DNS

linux, tcpip, dns

related

- DNS y funcionamiento
- DNS: Resolución, progagación, limpieza
- dnsmasq
- bind9
- 127.0.0.1 VS 127.0.1.1
- https://www.dns0.eu/
- https://one.one.one.one/

direct

- esbrinar qui gestiona les dades de xarxa (netplan)
- aplicar els canvis (networkmanager en desktops)

DNS populars

- Cloudflare DNS (1.1.1.1, 1.0.0.1)
- OpenDNS (208.67.222.222, 208.67.220.220)
- Google Public DNS (8.8.8.8, 8.8.4.4)

configuració DNS

- interficie de xarxa:

```
ip a
ifconfig -a
```

search

Search domain means the domain that will be automatically appended when you only use the hostname for a particular host or computer. This is basically used in a local network.

/etc/network/interfaces

```
dns-search xyz.com ##If you put this into /etc/network/interfaces<code>
<code properties>search xyz.com ##If you put this into
/etc/resolvconf/resolv.conf.d/base|head|tail
```

```
host test
test.xyz.com has address 192.168.1.5
```

```
nslookup test
```

```
Server:     192.168.1.11
Address:    192.168.1.11#53

Name:   test.xyz.com
Address: 192.168.1.5
```

/via: https://askubuntu.com/questions/584054/how-do-i-configure-the-search-domain-correctly

resolv.conf

- `/etc/resolv.conf` es symlink de fichero generado dinámicamente
- `/etc/resolvconf/resolv.conf.d/head` añade al principio de `/etc/resolv.conf`
- se gestiona a través de **systemd-resolved → /etc/systemd/resolved.conf**

- /etc/systemctl/resolved.conf
- /etc/resolv.conf
  - no recomanat, sobreescrit per NetworkManager
  - ```
    nameserver 8.8.8.8
    nameserver 8.8.4.4
    ```

- /etc/hosts:

```
78.47.249.138 wiki.fidmag.org
```

- ```
  resolvectl status
  ```

- llistat DNS:

```
resolvectl --list
```

- actualitzar canvis pendents:

```
resolvectl --enable-updates
```

- interficie responent:

```
resolvectl -i
```

- update files:

```
resolvectl -u
```

netplan (servers)

- identificar el netplan fet servir:

```
cat /etc/netplan/01-network-manager-all.yaml
```

- NetworkManager

```
# Let NetworkManager manage all devices on this system
network:
```

```
  version: 2
  renderer: NetworkManager
```

- DHCP

```
network:
  version: 2
  ethernets:
    eth0:
      dhcp4: true
      nameservers:
        addresses: [8.8.8.8, 8.8.4.4]
```

- IP-fija

```
network:
  version: 2
  ethernets:
    eth0:
      dhcp4: false
      addresses: [192.168.1.10/24]
      gateway4: 192.168.1.1
      nameservers:
        addresses:[208.67.222.222, 208.67.220.220]
```

- aplicar:

```
sudo netplan apply
sudo netplan generate # si problemas y repetir apply
```

NetworkManager

- Interfície gràfica
- després d'aplicar canvis, reiniciar o:

```
sudo systemctl restart NetworkManager
```

nmcli

- `nmcli`
- `nmcli connection show`
- `nmcli device show eno1`

comandos (OLD)

- NO:

```
systemctl status systemd-resolved.service
```

- clear DNS debian:

```
sudo systemd-resolve --flush-caches
```

- full config?:

```
systemd-analyze cat-config systemd/resolved.conf
```

From:
https://matebcn.eu/ - **miguel angel torres egea**

Permanent link:
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