	MP07 UF1 NF1		
Institut Antoni Ballester Sistemes Microinformàtics i Xarxes. M7- ServeisdeXarxa	A1.2 Pràctica 2 DHCP	Unai O. Pujol	Curs: 24-25

Entrega una captura de la nova configuració (sudo cat /etc/dhcp/dhcpd.conf)

```
Tue Sep 24 17:18:17 pujolu@zeus:~$ sudo cat /etc/dhcp/dhcpd.conf
option domain-name "example.org";
option domain-name-servers ns1.example.org, ns2.example.org;

default-lease-time 600;
max-lease-time 7200;

ddns-update-style none;

subnet 172.30.1.0 netmask 255.255.255.0 {
  range 172.30.1.2 172.30.1.99;
  option domain-name-servers 172.30.1.1, 172.30.1.2;
  option domain-name "unai-o-pujol.test";
  option subnet-mask 255.255.255.0;
  option routers 172.30.1.1;
  option broadcast-address 172.30.1.255;
  default-lease-time 3600;
  max-lease-time 7200;
}

host WEBSERVER {
  hardware ethernet 00:0c:76:8b:c4:16;
  fixed-address 172.30.1.5;
  option domain-name-servers 8.8.8.8;
  option routers 10.0.0.1;
}

host PRINTER {
  hardware ethernet e8:04:62:90:07:62;
  fixed-address 172.30.1.7;
  option domain-name-servers 8.8.4.4;
  option routers 10.0.0.1;
}

host PC1 {
  hardware ethernet 08:00:27:2a:ad:8f;
  fixed-address 172.30.1.8;
}
Tue Sep 24 17:18:22 pujolu@zeus:~$
```

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Entrega una captura de la instrucció per validar l'adreça IP i del seu resultat.

```
Tue Sep 24 12:08:49 pujolu@PC1: $ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 100
0
    link/ether 08:00:27:2a:ad:8f brd ff:ff:ff:ff:ff:ff
    inet 172.30.1.2/24 metric 100 brd 172.30.1.255 scope global dynamic enp0s3
       valid_lft 3309sec preferred_lft 3309sec
    inet6 fe80::a00:27ff:fe2a:ad8f/64 scope link
       valid_lft forever preferred_lft forever
Tue Sep 24 12:08:51 pujolu@PC1: $ sudo dhclient -4
[sudo] password for pujolu:
Tue Sep 24 12:09:31 pujolu@PC1: $ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 100
0
    link/ether 08:00:27:2a:ad:8f brd ff:ff:ff:ff:ff:ff
    inet 172.30.1.8/24 brd 172.30.1.255 scope global dynamic enp0s3
       valid_lft 3595sec preferred_lft 3595sec
    inet6 fe80::a00:27ff:fe2a:ad8f/64 scope link
       valid_lft forever preferred_lft forever
Tue Sep 24 12:09:36 pujolu@PC1: $ _
```

Entrega una captura de les modificacions de l'arxiu de configuració (sudo cat /etc/dhcp/dhcpd.conf)

```
Tue Oct 01 08:19:46 pujolu@zeus:~$ sudo cat /etc/dhcp/dhcpd.conf
option domain-name "example.org";
option domain-name-servers ns1.example.org, ns2.example.org;
#
default-lease-time 600;
max-lease-time 7200;
#
ddns-update-style none;
#
subnet 172.30.1.0 netmask 255.255.255.0 {
#   range 172.30.1.2 172.30.1.99;
  option domain-name-servers 172.30.1.1, 172.30.1.2;
  option domain-name "unai-o-pujol.test";
  option subnet-mask 255.255.255.0;
  option routers 172.30.1.1;
  option broadcast-address 172.30.1.255;
  default-lease-time 3600;
  max-lease-time 7200;
#
pool {
  range 172.30.1.30 172.30.1.150;
  deny unknown-clients;
}
#
pool {
  range 172.30.1.151 172.30.1.254;
  allow unknown-clients;
}
#
}
#
host WEBSERVER {
  hardware ethernet 00:0c:76:8b:c4:16;
  fixed-address 172.30.1.5;
  option domain-name-servers 8.8.8.8;
  option routers 10.0.0.1;
}
#
host PRINTER {
  hardware ethernet e8:04:62:90:07:62;
  fixed-address 172.30.1.7;
```

Entrega una captura del terminal amb la renovació i la IP adquirida.

```
Tue Sep 24 12:45:12 pujolu@PC1:~$ sudo dhclient -4
Tue Sep 24 12:45:45 pujolu@PC1:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 100
0
    link/ether 08:00:27:2a:ad:8f brd ff:ff:ff:ff:ff:ff
    inet 172.30.1.30/24 brd 172.30.1.255 scope global dynamic enp0s3
       valid_lft 3597sec preferred_lft 3597sec
    inet6 fe80::a00:27ff:fe2a:ad8f/64 scope link
       valid_lft forever preferred_lft forever
```

Realitza i entrega una captura del terminal amb la renovació i la IP adquirida.

```
Tue Sep 24 12:03:55 pujolu@PC1:~$ sudo dhclient -4
[sudo] password for pujolu:
Tue Sep 24 12:04:40 pujolu@PC1:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 100
0
    link/ether 08:00:27:2a:ad:8f brd ff:ff:ff:ff:ff:ff
    inet 172.30.1.32/24 brd 172.30.1.255 scope global dynamic enp0s3
       valid_lft 3598sec preferred_lft 3598sec
    inet6 fe80::a00:27ff:fe2a:ad8f/64 scope link
       valid_lft forever preferred_lft forever
Tue Sep 24 12:04:42 pujolu@PC1:~$
```