



Teste 3 - Proxy Squid em Windows

Configure no browser do cliente o proxy. Esta configuração terá de ser por IP e use o porto por defeito 3128

Altere na configuração do squid porto de 3128 para 8080

Crie uma nova regra chamada "face" que bloqueie o acesso ao Facebook

Crie uma nova regra chamada "externo" que vai ler a um ficheiro (bloq.txt) que está em c:\squid\var\bloqueados. Utilizando esse ficheiro, bloqueie o acesso ao youtube

Crie uma nova regra chamada "palavras" que vai ler a um ficheiro (bloq1.txt) que está em c:\squid\var\bloqueados. Utilizando esse ficheiro, bloqueie o acesso a todos os sites que tenham a palavra soccer no seu URL

Analisar os ficheiros de log do squid

Páginas de erro do squid

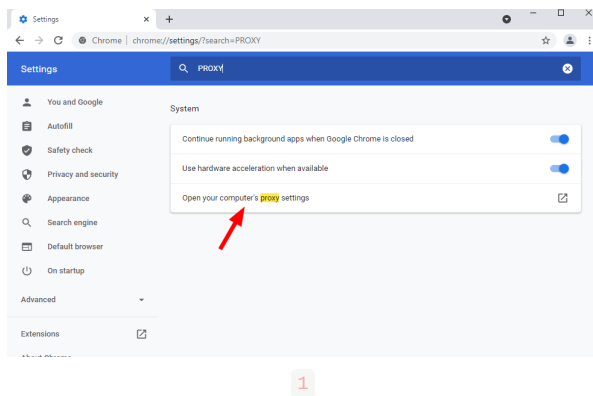
Converter as mensagens de erro do Squid para tuga

Mostrar erro de compilação do Squid do terminal

Verificar a Versão do Squid pelo terminal

Ativar a função de cache do Squid

**Configure no browser do cliente o proxy.
Esta configuração terá de ser por IP e use o
porto por defeito 3128**



Proxy

settings don't apply to VPN connections.

Use a proxy server

☒ On

Address

192.168.19.1

Port

3128

Use the proxy server except for addresses that start with the following entries. Use semicolons (;) to separate entries.

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Altere na configuração do squiddo porto de 3128 para 8080

```
squid.conf - Notepad
File Edit Format View Help

#
# INSERT YOUR OWN RULE(S) HERE TO ALLOW ACCESS FROM YOUR CLIENTS
#

# Example rule allowing access from your local networks.
# Adapt localnet in the ACL section to list your (internal) IP networks
# from where browsing should be allowed
http_access allow localnet
http_access allow localhost

# And finally deny all other access to this proxy
http_access deny all

# Squid normally listens to port 3128
http_port 3128

# Uncomment the line below to enable disk caching - path format is /cygdrive/<full path to cache folder>, i.e.
#cache_dir aufs /cygdrive/d/squid/cache 3000 16 256

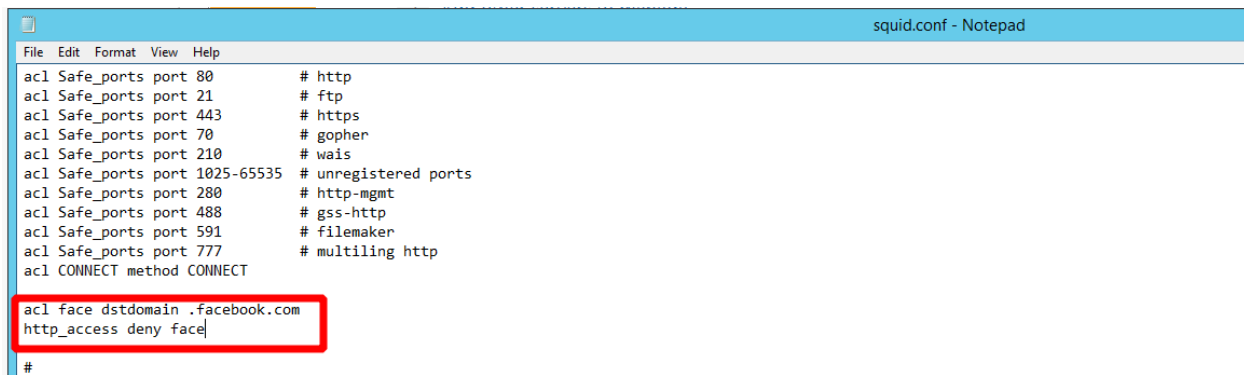
# Leave core dumps in the first cache dir
coredump_dir /var/cache/squid

# Add any of your own refresh_pattern entries above these.
refresh_pattern ^ftp:      1440 20% 10080
refresh_pattern ^gopher:  1440 0% 1440
refresh_pattern -i (/cgi-bin/|\?) 0 0% 0
refresh_pattern .          0 20% 4320

dns_nameservers 8.8.8.8 208.67.222.222

max_filedescriptors 3200
```

Crie uma nova regra chamada "face" que bloquei o acesso ao Facebook

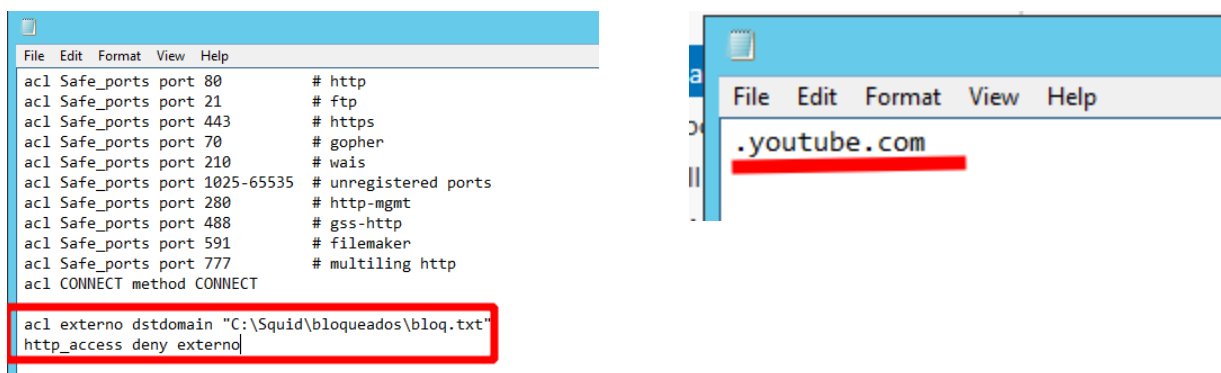


```
squid.conf - Notepad
File Edit Format View Help
acl Safe_ports port 80      # http
acl Safe_ports port 21      # ftp
acl Safe_ports port 443     # https
acl Safe_ports port 70      # gopher
acl Safe_ports port 210     # waais
acl Safe_ports port 1025-65535 # unregistered ports
acl Safe_ports port 280     # http-mgmt
acl Safe_ports port 488     # gss-http
acl Safe_ports port 591     # filemaker
acl Safe_ports port 777     # multiling http
acl CONNECT method CONNECT

acl face dstdomain .facebook.com
http_access deny face

#
```

Crie uma nova regra chamada "externo" que vai ler a um ficheiro (bloq.txt) que está em c:\squid\var\bloqueados. Utilizando esse ficheiro, bloqueei o acesso ao youtube



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File Edit Format View Help
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acl Safe_ports port 21      # ftp
acl Safe_ports port 443     # https
acl Safe_ports port 70      # gopher
acl Safe_ports port 210     # waais
acl Safe_ports port 1025-65535 # unregistered ports
acl Safe_ports port 280     # http-mgmt
acl Safe_ports port 488     # gss-http
acl Safe_ports port 591     # filemaker
acl Safe_ports port 777     # multiling http
acl CONNECT method CONNECT

acl externo dstdomain "C:\Squid\bloqueados\bloq.txt"
http_access deny externo
```

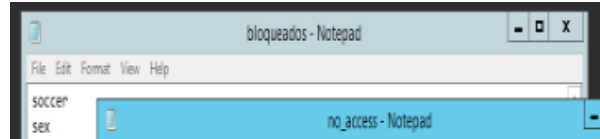
.youtube.com

Crie uma nova regra chamada "palavras" que vai ler a um ficheiro (bloq1.txt) que está em c:\squid\var\bloqueados. Utilizando esse ficheiro, bloqueei o acesso a todos os sites que tenham a palavra soccer no seu URL

ACL CORRECT METHOD CORRECT

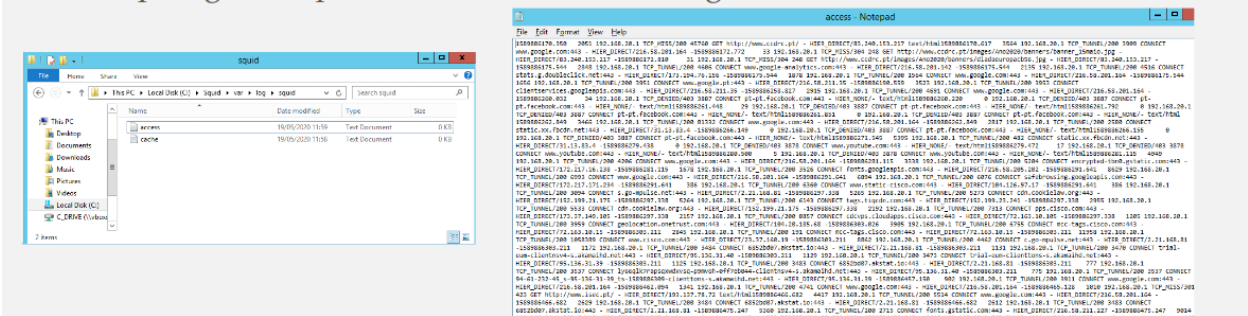
```
acl palavras dstdomain "C:\Squid\bloqueados\bloqPalavras.txt"
http_access deny palavras

#
# Recommended minimum Access Permission configuration:
..
```



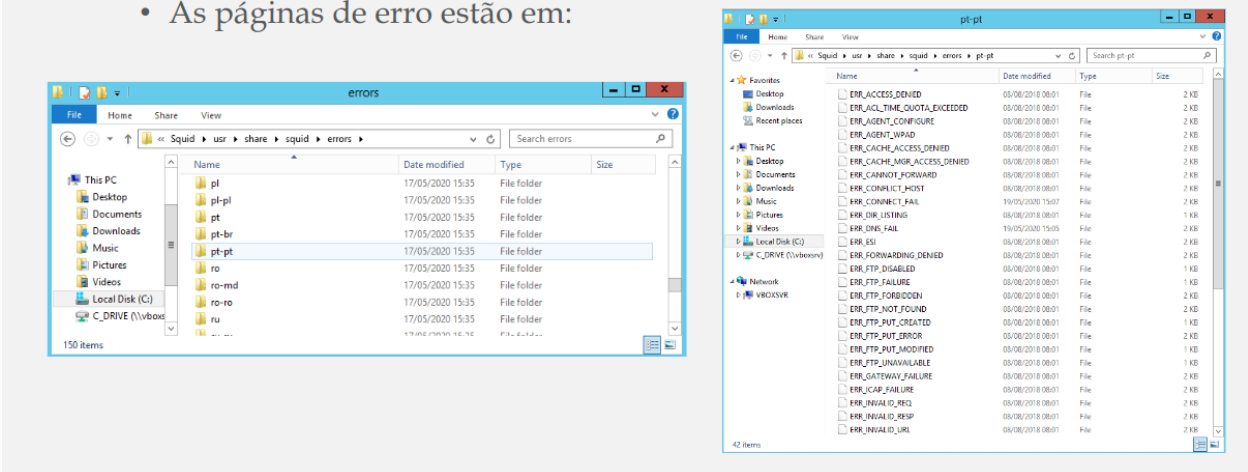
Analisar os ficheiros de log do squid

- O Squid guarda por defeito o ficheiro de logs em:



Páginas de erro do squid

- As páginas de erro estão em:



- ERR_DNS_FAIL** é o ficheiro onde se muda a mensagem de erro do cliente

Converter as mensagens de erro do Squid para tuga

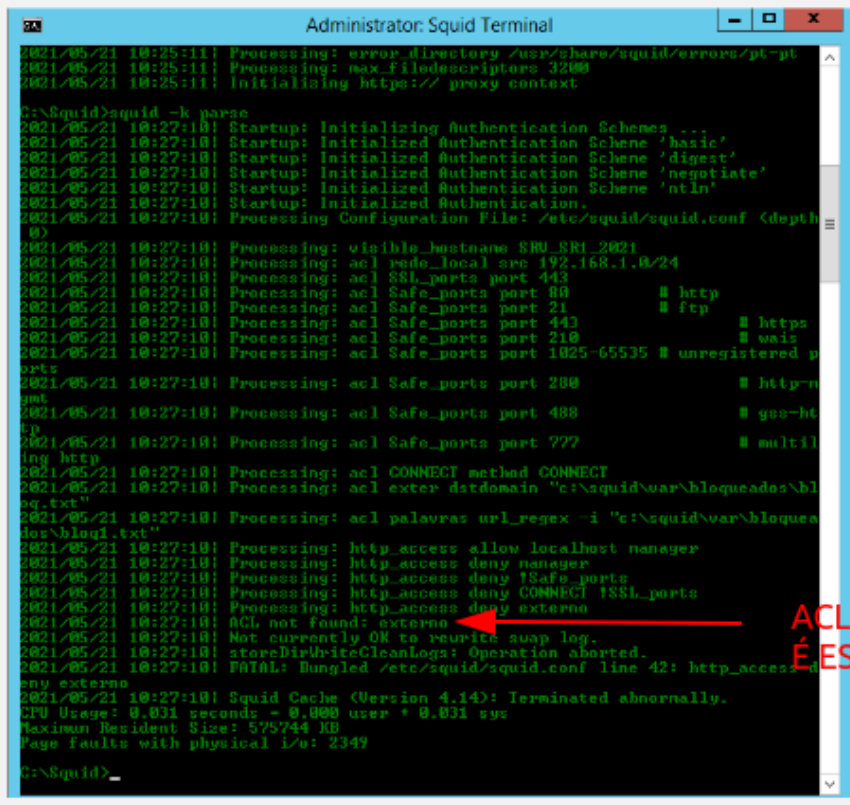
- Configurações adicionais:

```
# Ficheiro de configuração aula 10  
  
#Mostra o nome do servidor  
  
visible_hostname SRV_SR1
```

```
#Servidores de DNS  
  
dns_nameservers 8.8.8.8 1.1.1.1  
  
#Converte as mensagens de erro para Português  
error_directory /usr/share/squid/errors/pt-pt
```



Mostrar erro de compilação do Squid do terminal



The screenshot shows the 'Administrator: Squid Terminal' window. The terminal output displays the startup sequence of Squid, including processing of configuration files and ACLs. A red arrow points to the error message 'ACL not found: externo' in the log. To the right of the terminal window, there is a black rectangular area with the text 'ACL NOT FOUND É ESSE O ERRO' in red.

```
Administrator: Squid Terminal
2021/05/21 10:25:11: Processing: error_directory /usr/share/squid/errors/pt-pt
2021/05/21 10:25:11: Processing: max_filedescriptors 32000
2021/05/21 10:25:11: Initializing http:// proxy context
C:\Squid>squid -k parse
2021/05/21 10:27:10: Startup: Initializing Authentication Schemes ...
2021/05/21 10:27:10: Startup: Initialized Authentication Scheme 'basic'
2021/05/21 10:27:10: Startup: Initialized Authentication Scheme 'digest'
2021/05/21 10:27:10: Startup: Initialized Authentication Scheme 'negotiate'
2021/05/21 10:27:10: Startup: Initialized Authentication Scheme 'ntlm'
2021/05/21 10:27:10: Startup: Initialized Authentication
2021/05/21 10:27:10: Processing Configuration File: /etc/squid/squid.conf (depth
0)
2021/05/21 10:27:10: Processing: visible_hostname SRV_SRI_2021
2021/05/21 10:27:10: Processing: acl_rude_local src 192.168.1.0/24
2021/05/21 10:27:10: Processing: acl SSL_ports port 443
2021/05/21 10:27:10: Processing: acl Safe_ports port 80 # http
2021/05/21 10:27:10: Processing: acl Safe_ports port 21 # ftp
2021/05/21 10:27:10: Processing: acl Safe_ports port 443 # https
2021/05/21 10:27:10: Processing: acl Safe_ports port 210 # wais
2021/05/21 10:27:10: Processing: acl Safe_ports port 1025-65535 # unregistered p
rts
2021/05/21 10:27:10: Processing: acl Safe_ports port 280 # http-n
2021/05/21 10:27:10: Processing: acl Safe_ports port 488 # gss-ht
2021/05/21 10:27:10: Processing: acl Safe_ports port 777 # multil
ing http
2021/05/21 10:27:10: Processing: acl CONNECT method CONNECT
2021/05/21 10:27:10: Processing: acl exter dstdomain "c:\squid\var\bloqueados\bl
eq.txt"
2021/05/21 10:27:10: Processing: acl palavras url_regex -i "c:\squid\var\bloquea
dos\bluql.txt"
2021/05/21 10:27:10: Processing: http_access allow localhost manager
2021/05/21 10:27:10: Processing: http_access deny manager
2021/05/21 10:27:10: Processing: http_access deny !Safe_ports
2021/05/21 10:27:10: Processing: http_access deny CONNECT !SSL_ports
2021/05/21 10:27:10: Processing: http_access deny externo
2021/05/21 10:27:10: ACL not found: externo
2021/05/21 10:27:10: Not currently OK to recompile swap log.
2021/05/21 10:27:10: atexitDirWriteCleanLogs: Operation aborted.
2021/05/21 10:27:10: FATAL: Bungled /etc/squid/squid.conf line 42: http_access d
eny externo
2021/05/21 10:27:10: Squid Cache (Version 4.14): Terminated abnormally.
CPU Usage: 0.031 seconds = 0.000 user + 0.031 sys
Maximum Resident Size: 575744 KB
Page Faults with physical I/O: 2349
C:\Squid>
```

ACL NOT FOUND
É ESSE O ERRO

Verificar a Versão do Squid pelo terminal

- `squid -v`

Ativar a função de cache do Squid

- ir ao squid.conf ... `cache_dir aufs /var/cache/<pasta> <tamanho em disco> <nr de diretorias> <nr de subdiretorias>` e depois `squid -k parse` na janela de terminal para ver se ha erros e depois deve correr o comando `squid -z` para que o programa crie na diretorio definida para a cache as diretorias de swap

Pode validar no ficheiro de logs a criação destas diretorias.

[illegible]