

Serveur Fog

Configuration DHCP

```
GNU nano 2.3.1 Fichier : /etc/dhcp/dhcpd.conf

#
# DHCP Server Configuration file.
#   see /usr/share/doc/dhcp*/dhcpd.conf.example
#   see dhcpd.conf(5) man page
#

default-lease-time 600;
max-lease-time 7200;
authoritative;
allow booting;
allow bootp;
allow unknown-clients;
ignore client-updates;

subnet 192.168.1.0 netmask 255.255.255.0 {
    range dynamic-bootp 192.168.1.15 192.168.1.100;
    next-server 192.168.1.12;
    filename "ipxe.kpxe";
}

[root@localhost ~]# systemctl status dhcpd
● dhcpd.service - DHCPv4 Server Daemon
   Loaded: loaded (/etc/systemd/system/dhcpd.service; enabled; vendor preset: disabled)
   Active: active (running) since jeu. 2011-02-24 01:10:11 CET; 1h 17min ago
     Docs: man:dhcpd(8)
           man:dhcpd.conf(5)
  Main PID: 3283 (dhcpd)
    Status: "Dispatching packets..."
     Tasks: 1
   CGroup: /system.slice/dhcpd.service
           └─3283 /usr/sbin/dhcpd -f -cf /etc/dhcp/dhcpd.conf -user dhcpd -group dhcpd --no-pid

févr. 24 01:18:55 localhost.localdomain dhcpd[3283]: DHCPREQUEST for 192.168.1.19 from 84:7b:e...s0
févr. 24 01:18:55 localhost.localdomain dhcpd[3283]: DHCPACK on 192.168.1.19 to 84:7b:eb:11:42...s0
févr. 24 01:23:54 localhost.localdomain dhcpd[3283]: DHCPREQUEST for 192.168.1.19 from 84:7b:e...s0
févr. 24 01:23:54 localhost.localdomain dhcpd[3283]: DHCPACK on 192.168.1.19 to 84:7b:eb:11:42...s0
févr. 24 01:28:55 localhost.localdomain dhcpd[3283]: DHCPREQUEST for 192.168.1.19 from 84:7b:e...s0
févr. 24 01:28:55 localhost.localdomain dhcpd[3283]: DHCPACK on 192.168.1.19 to 84:7b:eb:11:42...s0
févr. 24 01:33:57 localhost.localdomain dhcpd[3283]: DHCPREQUEST for 192.168.1.19 from 84:7b:e...s0
févr. 24 01:33:57 localhost.localdomain dhcpd[3283]: DHCPACK on 192.168.1.19 to 84:7b:eb:11:42...s0
févr. 24 01:33:57 localhost.localdomain dhcpd[3283]: DHCPREQUEST for 192.168.1.19 from 84:7b:e...s0
févr. 24 01:33:57 localhost.localdomain dhcpd[3283]: DHCPACK on 192.168.1.19 to 84:7b:eb:11:42...s0
hint: Some lines were ellipsized, use -l to show in full.
[root@localhost ~]#
```

Configuration TFTP

```
GNU nano 2.3.1 Fichier : /etc/xinetd.d/tftp

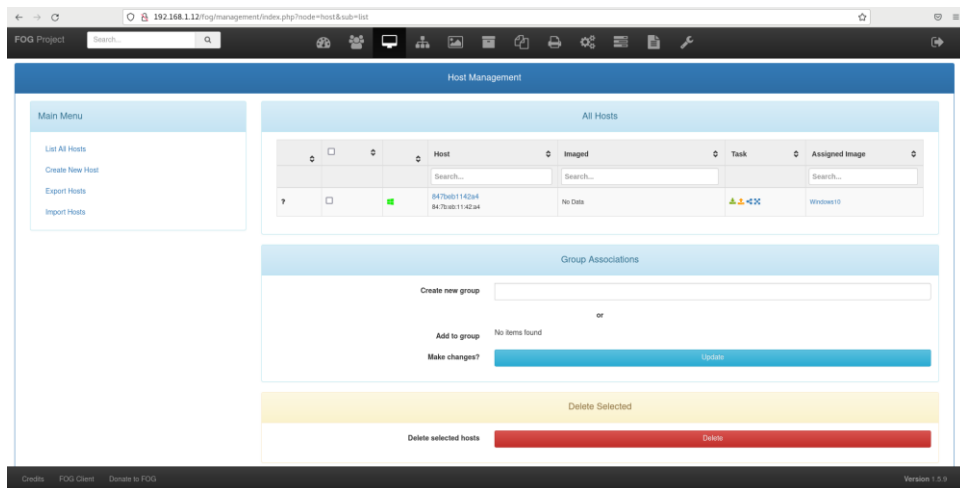
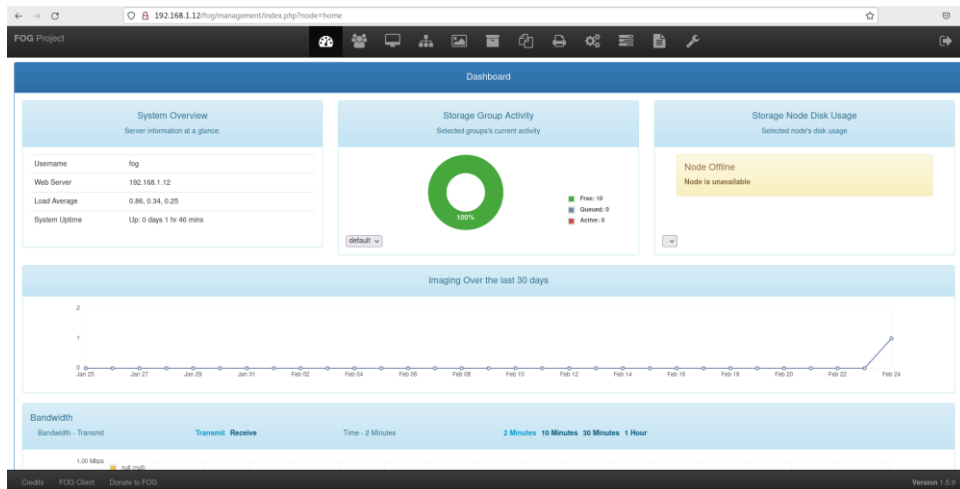
# default: off
# description: The tftp server serves files using the trivial file transfer \
#               protocol. The tftp protocol is often used to boot diskless \
#               workstations, download configuration files to network-aware printers, \
#               and to start the installation process for some operating systems.

service tftp
{
    socket_type        = dgram
    protocol           = udp
    wait               = yes
    user               = root
    server              = /usr/sbin/in.tftpd
    server_args         = -c -s /tftpboot/
    disable             = no
    per_source          = 11
    cps                = 100 2
    flags              = IPv4
}

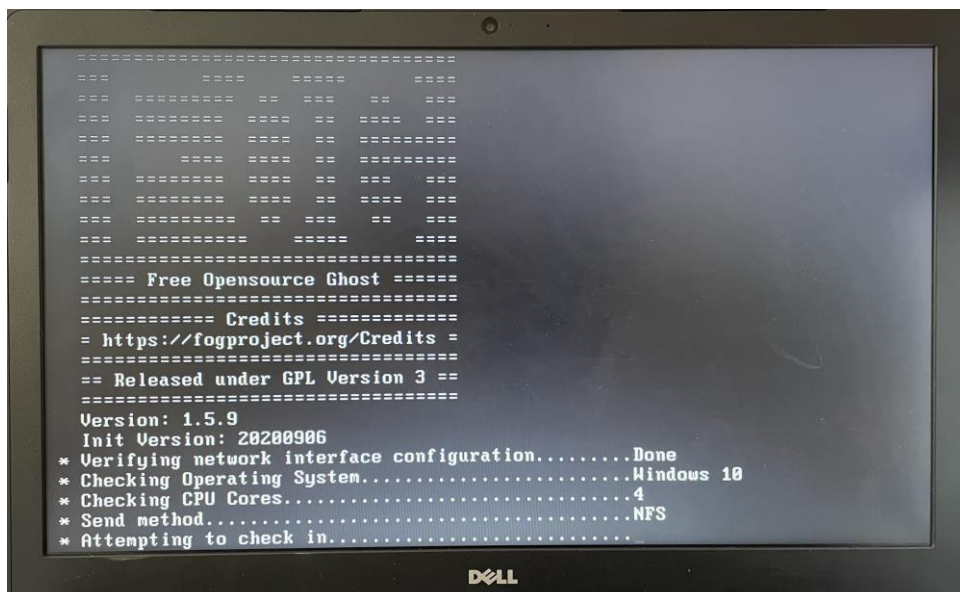
● tftp.service - Tftp Server
   Loaded: loaded (/usr/lib/systemd/system/tftp.service; indirect; vendor preset: disabled)
   Active: active (running) since jeu. 2011-02-24 02:30:58 CET; 626ms ago
     Docs: man:in.tftpd
  Main PID: 8971 (in.tftpd)
     Tasks: 1
    CGroup: /system.slice/tftp.service
           └─8971 /usr/sbin/in.tftpd -s /var/lib/tftpboot

févr. 24 02:30:58 localhost.localdomain systemd[1]: Started Tftp Server.
```

Interface Fog



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Intel UNDI, PXE-2.1 (build 083)
Copyright (C) 1997-2000 Intel Corporation

This Product is covered by one or more of the following patents:
US6,570,884, US6,115,776 and US6,927,625

Realtek PCIe GBE Family Controller Series v2.60 (06/04/14)

CLIENT MAC ADDR: 84 7B EB 11 42 A4 GUID: 44454C4C-3200-1056-8047-C2C04F4E3732
CLIENT IP: 192.168.1.30 MASK: 255.255.255.0 DHCP IP: 192.168.1.12

PXE->EB: tPXE at 98C4:0070, entry point at 98C4:0100
UNDI code segment 98C4:4548, data segment 8C79:C4B0 (561-629kB)
UNDI device is PCI 07:00.0, type DIX+802.3
561kB free base memory after PXE unload
ipXE initialising devices...ok

ipXE 1.21.1+ (gd3c89) -- Open Source Network Boot Firmware -- <https://ipxe.org>
Features: DNS FTP HTTP HTTPS iSCSI NFS TFTP SRP VLAN AoE ELF MBOOT PXE bzImage M
enu PXEXT
Waiting for link-up on net0...

DELL