

Servidor Proxy con Squid

♦ Fase 1: Instalación y configuración base

```
sudo apt update
```

```
sudo apt install squid -y
```

```
sudo nano /etc/squid/squid.conf
```

```
http_port 3128
```

```
http_access allow localhost
```

```
http_access allow lan
```

```
acl lan src 192.168.1.0/24
```

```
access_log /var/log/squid/access.log
```

♦ Fase 2: Perfiles de navegación

```
sudo nano /etc/squid/squid.conf
```

```
acl desarrollo src 192.168.1.0/26
```

```
acl administracion src 192.168.1.64/26
```

```
acl marketing src 192.168.1.128/26
```

```
acl ocio dstdomain .facebook.com .tiktok.com .instagram.com
```

```
acl profesional dstdomain .linkedin.com .gov .edu
```

```
acl descanso time MTWHF 11:00-11:30
```

```
acl descanso_tarde time MTWHF 16:00-16:30
```

```
http_access deny desarrollo ocio
```

```
http_access allow administracion profesional
```

```
http_access allow marketing descanso
```

```
http_access allow marketing descanso_tarde
```

♦ Fase 3: Control de contenido

Listas bloqueadas

```
sudo nano /etc/squid/bloqueados.ext
```

.exe

.zip

.mp4

```
sudo nano /etc/squid/bloqueados.dom
```

.youtube.com

.netflix.com

.twitch.tv

En squid.conf

```
acl extensiones url_regex -i "/etc/squid/bloqueados.ext"
```

```
acl multimedia dstdomain "/etc/squid/bloqueados.dom"
```

```
acl whitelist dstdomain "/etc/squid/whitelist-admin.txt"
```

```
http_access deny extensiones
```

```
http_access deny multimedia
```

```
http_access allow administracion whitelist
```

♦ Fase 4: Gestión por IP y usuarios

IPs ya definidas en ACL por subred

```
sudo apt install apache2-utils -y
```

```
sudo htpasswd -c /etc/squid/passwd user1
```

```
auth_param basic program /usr/lib/squid/basic_ncsa_auth /etc/squid/passwd
```

```
acl usuarios proxy_auth REQUIRED
```

```
http_access allow usuarios
```

♦ Fase 5: Rendimiento y análisis

En squid.conf

```
cache_dir ufs /var/spool/squid 100 16 256
```

```
cache_mem 256 MB
```

```
maximum_object_size_in_memory 512 KB
```

Reiniciar

```
sudo systemctl restart squid
```

Logs de navegación

```
sudo tail -f /var/log/squid/access.log
```

Error común

```
tail -f /var/log/squid/cache.log
```