

Solution Serveur de Déploiement d'Image sur Réseau Local

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I. Prérequis pour l'installation et l'utilisation de fog

A. Debian 8 « Jessie »

Pour l'installation de Debian 8 vous devez vous rendre sur le site de Debian (<https://www.debian.org/distrib/>) et télécharger la dernière version stable.

B. LAMP

LAMP est une émulation d'un serveur apache, qui permet d'exécution du PHP et d'un serveur MySQL qui permet l'émulation les bases de données.

Pour l'installer vous devez ouvrir votre terminal et vous connecter en super administrateur avec la commande :

```
su
```

Vous devez ensuite mettre à jours votre ordinateur :

```
apt-get update  
apt-get upgrade
```

Une fois fait installez php5 avec cette commande :

```
apt-get install apache2 php5 libapache2-mod-php5
```

Puis le serveur MySQL :

```
apt-get install mysql-server php5-mysql
```

Vous devez redémarrer les services :

```
/etc/init.d/apache2 restart  
/etc/init.d/mysql restart
```

Vous pouvez maintenant installer phpMyAdmin :

```
apt-get install phpmyadmin
```

C. Installation de Fog

Pour continuer vous devez rester sur le terminal en mode super administrateur et taper cette commande :

```
cd /opt  
wget -O fog.tar.gz  
http://sourceforge.net/projects/freeghost/files/latest/download?  
source=files
```

Vous devez ensuite extraire l'archive :

```
tar xzvf fog.tar.gz
```

Vous devez ensuite naviguer dans le dossier décompressée appelée fog_x.x.x/bin, vous devez remplacer les x par la bonne version :

```
cd fog_x.x.x/bin
```

Puis exécutez le programme d'installation :

```
./installfog.sh
```

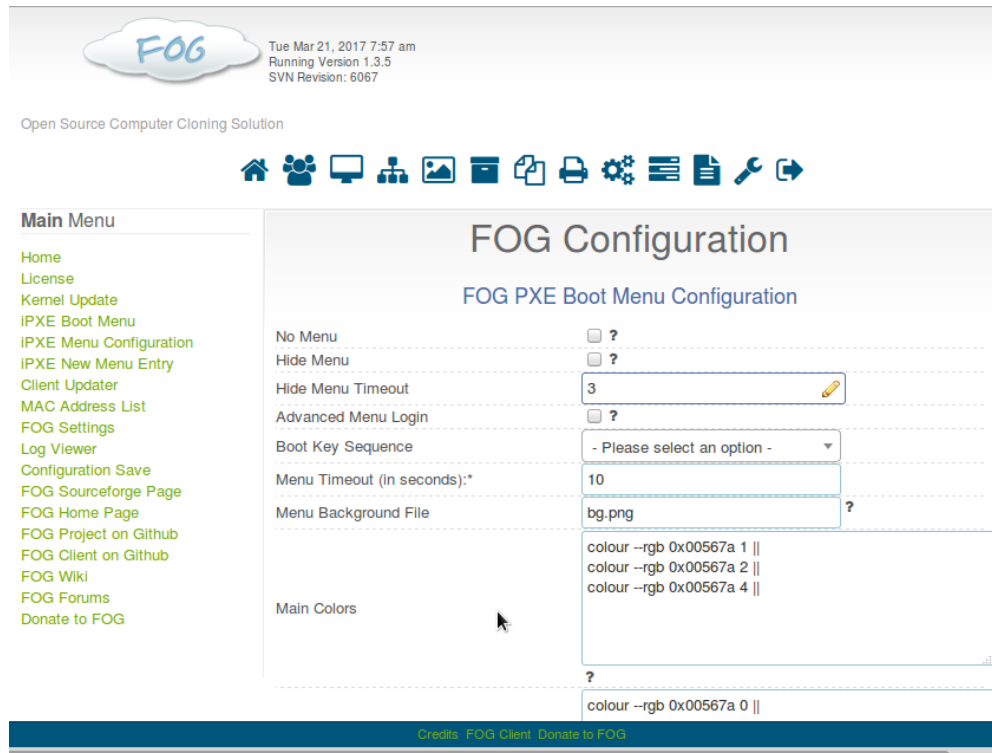
Dans ce programme d'installation vous allez devoir faire des choix pour le paramétrage de fog.

II. Activité Fog

D. Changer le mot de passe par défaut de fog, pour « azerty » :

The screenshot displays the FOG web interface. At the top, there's a header with the FOG logo, a timestamp 'Tue Mar 21, 2017 7:25 am', 'Running Version 1.3.5', 'SVN Revision: 6067', and a 'User updated' notification. Below the header is a navigation bar with various icons. The main content area is titled 'User Management' and shows the 'Edit: fog' form. The form includes fields for 'User Name' (filled with 'fog'), 'User Password' (masked with dots), 'User Password (confirm)' (also masked), and a checkbox for 'Mobile/Quick Image Access Only?'. An 'UPDATE' button is at the bottom right of the form. On the left, there's a 'Main Menu' with links like 'New Search', 'List All Users', 'Create New User', 'Export Users', and 'Import Users'. Below that is a 'User Menu' with 'General' and 'Delete' options. A 'User' box at the bottom left shows the name 'fog'. The footer contains 'Credits: FOG Client' and 'Donate to FOG'.

E. Modifier le timeout du PXE :



The screenshot shows the FOG Configuration page. The top header includes the FOG logo, the date and time (Tue Mar 21, 2017 7:57 am), the running version (1.3.5), and the SVN revision (6067). Below the header is a navigation bar with icons for home, users, computer, group, image, folder, document, printer, settings, list, file, wrench, and refresh. The main content area is titled "FOG Configuration" and "FOG PXE Boot Menu Configuration". It contains several configuration options: "No Menu" (checkbox with question mark), "Hide Menu" (checkbox with question mark), "Hide Menu Timeout" (text input with value 3), "Advanced Menu Login" (checkbox with question mark), "Boot Key Sequence" (dropdown menu with value "- Please select an option -"), "Menu Timeout (in seconds):*" (text input with value 10), "Menu Background File" (text input with value bg.png), and "Main Colors" (text area with color codes). A footer bar contains the text "Credits: FOG Client Donate to FOG".

FOG Configuration

FOG PXE Boot Menu Configuration

No Menu ☐ ?

Hide Menu ☐ ?

Hide Menu Timeout

Advanced Menu Login ☐ ?

Boot Key Sequence

Menu Timeout (in seconds):*

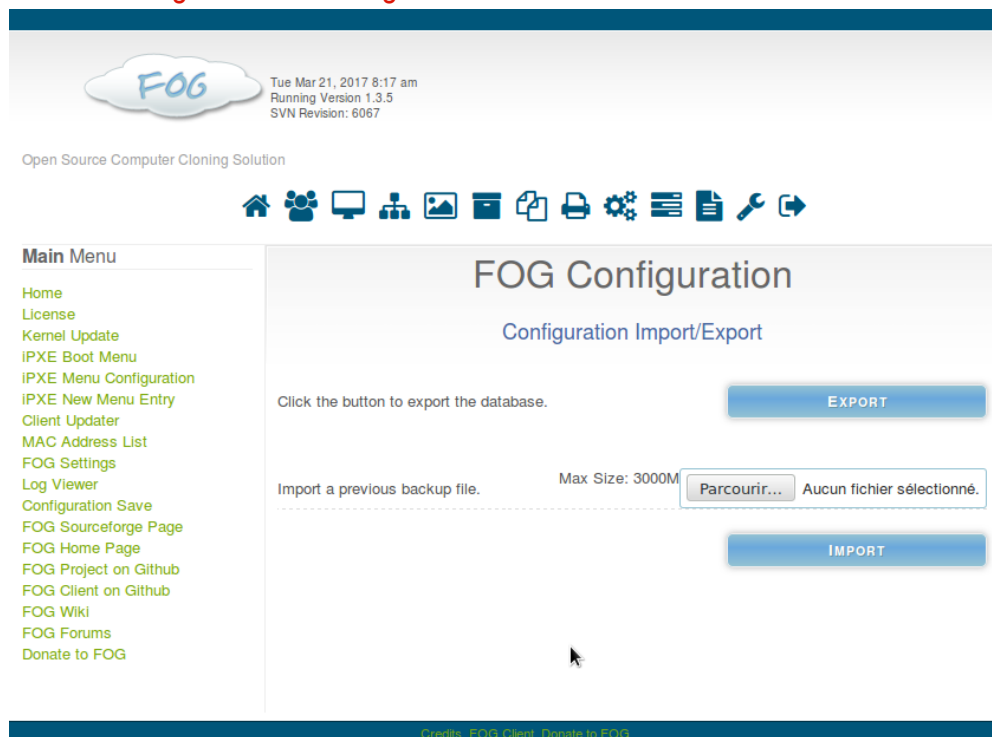
Menu Background File

Main Colors

colour --rgb 0x00567a 1 ||
colour --rgb 0x00567a 2 ||
colour --rgb 0x00567a 4 ||

Credits: FOG Client Donate to FOG

F. Sauvegarde de la configuration



The screenshot shows the FOG Configuration page. The top header includes the FOG logo, the date and time (Tue Mar 21, 2017 8:17 am), the running version (1.3.5), and the SVN revision (6067). Below the header is a navigation bar with icons for home, users, computer, group, image, folder, document, printer, settings, list, file, wrench, and refresh. The main content area is titled "FOG Configuration" and "Configuration Import/Export". It contains two sections: "Click the button to export the database." with an "EXPORT" button, and "Import a previous backup file." with a "Max Size: 3000M" label, a "Parcourir..." button, and an "Aucun fichier sélectionné." label. Below these is an "IMPORT" button. A footer bar contains the text "Credits: FOG Client Donate to FOG".

FOG Configuration

Configuration Import/Export

Click the button to export the database.

Import a previous backup file. Max Size: 3000M Aucun fichier sélectionné.

Credits: FOG Client Donate to FOG

G. Les logs de Fog

[License](#)
[Kernel Update](#)
[IPXE Boot Menu](#)
[IPXE Menu Configuration](#)
[IPXE New Menu Entry](#)
[Client Updater](#)
[MAC Address List](#)
[FOG Settings](#)
[Log Viewer](#)
[Configuration Save](#)
[FOG Sourceforge Page](#)
[FOG Home Page](#)
[FOG Project on Github](#)
[FOG Client on Github](#)
[FOG Wiki](#)
[FOG Forums](#)
[Donate to FOG](#)

FOG Log Viewer

File: Number of lines:

Reverse the file: (newest on top) : ☐

PAUSE

```
[03-23-17 7:35:13 am] FOGImageSize Start
[03-23-17 7:35:13 am] FOGImageSize forked child process (1570).
[03-23-17 7:35:13 am] FOGSnapinHash Start
[03-23-17 7:35:13 am] FOGSnapinHash forked child process (1571).
[03-23-17 7:35:13 am] FOGPingHosts Start
[03-23-17 7:35:13 am] FOGPingHosts forked child process (1572).
[03-23-17 7:35:13 am] FOGImageReplicator Start
[03-23-17 7:35:13 am] FOGImageReplicator forked child process (1573).
[03-23-17 7:35:13 am] FOGSnapinReplicator Start
[03-23-17 7:35:13 am] FOGSnapinReplicator forked child process (1574).
[03-23-17 7:35:13 am] FOGMulticastManager forked child process (1575).
[03-23-17 7:35:13 am] FOGTaskScheduler Start
[03-23-17 7:35:13 am] FOGTaskScheduler forked child process (1576).
[03-23-17 7:35:13 am] FOGImageReplicator child process (1573) is running.
[03-23-17 7:35:13 am] FOGMulticastManager child process (1575) is running.
[03-23-17 7:35:13 am] FOGPingHosts child process (1572) is running.
[03-23-17 7:35:13 am] FOGSnapinHash child process (1571) is running.
[03-23-17 7:35:13 am] FOGSnapinReplicator child process (1574) is running.
[03-23-17 7:35:13 am] FOGImageSize child process (1570) is running.
[03-23-17 7:35:13 am] FOGTaskScheduler child process (1576) is running.
```

Credits: FOG Client Donate to FOG

H. Répertoire Image

Edit: DefaultMember > Storage Management > FOG > Open Source Computer Cloning Solution - Mozilla Firefox

localhost/fog/management/index.php?node=storage&sub=edit&id=1

Rechercher

[Storage Node menu](#)
[General](#)
[Delete](#)
[Storage Node](#)
[DefaultMember](#)
[Image Path](#)
[/images](#)
[FTP Path](#)
[/images](#)

Storage Node Description

IP Address	10.0.2.15
Web root	/fog
Max Clients	10
Is Master Node	<input checked="" type="checkbox"/> ?
Replication Bandwidth (Kbps)	0 ?
Storage Group	default - (1)
Image Path	/images
FTP Path	/images
Snapin Path	/opt/fog/snapins
SSL Path	/opt/fog/snapins/ssl
Bitrate	
Interface	eth0
Is Enabled	<input checked="" type="checkbox"/>
Is Graph Enabled (On Dashboard)	<input checked="" type="checkbox"/>
Management Username	fog
Management Password

UPDATE

Credits: FOG Client Donate to FOG

Menu

cobryn@deb-fog-srv...

Edit: DefaultMember...

40% 08:51

I. Unicast et Multicast

L'unicast et pour un seul ordinateur, alors que le multicast et pour plusieurs ordinateurs en même temps.

J. WXP

K. Snap in