Copiar la estructura de sota, tantes vegades com sigui necessari

Entrega una captura executant ip a **que mostri el prompt personalitzat**

```
DNS Servers: 8.8.8.8 8.8.4.4
dt. de gen. 28 08:49:34 romerox@SYN:~$ 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 08:00:27:95:64:12 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 metric 100 brd 10.0.2.255 scope global dynamic enp0s3
       valid_lft 86251sec preferred_lft 86251sec
    inet6 fe80::a00:27ff:fe95:6412/64 scope link
       valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 100
0
    link/ether 08:00:27:a0:92:07 brd ff:ff:ff:ff:ff:ff
    inet 172.30.1.8/24 brd 172.30.1.255 scope global enp0s8
       valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fea0:9207/64 scope link
       valid_lft forever preferred_lft forever
dt. de gen. 28 08:50:46 romerox@SYN:~$
```

## Entrega una captura executant sudo resolvectl status **que mostri el dns configurat**

```
dt. de gen. 28 08:50:46 romerox@SYN:~$ sudo resolvectl status
Global
       Protocols: -LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
resolv.conf mode: stub

Link 2 (enp0s3)
    Current Scopes: DNS
         Protocols: +DefaultRoute +LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
Current DNS Server: 10.0.2.3
        DNS Servers: 10.0.2.3

Link 3 (enp0s8)
    Current Scopes: DNS
         Protocols: +DefaultRoute +LLMNR -mDNS -DNSOverTLS DNSSEC=no/unsupported
Current DNS Server: 8.8.8.8
        DNS Servers: 8.8.8.8 8.8.4.4
dt. de gen. 28 08:51:11 romerox@SYN:~$ _
```

## Realitza i entrega una captura on es vegi que la característica està activada

```
dt. de gen. 28 08:53:47 romerox@SYN:~$ sysctl net.ipv4.ip_forward
net.ipv4.ip_forward = 1
dt. de gen. 28 08:54:04 romerox@SYN:~$ _
```

## Realitza i entrega una captura de la regla del firewall (executant la comanda anterior)

```
dt. de gen. 28 08:55:53 romerox@SYN:~$ sudo iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target     prot opt source               destination

Chain INPUT (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination

Chain POSTROUTING (policy ACCEPT)
target     prot opt source               destination
MASQUERADE  all  --  anywhere             anywhere
dt. de gen. 28 08:56:08 romerox@SYN:~$ _
```

Realitza i entrega una captura on es vegi que el client pot fer ping al 8.8.8.8

```
mar ene 28 09:11:17 zulema@PC2:~$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=61 time=153 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=61 time=139 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=61 time=511 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=61 time=374 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=61 time=311 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=61 time=387 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=61 time=238 ms
```

Realitza i entrega una captura on es vegi que el client pot fer ping a www.google.es

```
mar ene 28 09:11:44 zulema@PC2:~$ ping www.google.es
PING www.google.es (142.250.178.163) 56(84) bytes of data.
64 bytes from mad41s08-in-f3.1e100.net (142.250.178.163): icmp_seq=1 ttl=61 time=29.5 ms
64 bytes from mad41s08-in-f3.1e100.net (142.250.178.163): icmp_seq=2 ttl=61 time=40.0 ms
64 bytes from mad41s08-in-f3.1e100.net (142.250.178.163): icmp_seq=3 ttl=61 time=212 ms
64 bytes from mad41s08-in-f3.1e100.net (142.250.178.163): icmp_seq=4 ttl=61 time=439 ms
64 bytes from mad41s08-in-f3.1e100.net (142.250.178.163): icmp_seq=5 ttl=61 time=22.7 ms
^C
--- www.google.es ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 3997ms
rtt min/avg/max/mdev = 22.656/148.569/438.870/161.296 ms
mar ene 28 09:12:09 zulema@PC2:~$ _
```

Realitza i entrega una captura on es vegi la configuració de lynx

```
Archivo   Máquina   Ver   Entrada   Dispositivos   Ayuda
  GNU nano 6.2                        /etc/lynx/lynx.cfg
.h1 Proxy

.h2 HTTP_PROXY
.h2 HTTPS_PROXY
.h2 FTP_PROXY
.h2 GOPHER_PROXY
.h2 NEWSPOST_PROXY
.h2 NEWSREPLY_PROXY
.h2 NEWS_PROXY
.h2 NNTP_PROXY
.h2 SNEWSPOST_PROXY
.h2 SNEWSREPLY_PROXY
.h2 SNEWS_PROXY
.h2 WAIS_PROXY
.h2 FINGER_PROXY
.h2 CSO_PROXY
# Lynx version 2.2 and beyond supports the use of proxy servers that can act as
# firewall gateways and caching servers.  They are preferable to the older
# gateway servers.  Each protocol used by Lynx can be mapped separately using
# PROTOCOL_proxy environment variables (see Lynx Users Guide).  If you have not set
# them externally, you can set them at run time via this configuration file.
# They will not override external settings.  The no_proxy variable can be used
# to inhibit proxying to selected regions of the Web (see below).  Note that on
# VMS these proxy variables are set as process logicals rather than symbols, to
# preserve lowercasing, and will outlive the Lynx image.
#
.ex 15
http_proxy:http://172.30.1.8:3128/
https_proxy:http://172.30.1.8:3128/
#ftp_proxy:http://some.server.dom:port/
#gopher_proxy:http://some.server.dom:port/
#news_proxy:http://some.server.dom:port/
#newspost_proxy:http://some.server.dom:port/


mar ene 28 09:20:48 zulema@PC2:~$ _
```

Realitza i entrega una captura on es vegi l'Squid escoltant al port 3128

```
dt. de gen. 28 09:23:22 romerox@SYN:~$ sudo netstat -tlpn
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address          Foreign Address        State      PID/Program name
tcp       0      0 127.0.0.53:53           0.0.0.0:*              LISTEN     628/systemd-resolve
tcp       0      0 0.0.0.0:22              0.0.0.0:*              LISTEN     696/sshd: /usr/sbin
tcp6      0      0 :::22                   :::*                  LISTEN     696/sshd: /usr/sbin
tcp6      0      0 :::3128                 :::*                  LISTEN     1788/(squid-1)
dt. de gen. 28 09:23:24 romerox@SYN:~$
```

Realitza i entrega una captura on es vegi com la pàgina està prohibida

```
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
                                          ERROR: The requested URL could not be retrieved
ERROR

The requested URL could not be retrieved

    --------------------------------------------------------------------------------

    The following error was encountered while trying to retrieve the URL: http://facebook.com/

       Access Denied.

    Access control configuration prevents your request from being allowed at this time. Please
    contact your service provider if you feel this is incorrect.

    Your cache administrator is webmaster.

    --------------------------------------------------------------------------------

    Generated Tue, 28 Jan 2025 09:28:46 GMT by SYN (squid/5.9)












Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.
  Arrow keys: Up and Down to move.  Right to follow a link; Left to go back.
 H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

Realitza i entrega una captura on es vegi com la pàgina es pot visitar