

Utilizando o SQUID - Bruno de Amorim Campos - 1712130009

Primeiramente, baixamos o squid e o instalamos com o comando

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

Logo em seguida, é necessário modificar o arquivo de configuração do Squid, que fica no caminho abaixo.

```
sudo vim /etc/squid/squid.conf
```

Onde altera-se as configurações para as seguintes:

```
# Porta cliente

http_port 3128

# Porta proxies

icp_port 3130

visible_hostname cache.rede.teste

# Cache

cache_mem 512 MB

cache_swap_low 75

cache_swap_high 97

maximum_object_size 900 MB

minimum_object_size 0 KB

maximum_object_size_in_memory 32 KB

# Logs

cache_dir ufs /var/spool/squid 1024 64 256

cache_access_log /var/log/squid/access.log

cache_log /var/log/squid/cache.log

cache_store_log none

logfile_rotate 10

#emulate_httpd_log on

# Opcoes FTP

ftp_user admin@rede.teste

ftp_passive on

# ACL

acl all src all

acl manager proto cache_object

acl localhost src 127.0.0.1/32
```

NORMAL /etc/squid/squid.conf ☹

```

acl all src all
acl manager proto cache_object
acl localhost src 127.0.0.1/32
acl to_localhost dst 127.0.0.0/8 0.0.0.0/32
acl SSL_ports port 443 563
acl Safe_ports port 80
acl Safe_ports port 21
acl Safe_ports port 443 563
acl Safe_ports port 70
acl Safe_ports port 210
acl Safe_ports port 1025-65535
acl Safe_ports port 280
acl Safe_ports port 488
acl Safe_ports port 591
acl Safe_ports port 777
acl CONNECT method manager
# Cache manager
http_access allow manager localhost
http_access deny manager
# Acesso Defaults
http_access deny !Safe_ports
http_access deny CONNECT !SSL_ports
# Regras de acesso
acl rede src 192.168.10.0/255.255.255.0
http_access allow rede
http_access deny all
MAL /etc/squid/squid.conf

```

Em seguida, altera-se as configurações de bloqueio do squid, onde irá se remover o “http_access deny all” e irá colocar as informações abaixo.

```

#impede acesso aos dominios listados
acl ban_domains dstdomain "/etc/squid/ban_domains.txt"
http_access deny ban_domains

acl blockfiles urlpath_regex -i "/etc/squid/blocks.files.acl"

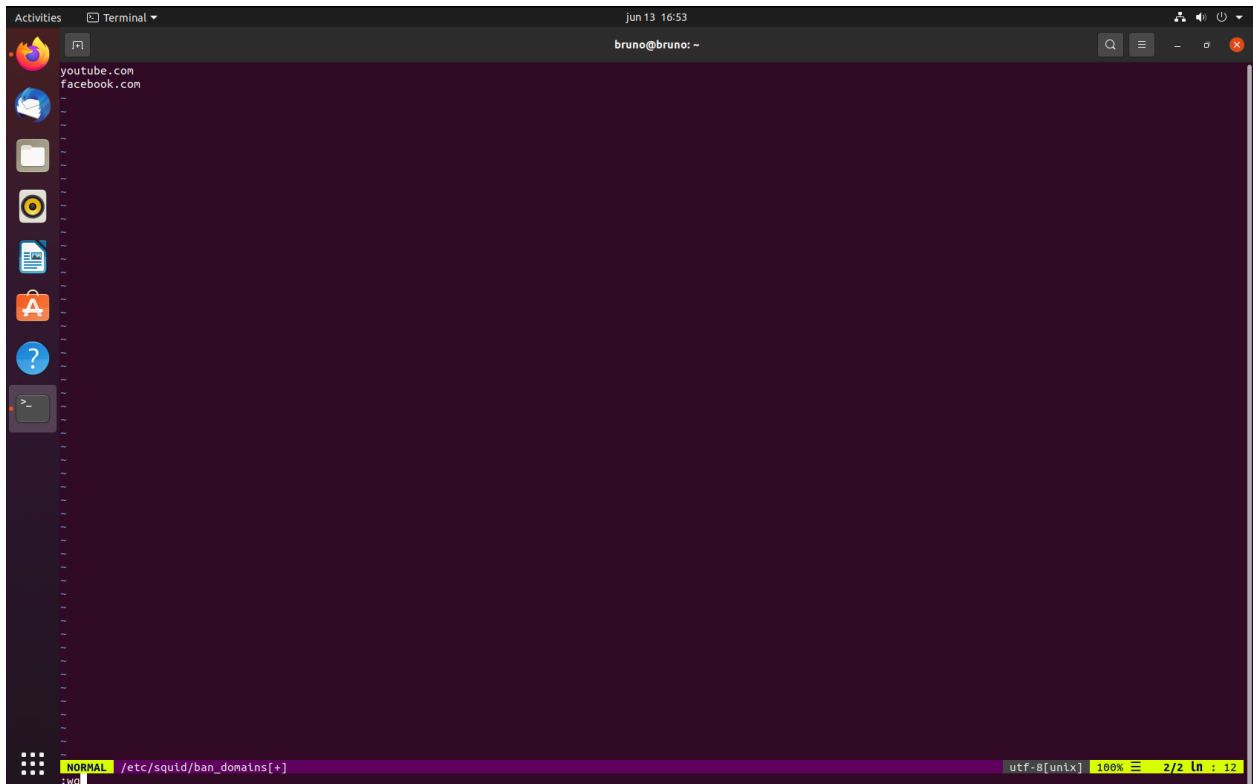
#Nega download do arquivo
error_directory /usr/share/squid/errors/English
deny_info ERR_BLOCKED_FILES blockfiles
http_access deny blockfiles

```

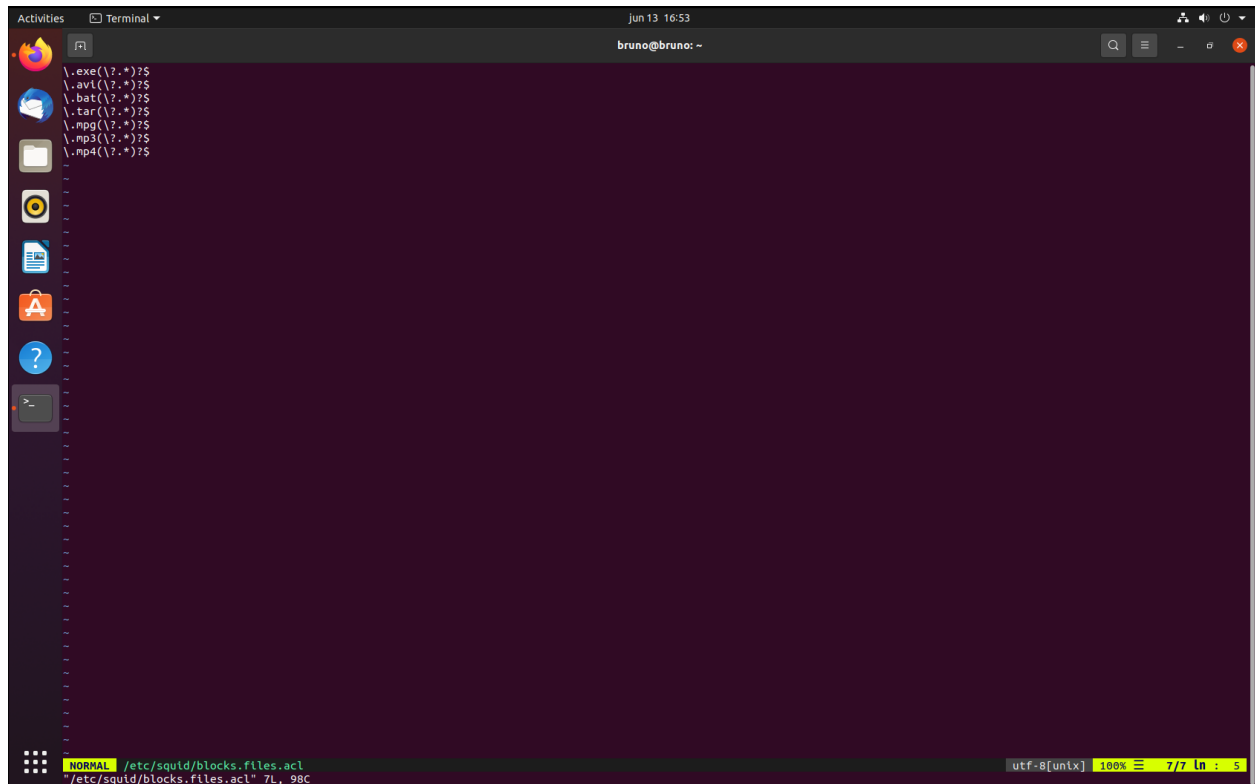
Após isso, é necessário para o serviço e mandar ele criar as pastas com o comando “squid -z”, onde depois será possível encontrá-las em:

```
bruno@bruno:~$ ls /var/spool/squid/
00 02 04 06 08 0A 0C 0E 10 12 14 16 18 1A 1C 1E 20 22 24 26 28 2A 2C 2E 30 32 34 36 38 3A 3C 3E netdb.state
01 03 05 07 09 0B 0D 0F 11 13 15 17 19 1B 1D 1F 21 23 25 27 29 2B 2D 2F 31 33 35 37 39 3B 3D 3F swap.state
bruno@bruno:~$
```

Cria-se então os documentos informados no fim do arquivo de configuração do Squid, em que se colocará os domínios e extensões para download bloqueados.



Domínio bloqueado



Extensões bloqueadas

Por fim, reinicia-se o squid e verifica-se o seu status

```
bruno@bruno:~$ systemctl restart squid
```

```

● squid.service - Squid Web Proxy Server
   Loaded: loaded (/lib/systemd/system/squid.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2021-06-13 15:57:58 -03; 6min ago
     Docs: man:squid(8)
  Process: 1418 ExecStartPre=/usr/sbin/squid --foreground -z (code=exited, status=0/SUCCESS)
  Process: 1460 ExecStart=/usr/sbin/squid -sYC (code=exited, status=0/SUCCESS)
 Main PID: 1461 (squid)
    Tasks: 4 (limit: 4652)
   Memory: 47.9M
   CGroup: /system.slice/squid.service
           └─1461 /usr/sbin/squid -sYC
             └─1463 (squid-1) --kid squid-1 -sYC
               └─1465 (unlinkd)
                 └─1466 (pinger)

jun 13 15:57:59 bruno squid[1463]:      0 Objects expired.
jun 13 15:57:59 bruno squid[1463]:      0 Objects cancelled.
jun 13 15:57:59 bruno squid[1463]:      0 Duplicate URLs purged.
jun 13 15:57:59 bruno squid[1463]:      0 Swapfile clashes avoided.
jun 13 15:57:59 bruno squid[1463]: Took 0.07 seconds ( 0.00 objects/sec).
jun 13 15:57:59 bruno squid[1463]: Beginning Validation Procedure
jun 13 15:57:59 bruno squid[1463]: Completed Validation Procedure
jun 13 15:57:59 bruno squid[1463]: Validated 0 Entries
jun 13 15:57:59 bruno squid[1463]: store_swap_size = 0.00 KB
jun 13 15:58:00 bruno squid[1463]: storeLateRelease: released 0 objects
~
~
~

```

Com isso, você possui um proxy squid devidamente funcionando.