



root@foggy: ~



Terminal



root@foggy: ~



```
root@foggy:~# apt install software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  python3-software-properties
The following packages will be upgraded:
  python3-software-properties software-properties-common
2 upgraded, 0 newly installed, 0 to remove and 160 not upgraded.
Need to get 42.9 kB of archives.
After this operation, 5,120 B of additional disk space will be used.
Do you want to continue? [Y/n]
```



root@foggy: ~



Terminal



root@foggy: ~



```
root@foggy:~# tar -xvzf 1.5.10.1629
```



```
root@foggy:~# ls
```

```
1.5.10.1629  FOGProject-fogproject-831a95f  snap
```

```
root@foggy:~# rm 1.5.10.1629
```

```
root@foggy:~# cd FOGProject-fogproject-831a95f/
```

```
root@foggy:~/FOGProject-fogproject-831a95f#
```



root@foggy: ~/FOGProject-fogproject-831a95f



Terminal



root@foggy: ~/FOGProject-fogproject-831a95f



```
root@foggy:~# ls
```

```
1.5.10.1629  FOGProject-fogproject-831a95f  snap
```

```
root@foggy:~# rm 1.5.10.1629
```

```
root@foggy:~# cd FOGProject-fogproject-831a95f/
```

```
root@foggy:~/FOGProject-fogproject-831a95f# ./bin/installfog.sh
```



```
...##::###::...#..#...#.#...#:::..
:####:..##.....##::##..#
#.#...##:,;##;:::#:..##..
.#.#...:;####;:::..##:::;#:.
#.#...:;###..
+-----+
| Free Computer Imaging Solution |
+-----+
| Credits: http://fogproject.org/Credits |
| http://fogproject.org/Credits |
| Released under GPL Version 3 |
+-----+
```

Version: 1.5.10.1629 Installer/Updater

What version of Linux would you like to run the installation for?

- 1) Redhat Based Linux (Redhat, Alma, Rocky, CentOS, Mageia)
- 2) Debian Based Linux (Debian, Ubuntu, Kubuntu, Edubuntu)
- 3) Arch Linux

Choice: [2] 2



2) Debian Based Linux (Debian, Ubuntu, Kubuntu, Edubuntu)

3) Arch Linux

Choice: [2] 2

Starting Debian based Installation

FOG Server installation modes:

* 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

More information:

<http://www.fogproject.org/wiki/index.php?title=InstallationModes>

What type of installation would you like to do? [N/s (Normal/Storage)] N



Starting Debian based Installation

FOG Server installation modes:

* 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

More information:

<http://www.fogproject.org/wiki/index.php?title=InstallationModes>

What type of installation would you like to do? [N/s (Normal/Storage)] N

We found the following interfaces on your system:

* ens4 - 144.38.199.92/28

Would you like to change the default network interface from ens4?

If you are not sure, select No. [y/N] N



FOG Server installation modes:

* 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

More information:

<http://www.fogproject.org/wiki/index.php?title=InstallationModes>

What type of installation would you like to do? [N/s (Normal/Storage)] N

We found the following interfaces on your system:

* ens4 - 144.38.199.92/28

Would you like to change the default network interface from ens4?

If you are not sure, select No. [y/N] N

Would you like to setup a router address for the DHCP server? [Y/n] Y



FOG Server installation modes:

* 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

More information:

<http://www.fogproject.org/wiki/index.php?title=InstallationModes>

What type of installation would you like to do? [N/s (Normal/Storage)] N

We found the following interfaces on your system:

* ens4 - 144.38.199.92/28

Would you like to change the default network interface from ens4?

If you are not sure, select No. [y/N] N

Would you like to setup a router address for the DHCP server? [Y/n] Y

What is the IP address to be used for the router on

the DHCP server? [144.38.199.81]144.38.199.82



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

More information:

<http://www.fogproject.org/wiki/index.php?title=InstallationModes>

What type of installation would you like to do? [N/s (Normal/Storage)] N

We found the following interfaces on your system:

* ens4 - 144.38.199.92/28

Would you like to change the default network interface from ens4?

If you are not sure, select No. [y/N] N

Would you like to setup a router address for the DHCP server? [Y/n] Y

What is the IP address to be used for the router on

the DHCP server? [144.38.199.81]144.38.199.82

Would you like DHCP to handle DNS? [Y/n] Y

What DNS address should DHCP allow? [127.0.0.53] 8.8.8.8



*** 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

More information:

<http://www.fogproject.org/wiki/index.php?title=InstallationModes>

What type of installation would you like to do? [N/s (Normal/Storage)] N

We found the following interfaces on your system:

* ens4 - 144.38.199.92/28

Would you like to change the default network interface from ens4?

If you are not sure, select No. [y/N] N

Would you like to setup a router address for the DHCP server? [Y/n] Y

What is the IP address to be used for the router on the DHCP server? [144.38.199.81]144.38.199.82

Would you like DHCP to handle DNS? [Y/n] Y

What DNS address should DHCP allow? [127.0.0.53] 8.8.8.8

Would you like to use the FOG server for DHCP service? [y/N] N



to make this server act as a node in a storage group

More information:

<http://www.fogproject.org/wiki/index.php?title=InstallationModes>

What type of installation would you like to do? [N/s (Normal/Storage)] N

We found the following interfaces on your system:

* ens4 - 144.38.199.92/28

Would you like to change the default network interface from ens4?

If you are not sure, select No. [y/N] N

Would you like to setup a router address for the DHCP server? [Y/n] Y

What is the IP address to be used for the router on
the DHCP server? [144.38.199.81]144.38.199.82

Would you like DHCP to handle DNS? [Y/n] Y

What DNS address should DHCP allow? [127.0.0.53] 8.8.8.8

Would you like to use the FOG server for DHCP service? [y/N] N

This version of FOG has internationalization support, would
you like to install the additional language packs? [y/N] N



Using encrypted connections is state of the art on the web and we encourage you to enable this for your FOG server. But using HTTPS has some implications within FOG, PXE and fog-client and you want to read <https://wiki.fogproject.org/HTTPS> before you decide!
Would you like to enable secure HTTPS on your FOG server? [y/N] N

Which hostname would you like to use? Currently is: foggy
Note: This hostname will be in the certificate we generate for your FOG webserver. The hostname will only be used for this but won't be set as a local hostname on your server!
Would you like to change it? If you are not sure, select No. [y/N] N

FOG would like to collect some data:

We would like to collect the following information:

1. OS Name (CentOS, RedHat, Debian, etc....)
2. OS Version (8.0.2004, 7.2.1409, 9, etc....)
3. FOG Version (1.5.9, 1.6, etc....)

What is this information used for?

We would like to simply track the common types of OS being used, along with the OS Version, and the various versions of FOG being used.

Are you ok with sending this information? [Y/n] n



```
* Here are the settings FOG will use:  
* Base Linux: Debian  
* Detected Linux Distribution: Ubuntu  
* Interface: ens4  
* Server IP Address: 144.38.199.92  
* Server Subnet Mask: 255.255.255.240  
* Hostname: foggy  
* Installation Type: Normal Server  
* Internationalization: No  
* Image Storage Location: /images  
* Using FOG DHCP: No  
* DHCP will NOT be setup but you must setup your  
| current DHCP server to use FOG for PXE services.  
  
* On a Linux DHCP server you must set: next-server and filename  
  
* On a Windows DHCP server you must set options 066 and 067  
  
* Option 066/next-server is the IP of the FOG Server: (e.g. 144.38.199.92)  
* Option 067/filename is the bootfile: (e.g. undionly.kkpxe or snponly.efi)  
* Send OS Name, OS Version, and FOG Version: No  
  
* Are you sure you wish to continue (Y/N) Y
```



```
* Server Subnet Mask: 255.255.255.240
* Hostname: foggy
* Installation Type: Normal Server
* Internationalization: No
* Image Storage Location: /images
* Using FOG DHCP: No
* DHCP will NOT be setup but you must setup your
| current DHCP server to use FOG for PXE services.

* On a Linux DHCP server you must set: next-server and filename

* On a Windows DHCP server you must set options 066 and 067

* Option 066/next-server is the IP of the FOG Server: (e.g. 144.38.199.92)
* Option 067/filename is the bootfile: (e.g. undionly.kkpxe or snponly.efi)
* Send OS Name, OS Version, and FOG Version: No

* Are you sure you wish to continue (Y/N) Y

* Installation Started

* Testing internet connection.....Done
* Adjusting repository (can take a long time for cleanup).....OK
```



root@dhcp-server: ~



root@dhcp-server: ~



root@foggy: ~/FOGProject-fogproject-831a95f



```
root@dhcp-server:~# echo "I am on my dhcp server, adding the options so fog will work"
```

```
I am on my dhcp server, adding the options so fog will work
```

```
root@dhcp-server:~# vi /etc/dhcp/dhcpd.conf
```



```
# }
# subnet 10.0.29.0 netmask 255.255.255.0 {
#   option routers rtr-29.example.org;
# }
# pool {
#   allow members of "foo";
#   range 10.17.224.10 10.17.224.250;
# }
# pool {
#   deny members of "foo";
#   range 10.0.29.10 10.0.29.230;
# }
#}
#
subnet 144.38.199.80 netmask 255.255.255.240 {
range 144.38.199.83 144.38.199.86;
option subnet-mask 255.255.255.240;
option routers 144.38.199.81;
next-server 144.38.199.92;
filename "undionly.kkpxe";
}

include "/etc/dhcp/it3100.txt";
"/etc/dhcp/dhcpd.conf" 121L, 3882B
```



root@dhcp-server: ~



root@dhcp-server: ~



root@foggy: ~/FOGProject-fogproject-831a95f



```
root@dhcp-server:~# service isc-dhcp-server restart
root@dhcp-server:~# service isc-dhcp-server status
```



```
* Testing and removing symbolic links if found.....OK
* Backing up old data.....OK
* Copying new files to web folder.....OK
* Creating config file.....OK
* Creating redirection index file.....OK
* Downloading kernel, init and fog-client binaries.....Done
* Copying binaries to destination paths.....OK
* Enabling apache and fpm services on boot.....OK
* Creating SSL CA.....OK
* Creating SSL Private Key.....OK
* Creating SSL Certificate.....OK
* Creating auth pub key and cert.....OK
* Resetting SSL Permissions.....OK
* Setting up Apache virtual host (no SSL).....OK
* Starting and checking status of web services.....OK
* Changing permissions on apache log files.....OK
* Backing up database.....Done
```

```
* You still need to install/update your database schema.
* This can be done by opening a web browser and going to:
```

<http://144.38.199.92/fog/management>

```
* Press [Enter] key when database is updated/installed.
```

FOG Project

Install/Update

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

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

Your FOG database schema is not up to date, either because you have updated or this is a new FOG installation. If this is an upgrade, there will be a database backup stored on your FOG server defaulting under the folder /home/fogDBbackups. Should anything go wrong, this backup will enable you to return to the previous install if needed.

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

Install/Update Now

FOG Project

Install / Update Successful!
Click [here](#) to login

```
* Creating auth pub key and cert.....OK
* Resetting SSL Permissions.....OK
* Setting up Apache virtual host (no SSL).....OK
* Starting and checking status of web services.....OK
* Changing permissions on apache log files.....OK
* Backing up database.....Done

* You still need to install/update your database schema.
* This can be done by opening a web browser and going to:

  http://144.38.199.92/fog/management

* Press [Enter] key when database is updated/installed.

* Update fogstorage database password.....OK
* Granting access to fogstorage database user.....OK
* Setting up storage.....OK
* Setting up and starting DHCP Server.....Skipped
* Configuring default iPXE file.....OK
* Setting up and starting TFTP Server.....OK
* Setting up and starting VSFTP Server.....OK
* Setting up FOG Snapins.....OK
* Setting up UDPCast.....OK
* Configuring UDPCast.....
```



* Setup complete

You can now login to the FOG Management Portal using the information listed below. The login information is only if this is the first install.

This can be done by opening a web browser and going to:

<http://144.38.199.92/fog/management>

Default User Information

Username: fog

Password: password

* Changed configurations:

The FOG installer changed configuration files and created the following backup files from your original files:

* /etc/vsftpd.conf <=> /etc/vsftpd.conf.1736785723

* /etc/exports <=> /etc/exports.1736785723

```
root@foggy:~/FOGProject-fogproject-831a95f# echo "Change the default password"
```

```
Change the default password
```

```
root@foggy:~/FOGProject-fogproject-831a95f#
```



Dashboard

System Overview

Server information at a glance.

Username	fog
Web Server	144.38.199.92
Load Average	0.04, 0.48, 0.41
System Uptime	Up: 2 days 22 hrs 59 mins

Storage Group Activity

Selected groups's current activity

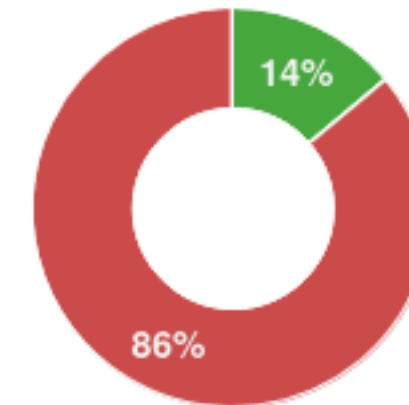


Free: 10
Queued: 0
Active: 0

default v

Storage Node Disk Usage

Selected node's disk usage



Free: 1.15 GiB
Used: 7.14 GiB

DefaultMember * (1.5.10.1629) v

Imaging Over the last 30 days



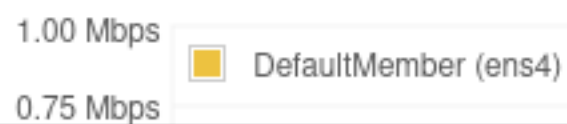
Bandwidth

Bandwidth - Transmit

Transmit Receive

Time - 2 Minutes

2 Minutes 10 Minutes 30 Minutes 1 Hour





root@dhcp-server: ~



root@dhcp-server: ~



root@foggy: ~/FOGProject-fogproject-831a95f



```
root@dhcp-server:~# service isc-dhcp-server restart
root@dhcp-server:~# echo "now test netboot a client"
now test netboot a client
root@dhcp-server:~# █
```

```
d00003177@edmund:~$ citv showvm
```

```
Virtual machines created for d00003177.
```

Machine Name	RAM(MB)	CPU	VNC:PORT	VLAN	MAC	B	ROM	Running	Course
dhcp	1024	1	othello:5973	2006	52:54:00:08:00:48	c	None	1/1	IT3100
dclient1	1024	1	None:5974	2006	52:54:00:08:00:49			0/0	IT3100
fclient1	1024	1	None:5975	2006	52:54:00:08:00:4A			0/0	IT3100
f_windows	8192	1	None:5988	2006	52:54:00:08:00:57			0/0	IT3100
d_windows	8192	1	None:5989	2006	52:54:00:08:00:58			0/0	IT3100
s25-large-disk-ubuntu-template		4096	1 None:6132	2006	52:54:00:08:00:E7			0/0	IT3100
foggy-large-s25	4192	1	cleopatra:6134	2006	52:54:00:08:00:E9	c	None	1/1	IT3100

```
d00003177@edmund:~$ echo "I will try to register my dynamic linux client"
```

```
I will try to register my dynamic linux client
```



```
d00003177@edmund:~$ citv bootvm dclient1 n
```

```
/usr/bin/ssh -q cleopatra "/qemu/bin/qemu-boot 74 'd00003177-dclient1' 1024 '52:54:00:08:00:49' '' '' 'n' 1 1 2006 '/qemu/images' 1;"
```

```
User(d00003177) has booted machine(dclient1) on server(cleopatra:74) with 1024 memory.
```

```
d00003177@edmund:~$
```

Remote View Bookmarks Help

 Connect       Send Ctrl-Alt-Del

Host is NOT registered!

Boot from hard disk

Run Memtest86+

Perform Full Host Registration and Inventory

Quick Registration and Inventory

Deploy Image

Join Multicast Session

Client System Information (Compatibility)

 **FOG Project**

Open Source Computer Cloning Solution



root@foggy: ~



root@dhcp-server: ~



root@foggy: ~



Terminal



Terminal





```
root@foggy:~# echo "You may have to hurry to get to that screen"
```

```
You may have to hurry to get to that screen
```

```
root@foggy:~# █
```

Remote View Bookmarks Help

 Connect       Send Ctrl-Alt-Del

```
* Running post init scripts.....Done
=====
===          ===          =====          ===
===          =====          ==          ===          ==          ===
===          =====          =====          ==          =====          ===
===          =====          =====          ==          =====          ===
===          =====          =====          ==          =====          ===
===          =====          =====          ==          =====          ===
===          =====          =====          ==          =====          ===
=====
===== Free Opensource Ghost =====
===== Credits =====
= https://fogproject.org/Credits =
=====
== Released under GPL Version 3 ==
=====
Version: 1.5.10.1629
Init Version: 20240905
* Using disk device...../dev/sda
Starting host registration
* Attempting to register host.....Done
PCI (sysfs)
```



root@foggy: ~



root@dhcp-server: ~



root@foggy: ~



Terminal



Terminal



```
root@foggy:~# echo "It shuts down the machine after inventorying it"
```

```
It shuts down the machine after inventorying it
```

```
root@foggy:~#
```

Host Management

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

All Hosts

<input type="checkbox"/>	Host	Imaged	Task	Assigned Image
	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>		<input type="text" value="Search..."/>
<input type="checkbox"/>	525400080049 52:54:00:08:00:49	No Data		

Group Associations

Create new group

or

Add to group

No items found

Make changes?

Delete Selected

Delete selected hosts

Host Management Edit: 525400080049

- Info
 - General**
 - Basic Tasks
 - Active Directory
 - Printers
 - Snapins
 - Service Settings
 - Power Management
 - Inventory
 - Virus History
 - Login History
 - Image History
 - Snapin History
- Membership Delete

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

Host general

Host Name	525400080049		
Primary MAC	Load MAC Vendors	52:54:00:08:00:49	<input type="checkbox"/> I.M.C. <input type="checkbox"/> I.M.I.
Host description	Created by FOG Reg on January 13, 2025, 4:45 pm		
Host Product Key			
Host Image	No items found		
Host Kernel			
Host Kernel Arguments			
Host Init			
Host Primary Disk			
Host Bios Exit Type	- Please Select an option -		
Host EFI Exit Type	- Please Select an option -		

Host Management Edit: 525400080049

- Info
 - General
 - Basic Tasks**
 - Active Directory
 - Printers
 - Snapins
 - Service Settings
 - Power Management
 - Inventory
 - Virus History
 - Login History
 - Image History
 - Snapin History
- Membership Delete

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

Host Tasks



Deploy

Deploy action will send an image saved on the FOG server to the client computer with all included snapins.



Capture

Capture will pull an image from a client computer that will be saved on the server.



Advanced

View advanced tasks for this host.



root@foggy: ~



root@dhcp-server: ~



root@foggy: ~



Terminal



Terminal



```
root@foggy:~# echo "Create an image before you try to capture"
```

```
Create an image before you try to capture
```

```
root@foggy:~# █
```

Image Management

Main Menu

List All Images

Create New Image

Export Images

Import Images

Multicast Image

Search images

Image Management

Main Menu

- List All Images
- Create New Image
- Export Images
- Import Images
- Multicast Image

New Image

Image Name	<input type="text" value="dynamic-linux"/>
Image Description	<input type="text"/>
Storage Group	<input type="text" value="default - (1)"/>
Operating System	<input type="text" value="Linux - (50)"/>
Image Path	<input type="text" value="/images/ dynamic-linux"/>
Image Type ?	<input type="text" value="Single Disk - Resizable - (1)"/>
Partition	<input type="text" value="Everything - (1)"/>
Image Enabled	<input checked="" type="checkbox"/>
Replicate?	<input checked="" type="checkbox"/>
Compression	<input type="range" value="6"/>
Image Manager	<input type="text" value="Partclone Zstd"/>
Create Image	<input type="button" value="Add"/>

Image Management

Main Menu

- List All Images
- Create New Image
- Export Images
- Import Images
- Multicast Image

All Images

			Image Name	Storage Group	Image Size: ON CLIENT	Captured
		<input type="checkbox"/>	Search...	Search...	Search...	Search...
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	dynamic-linux - 1 Single Disk - Resizable ZSTD Compressed	default	0.00 iB	Invalid date

Delete Selected

Delete selected images

Delete




Host Management Edit: 525400080049

- Info
 - General
 - Basic Tasks**
 - Active Directory
 - Printers
 - Snapins
 - Service Settings
 - Power Management
 - Inventory
 - Virus History
 - Login History
 - Image History
 - Snapin History
- Membership Delete

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

Host Tasks

 Deploy	Deploy action will send an image saved on the FOG server to the client computer with all included snapins.
 Capture	Capture will pull an image from a client computer that will be saved on the server.
 Advanced	View advanced tasks for this host.

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

Host general

Host Name

Primary MAC I.M.C. I.M.I.

Host description

Host Product Key

Host Image

Host Kernel

Host Kernel Arguments

Host Init

Host Primary Disk

Host Bios Exit Type

Host EFI Exit Type

Make Changes?

Host Management

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

All Hosts

<input type="checkbox"/>	<input type="checkbox"/>	Host	Imaged	Task	Assigned Image
		<input type="text" value="Search..."/>	<input type="text" value="Search..."/>		<input type="text" value="Search..."/>
<input type="checkbox"/>	<input type="checkbox"/>	525400080049 52:54:00:08:00:49	No Data		dynamic-linux

Group Associations

Create new group

or

Add to group

No items found

Make changes?

Delete Selected

Delete selected hosts

Host Management Edit: 525400080049

- Info
- General
- Basic Tasks
- Active Directory
- Printers
- Snapins
- Service Settings
- Power Management
- Inventory
- Virus History
- Login History
- Image History
- Snapin History
- Membership
- Delete

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

Confirm tasking
Image Associated: dynamic-linux

Advanced Settings

- Schedule with shutdown
- Wake on lan?
- Schedule as debug task
- Schedule instant
- Schedule delayed
- Schedule cron-style

Create Capture Tasking

Task


Remote View Bookmarks Help

 Connect       Send Ctrl-Alt-Del

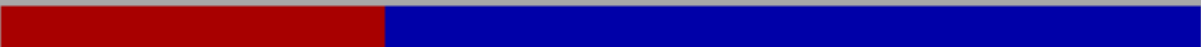
```
net0: 144.38.199.84/255.255.255.240 gw 144.38.199.81
net0: 2001:1948:e10:2005:5054:ff:fe08:49/64 gw fe80::d62c:44ff:fe0e:83c0
net0: fe80::5054:ff:fe08:49/64
Next server: 144.38.199.92
Filename: undionly.kkpxe
tftp://144.38.199.92/undionly.kkpxe... ok
undionly.kkpxe : 105458 bytes [PXE-NBP]
PXE->EB: !PXE at 9C64:0750, entry point at 9C64:0160
        UNDI code segment 9C64:0842, data segment 9CEC:2D10 (625-639kB)
        UNDI device is PCI 00:04.0, type DIX+802.3
        625kB free base memory after PXE unload
iPXE initialising devices...

iPXE 1.21.1+ (g5de5d) -- Open Source Network Boot Firmware -- https://ipxe.org
Features: DNS FTP HTTP HTTPS iSCSI NFS TFTP ULAN AoE ELF MBOOT PXE bzImage Menu
PXEXT
Configuring (net0 52:54:00:08:00:49)..... ok
Received DHCP answer on interface net0
tftp://144.38.199.92/default.ipxe... ok
http://144.38.199.92/fog/service/ipxe/boot.php... ok
bzImage... ok
init.xz... ok
```

```
----- Partclone -----  
Starting to clone device (/dev/sda2) to image (/tmp/pigz1)  
note: Storage Location 144.38.199.92:/images/dev/, Image nam  
e dynamic-linux  
Reading Super Block  
Calculating bitmap... Please wait...  
done!  
File system:  EXTFS  
Device size:   8.4 GB = 2057305 Blocks  
Space in use:  6.8 GB = 1671241 Blocks  
Free Space:    1.6 GB = 386064 Blocks  
Block size:   4096 Byte  
  
Elapsed: 00:00:52 Remaining: 00:01:17   Rate:   3.18GB/min  
Current Block: 673539 Total Block: 2057305  
  
Data Block Process:  

 40.30%  
  
Total Block Process:  

 32.74%
```

Image Management

Main Menu

- List All Images
- Create New Image
- Export Images
- Import Images
- Multicast Image

All Images

			Image Name	Storage Group	Image Size: ON CLIENT	Captured
		<input type="checkbox"/>	Search...	Search...	Search...	Search...
		<input type="checkbox"/>	dynamic-linux - 1 Single Disk - Resizable ZSTD Compressed	default	7.85 GiB	2025-01-13 23:20:20

Delete Selected

Delete selected images

Delete



```
joe@foggy-s25:~/fogproject-stable$ echo "Image was captured, you can see a size. Register a new host and deploy to it now"
```

```
Image was captured, you can see a size. Register a new host and deploy to it now
```

```
joe@foggy-s25:~/fogproject-stable$
```



Terminal



joe@dhcp-server: /etc/dhcp

Terminal

joe@foggy-s25: ~/fogproject-stable

Terminal

```
d00003177@edmund:~$ citv createvm testnetboot 4096 2006
```

```
A machine name, RAM(MB) size, disk size(GB), VLAN(number) must be specified.
```

```
A CPU count may be specified.
```

```
d00003177@edmund:~$ citv createvm testnetboot 4096 16 2006
```

```
/qemu/bin/qemu-new-image d00003177-testnetboot 16 /qemu/images;
```

```
Formatting '/qemu/images/d00003177-d00003177-testnetboot.img', fmt=raw size=17179869184
```

```
User d00003177 has created the machine testnetboot : 265 with 4096 memory
```

```
d00003177@edmund:~$ citv bootvm testnetboot n
```

```
/usr/bin/ssh -q edmund "/qemu/bin/qemu-boot 265 'd00003177-testnetboot' 4096 '52:54:00:08:01:08' '' '' "
```

```
' 'n' 1 1 2006 '/qemu/images' 1;"
```

```
User(d00003177) has booted machine(testnetboot) on server(edmund:265) with 4096 memory.
```

```
d00003177@edmund:~$
```

Remote View Bookmarks Help

 Connect       Send Ctrl-Alt-Del

```
OK
* Running post init scripts.....Done
=====
===          ===          ===          ===
===          ==   ==   ==   ==
===          ==   ==   ==   ==
===          ==   ==   ==   ==
===          ==   ==   ==   ==
===          ==   ==   ==   ==
===          ==   ==   ==   ==
===          ==   ==   ==   ==
===          ==   ==   ==   ==
===          ==   ==   ==   ==
=====
==== Free Opensource Ghost ====
=====
==== Credits =====
= https://fogproject.org/Credits =
=====
== Released under GPL Version 3 ==
=====
Version: 1.5.10.1629
Init Version: 20240905
* Using disk device...../dev/sda
Starting host registration
* Attempting to register host....._
```

Host Management

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

All Hosts

<input type="checkbox"/>			Host	Imaged	Task	Assigned Image
			<input type="text" value="Search..."/>	<input type="text" value="Search..."/>		<input type="text" value="Search..."/>
<input type="checkbox"/>	?	!	525400080049 52:54:00:08:00:49	No Data		dynamic-linux
<input type="checkbox"/>	?	☑	525400080108 52:54:00:08:01:08	No Data		

Group Associations

Create new group

or

Add to group

No items found

Make changes?

Delete Selected

Delete selected hosts

Host Management

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

All Hosts

<input type="checkbox"/>			Host	Imaged	Task	Assigned Image
			<input type="text" value="Search..."/>	<input type="text" value="Search..."/>		<input type="text" value="Search..."/>
<input type="checkbox"/>	?		525400080049 52:54:00:08:00:49	No Data		dynamic-linux
<input type="checkbox"/>	?		525400080108 52:54:00:08:01:08	No Data		

Group Associations

Create new group

or

Add to group

No items found

Make changes?

Delete Selected

Delete selected hosts

Host Management Edit: 525400080108

- Info
 - General**
 - Basic Tasks
 - Active Directory
 - Printers
 - Snapins
 - Service Settings
 - Power Management
 - Inventory
 - Virus History
 - Login History
 - Image History
 - Snapin History
- Membership Delete

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

Host general

Host Name	525400080108
Primary MAC	<input type="button" value="Load MAC Vendors"/> <input type="text" value="52:54:00:08:01:08"/> <input type="button" value="+"/> <input type="checkbox"/> I.M.C. <input type="checkbox"/> I.M.I.
Host description	Created by FOG Reg on January 13, 2025, 11:39 pm
Host Product Key	<input type="text"/>
Host Image	dynamic-linux - (1)
Host Kernel	<input type="text"/>
Host Kernel Arguments	<input type="text"/>
Host Init	<input type="text"/>
Host Primary Disk	<input type="text"/>
Host Bios Exit Type	- Please Select an option -
Host EFI Exit Type	- Please Select an option -

Host Management

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

All Hosts

<input type="checkbox"/>			Host	Imaged	Task	Assigned Image
			<input type="text" value="Search..."/>	<input type="text" value="Search..."/>		<input type="text" value="Search..."/>
<input type="checkbox"/>	?	!	525400080049 52:54:00:08:00:49	No Data		dynamic-linux
<input type="checkbox"/>	?	Windows icon	525400080108 52:54:00:08:01:08	No Data		dynamic-linux

Group Associations

Create new group

or

Add to group

No items found

Make changes?

Delete Selected

Delete selected hosts

Host Management Edit: 525400080108

- Info
- General
- Basic Tasks
- Active Directory
- Printers
- Snapins
- Service Settings
- Power Management
- Inventory
- Virus History
- Login History
- Image History
- Snapin History
- Membership
- Delete

Main Menu

- List All Hosts
- Create New Host
- Export Hosts
- Import Hosts

Confirm tasking
Image Associated: dynamic-linux

Advanced Settings

- Schedule with shutdown
- Wake on lan?
- Schedule as debug task
- Schedule instant
- Schedule delayed
- Schedule cron-style

Create Deploy Tasking

Task

```
Init Version: 20240905
* Verifying network interface configuration.....Done
* Checking Operating System.....Linux
* Checking CPU Cores.....1
* Send method.....NFS
* Attempting to check in.....Done
* Mounting File System.....Done
* Checking Mounted File System.....Done
* Checking img variable is set.....Done
* Attempting to send inventory.....Done
* Using Image: dynamic-linux
* Looking for Hard Disk(s).....Done
* Using Disk: /dev/sda
* Enabling write cache.....Enabled
* Using Hard Disk: /dev/sda
* Preparing Partition layout
* Erasing current MBR/GPT Tables.....Done
* Restoring Partition Tables (GPT).....Done
* Attempting to expand/fill partitions.....Done
+-----+
| Attempting to deploy image |
+-----+
|           Using Partclone           |
+-----+
```

—



```
joe@foggy-s25:~/fogproject-stable$ echo "After that finishes, hopefully you can boot from c drive"  
After that finishes, hopefully you can boot from c drive  
joe@foggy-s25:~/fogproject-stable$
```