

Installation/Configuration service dhcp

1) Mise à jour service DHCP

“apt update” & “apt-upgrade”

2) Installation DHCP

La commande suivante permet l'installation du service DHCP

“apt install isc-dhcp-server”

Par la suite, une fois le service dhcp installé, une autre commande nécessaire est à effectuer afin de modifier la configuration IP du Serveur DHCP, et ainsi rentrer dans le fichier de configuration du Serveur.

“ nano /etc/dhcp/dhcpd.conf ”

```
# A slightly different configuration for an internal subnet.
subnet 192.168.229.32 netmask 255.255.255.224 {
  range 192.168.229.33 192.168.229.62;
  option domain-name-servers 8.8.8.8;
  option domain-name "GSB.LOCAL";
  option routers 192.168.229.33;
  option broadcast-address 192.168.229.63;
  default-lease-time 600;
  max-lease-time 7200;
}
```

Le service est installé, et actif, pour le vérifier il suffit d'exécuter la commande suivante :

“ systemctl status isc-dhcp-server”

Si le service a été correctement installé, il devra afficher les lignes suivantes :

```
root@dhcp:~# systemctl status isc-dhcp-server
* isc-dhcp-server.service - ISC DHCP server
  Loaded: loaded (/usr/lib/systemd/system/isc-dhcp-server.service; generated)
  Active: active (running) since Fri 2022-04-08 11:33:54
  Docs: man:dhcpd(8); man:dhcpd.conf(5)
  Process: 511 ExecStart=/etc/init.d/isc-dhcp-server start (code=exited, status=0/PROCESS)
  Main PID: 511 (dhcpd)
  Memory: 5.1M
  CGroup: /system.slice/isc-dhcp-server.service
          └─511 /usr/sbin/dhcpd -4 -q -cf /etc/dhcp/dhcpd.conf

Apr 08 11:33:21 dhcp dhcpd[511]: DHCPREQUEST for 192.168.
Apr 08 11:33:21 dhcp dhcpd[511]: DHCPACK on 192.168.229.3
Apr 08 11:44:21 dhcp dhcpd[511]: DHCPREQUEST for 192.168.
Apr 08 11:44:21 dhcp dhcpd[511]: DHCPACK on 192.168.229.3
Apr 08 11:45:21 dhcp dhcpd[511]: DHCPREQUEST for 192.168.
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Apr 08 11:55:21 dhcp dhcpd[511]: DHCPACK on 192.168.229.3
root@dhcp:~# systemctl status isc-dhcp-server
* isc-dhcp-server.service - ISC DHCP server
  Loaded: loaded (/usr/lib/systemd/system/isc-dhcp-server.service; generated)
  Active: active (running) since Fri 2022-04-08 11:33:54; 22min ago
  Docs: man:dhcpd(8); man:dhcpd.conf(5)
  Process: 511 ExecStart=/etc/init.d/isc-dhcp-server start (code=exited, status=0/PROCESS)
  Main PID: 511 (dhcpd)
  Memory: 5.1M
  CGroup: /system.slice/isc-dhcp-server.service
          └─511 /usr/sbin/dhcpd -4 -q -cf /etc/dhcp/dhcpd.conf

Apr 08 11:33:21 dhcp dhcpd[511]: DHCPREQUEST for 192.168.229.36 (192.168.229.62) from 02:04:04:00:00:00 (DHCPREQUEST) via eth0
Apr 08 11:33:21 dhcp dhcpd[511]: DHCPACK on 192.168.229.36 to 02:04:04:00:00:00 (DHCPACK) via eth0
Apr 08 11:44:21 dhcp dhcpd[511]: DHCPREQUEST for 192.168.229.36 from 02:04:04:00:00:00 (DHCPREQUEST) via eth0
```

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