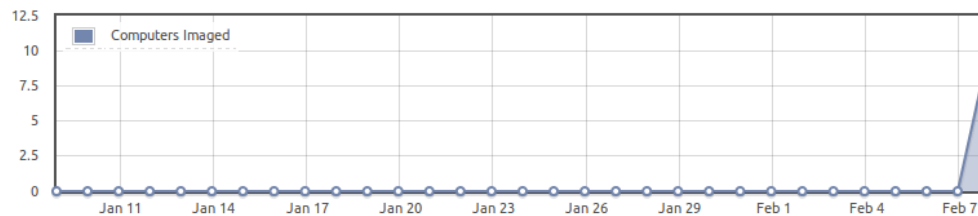
Estimated FOG sites: 4836
Latest Version: 0.32



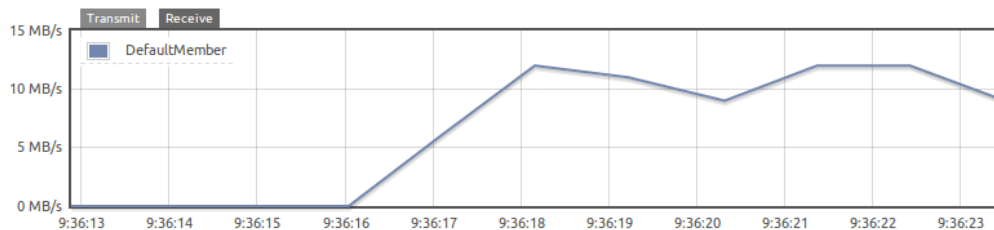
Dashboard



Imaging over the last 30days



Bandwidth - Transmit



14. Canvia la contrasenya d'usuari

Gestió de màquines i creació d'imatges

1. Crea una imatge
2. Crea una màquina anotant la MAC address XX:XX:XX:XX:XX:XX
3. Crea una tasca per a desar la imatge de la màquina
4. Canvia l'ordre d'engegada en la màquina client establint la xarxa com a primer dispositiu d'engegada
5. Engega la màquina client