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Copiar la estructura de sota, tantes vegades com sigui necessari

Entrega una captura d'executar `sudo cat /etc/bind/named.conf.local`

```
dt. d'oct. 22 07:46:37 romeror@hades:~$ sudo cat /etc/bind/named.conf.local
//
// Do any local configuration here
//

// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";

zone "ecotech.lan" IN {
type master;
file "/etc/bind/db.ecotech.lan";
allow-transfer { none; };
};
dt. d'oct. 22 07:46:53 romeror@hades:~$
```


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Entrega una captura d'executar **sudo cat /etc/bind/named.conf.local**

```
dt. d'oct. 22 07:51:53 romeror@hades:~$ sudo cat /etc/bind/named.conf.local
//
// Do any local configuration here
//
// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";


zone "ecotech.lan" IN {
type master;
file "/etc/bind/db.ecotech.lan";
allow-transfer { none; };
};

zone "informatica.ecotech.lan" IN {
type master;
file "/etc/bind/db.informatica.ecotech.lan";
allow-transfer { none; };
};
dt. d'oct. 22 07:51:59 romeror@hades:~$
```

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Entrega una captura d'executar `sudo cat /etc/bind/db.informatica.ecotech.lan`

```
dt. d'oct. 22 08:12:36 romerox@hades:/etc/bind$ sudo cat /etc/bind/db.informatica.ecotech.lan
;
; BIND data file for local loopback interface
;
$TTL      604800
@         IN      SOA      ecotech.lan. root.ecotech.lan. (
                        2          ; Serial
                        604800     ; Refresh
                        86400      ; Retry
                        2419200    ; Expire
                        604800 )   ; Negative Cache TTL
;
@         IN      NS       hades
hades     IN      A        172.30.1.2
atena     IN      A        172.30.1.3
hermes    IN      A        172.30.1.5
hera      IN      A        172.30.1.6
dionis    IN      A        172.30.1.7
odin      IN      A        172.30.1.8
frigg     IN      A        172.30.1.9
baldr     IN      A        172.30.1.10
ftp       IN      CNAME    hermes.zulema.romero.lan.
www       IN      CNAME    hera.zulema.romero.lan.
nsl       IN      CNAME    hades.zulema.romero.lan.
@         IN      MX       10      dionis.zulema.romero.lan.
dt. d'oct. 22 08:12:44 romerox@hades:/etc/bind$ _
```

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Entrega una captura demostrant que el servidor DNS a Hades funciona perfectament


```
dt. d'oct. 22 08:15:33 romeror@hades:/etc/bind$ nslookup hades.ecotech.lan localhost
Server:      localhost
Address:     127.0.0.1#53

Name:   hades.ecotech.lan
Address: 172.30.1.2

dt. d'oct. 22 08:15:38 romeror@hades:/etc/bind$ nslookup odin.informatica.ecotech.lan localhost
Server:      localhost
Address:     127.0.0.1#53

Name:   odin.informatica.ecotech.lan
Address: 172.30.1.8

dt. d'oct. 22 08:15:48 romeror@hades:/etc/bind$
```

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Entrega una captura d'executar `sudo cat /etc/dhcp/dhcpd.conf`


```
dt. d'oct. 22 08:24:15 romerox@hades:/$ 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 172.30.1.20 172.30.1.250;
    option domain-name-servers 172.30.1.2;
    option domain-name "zulema.romero.test";
    option subnet-mask 255.255.255.0;
    option routers 172.30.1.1;
    option broadcast-address 172.30.1.255;
    default-lease-time 600;
    max-lease-time 7200;
}

dt. d'oct. 22 08:24:24 romerox@hades:/$
```

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Entrega una captura d'executar al client `sudo ip a`


```
mar oct 22 12:46:32 zulema@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 1000
    link/ether 08:00:27:cf:19:a6 brd ff:ff:ff:ff:ff:ff
    inet 172.30.1.20/24 metric 100 brd 172.30.1.255 scope global dynamic enp0s3
        valid_lft 382sec preferred_lft 382sec
    inet6 fe80::a00:27ff:febf:19a6/64 scope link
        valid_lft forever preferred_lft forever
mar oct 22 12:46:47 zulema@PC1:~$
```

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Entrega una captura d'executar al client `sudo resolvectl status`

```
mar oct 22 12:46:47 zulema@PC1:~$ sudo resolvectl status
Global
  Protocols: -LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
  resolv.conf mode: foreign
  DNS Domain: ~.

Link 2 (enp0s3)
  Current Scopes: DNS
  Protocols: +DefaultRoute +LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
Current DNS Server: 172.30.1.2
DNS Servers: 172.30.1.2
DNS Domain: zulema.romero.test
```

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Entrega els diferents nslookups (per a totes les màquines creades al DNS) des del client.

```

mar oct 22 12:47:36 zulema@PC1:~$ nslookup odin.informatica.ecotech.lan
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   odin.informatica.ecotech.lan
Address: 172.30.1.8

mar oct 22 12:48:19 zulema@PC1:~$ nslookup frigg.informatica.ecotech.lan
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   frigg.informatica.ecotech.lan
Address: 172.30.1.9

mar oct 22 12:48:26 zulema@PC1:~$ nslookup baldr.informatica.ecotech.lan
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   baldr.informatica.ecotech.lan
Address: 172.30.1.10

mar oct 22 12:48:33 zulema@PC1:~$ _

```

```

mar oct 22 12:50:14 zulema@PC1:~$ nslookup hermes.ecotech.lan
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   hermes.ecotech.lan
Address: 172.30.1.5

mar oct 22 12:50:54 zulema@PC1:~$ nslookup atena.ecotech.lan
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   atena.ecotech.lan
Address: 172.30.1.3

mar oct 22 12:51:02 zulema@PC1:~$ nslookup hades.ecotech.lan
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   hades.ecotech.lan
Address: 172.30.1.2

mar oct 22 12:51:12 zulema@PC1:~$

```