

Linux

Ubuntu Server 14.04 LTS

Configuração do Proxy Manual no Ubuntu Server

Professor:

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1 1-Configuração do Proxy Manual no Servidor Linux

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# apt-get update_
```



1.1- Configuração do servidor Proxy Manual

```
Hit http://br.archive.ubuntu.com trusty/universe Sources
Hit http://br.archive.ubuntu.com trusty/multiverse Sources
Hit http://br.archive.ubuntu.com trusty/main amd64 Packages
Hit http://br.archive.ubuntu.com trusty/restricted amd64 Packages
Hit http://br.archive.ubuntu.com trusty/universe amd64 Packages
Hit http://br.archive.ubuntu.com trusty/multiverse amd64 Packages
Hit http://br.archive.ubuntu.com trusty/main i386 Packages
Hit http://br.archive.ubuntu.com trusty/restricted i386 Packages
Hit http://br.archive.ubuntu.com trusty/universe i386 Packages
Hit http://br.archive.ubuntu.com trusty/multiverse i386 Packages
Hit http://br.archive.ubuntu.com trusty/main Translation-en
Hit http://br.archive.ubuntu.com trusty/multiverse Translation-en
Get:30 http://security.ubuntu.com trusty-security/multiverse i386 Packages [5,178 B]
Get:31 http://security.ubuntu.com trusty-security/main Translation-en [287 kB]
Hit http://br.archive.ubuntu.com trusty/restricted Translation-en
Hit http://br.archive.ubuntu.com trusty/universe Translation-en
Get:32 http://security.ubuntu.com trusty-security/multiverse Translation-en [2,570 B]
Get:33 http://security.ubuntu.com trusty-security/restricted Translation-en [3,206 B]
Get:34 http://security.ubuntu.com trusty-security/universe Translation-en [80.8 kB]
Ign http://br.archive.ubuntu.com trusty/main Translation-en_US
Ign http://br.archive.ubuntu.com trusty/multiverse Translation-en_US
Ign http://br.archive.ubuntu.com trusty/restricted Translation-en_US
Ign http://br.archive.ubuntu.com trusty/universe Translation-en_US
Fetched 5,726 kB in 33s (173 kB/s)
Reading package lists... Done
root@ubuntu:/home/ubuntu#
```

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# apt-get install squid3
```

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# apt-get install squid3
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  libcap2 libltdl7 libmnl0 libnetfilter-conntrack3 squid-langpack
  squid3-common ssl-cert
Suggested packages:
  squidclient squid-cgi squid-purge smbclient winbindd openssl-blacklist
The following NEW packages will be installed:
  libcap2 libltdl7 libmnl0 libnetfilter-conntrack3 squid-langpack squid3
  squid3-common ssl-cert
0 upgraded, 8 newly installed, 0 to remove and 86 not upgraded.
Need to get 2,396 kB of archives.
After this operation, 9,461 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y_
```

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# nano /etc/squid3/squid.conf
```



1.1- Configuração do servidor Proxy Manual

```
GNU nano 2.2.6      File: /etc/squid3/squid.conf

#      WELCOME TO SQUID 3.3.8
#      -----
#
#      This is the documentation for the Squid configuration file.
#      This documentation can also be found online at:
#          http://www.squid-cache.org/Doc/config/
#
#      You may wish to look at the Squid home page and wiki for the
#      FAQ and other documentation:
#          http://www.squid-cache.org/
#          http://wiki.squid-cache.org/SquidFaq
#          http://wiki.squid-cache.org/ConfigExamples
#
#      This documentation shows what the defaults for various directives
#      happen to be.  If you don't need to change the default, you should
#      leave the line out of your squid.conf in most cases.
#
#      In some cases "none" refers to no default setting at all,
#      while in other cases it refers to the value of the option
#      - the comments for that keyword indicate if this is the case.
#
#      Configuration options can be included using the "include" directive.
#      Include takes a list of files to include. Quoting and wildcards are
#      supported.


[ Read 7162 lines ]
^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text   ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is   ^U Next Page  ^U UnCut Text^T To Spell
```


1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# rm _etc/squid3/squid.conf
```

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# nano /etc/squid3/squid.conf _
```



1.1- Configuração do servidor Proxy Manual

```
GNU nano 2.2.6      File: /etc/squid3/squid.conf

[ New File ]
^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text   ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is   ^U Next Page  ^U UnCut Text ^T To Spell
```

1.1- Configuração do servidor Proxy Manual

```
GNU nano 2.2.6      File: /etc/squid3/squid.conf      Modified
http_port 3128
visible_hostname ewerton
acl all src
http_access allow all

^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text  ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is   ^V Next Page  ^U UnCut Text ^T To Spell
```

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# squid3 -z_
```

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# squid3 -z
2016/08/31 08:33:29! Squid is already running! Process ID 1622
root@ubuntu:/home/ubuntu# _
```

1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# service squid3 restart
```



1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# service squid3 restart
squid3 stop/waiting
squid3 start/running, process 1709
root@ubuntu:/home/ubuntu# _
```


1.1- Configuração do servidor Proxy Manual

```
root@ubuntu:/home/ubuntu# nano /etc/rc.local_
```



1.1- Configuração do servidor Proxy Manual

```
root@ubuntu: /home/asoa
GNU nano 2.2.6                               File: /etc/rc.local

#!/bin/sh -e
#
# rc.local
#
# This script is executed at the end of each multiuser runlevel.
# Make sure that the script will "exit 0" on success or any other
# value on error.
#
# In order to enable or disable this script just change the execution
# bits.
#
# By default this script does nothing.

#Habilita o NAT
modprobe iptable_nat

#Faz o encaminhamento dos pacotes para compartilhamento
echo 1 > /proc/sys/net/ipv4/ip_forward

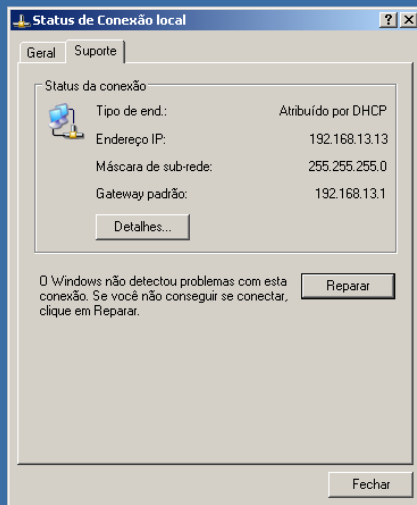
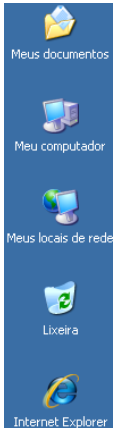
#Habilita a interface de Internet (eth0) para o compartilhamento
iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE

#Habilita navegacao nas maquinas clientes apenas com a configuracao do proxy ativado
iptables -t nat -A PREROUTING -i eth1 -p tcp --dport 80 -j DNAT --to-destination 192.168.13.1:3128

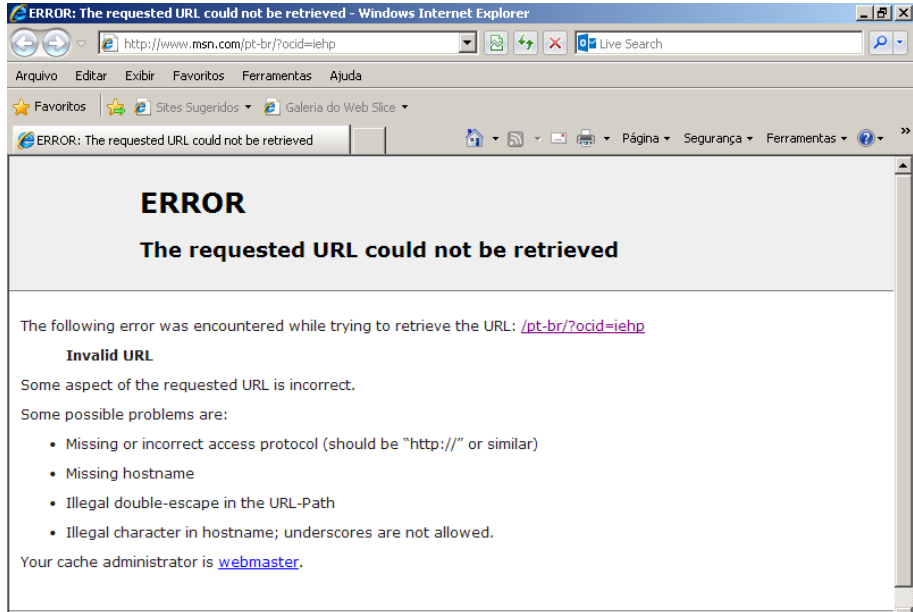
iptables -t nat -A PREROUTING -i eth1 -p tcp --dport 443 -j DNAT --to-destination 192.168.13.1:3128

exit 0
```

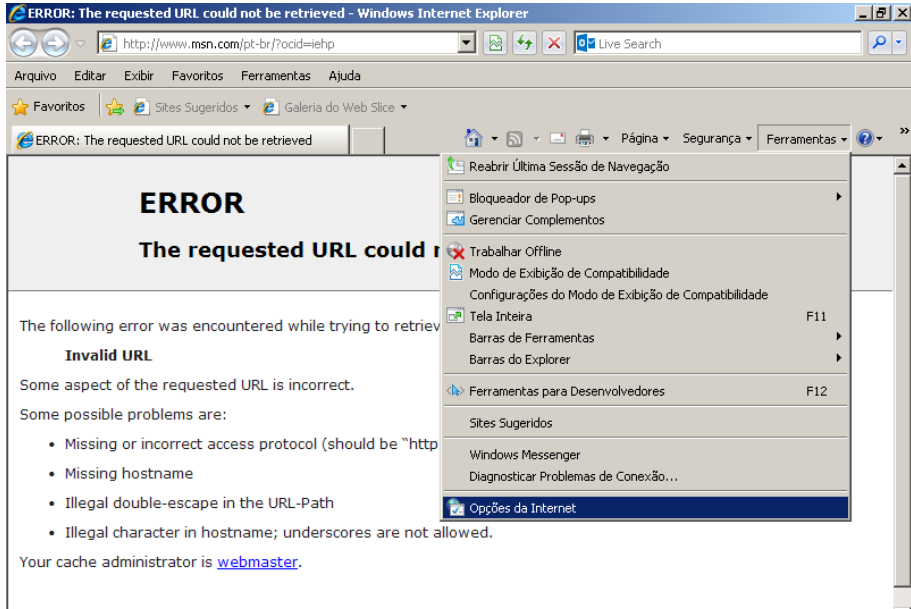
1.2- Teste de funcionamento



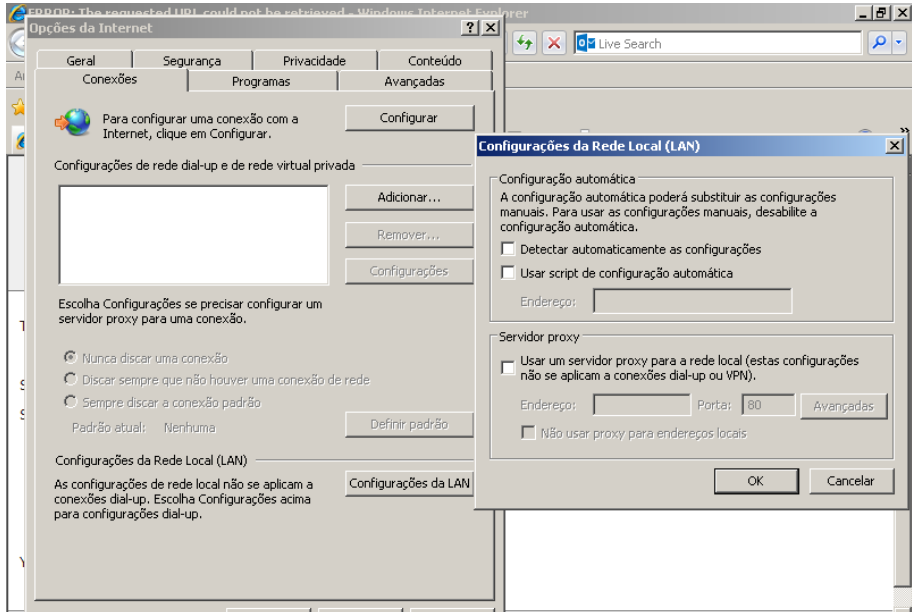
1.2- Teste de funcionamento



1.2- Teste de funcionamento

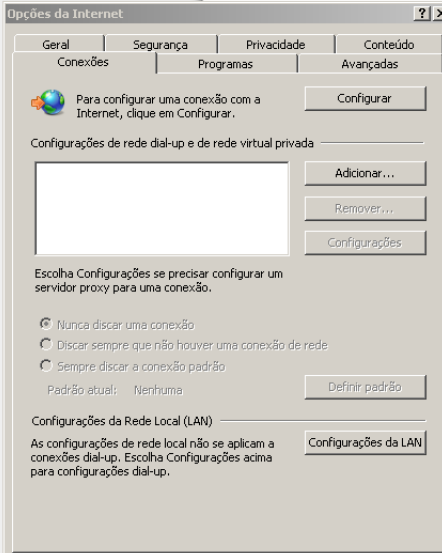


1.2- Teste de funcionamento



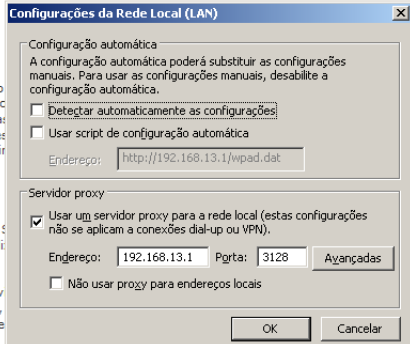
1.2- Teste de funcionamento

Com esse funcionamento o arquivo padrão, se torna a conexão de teste para fins de pesquisa.



`/etc/squid/squid.conf.orig`

`/etc/squid/squid.conf`, contendo apenas as quatro



access allow all. Estas duas linhas criam uma rede (uma todos), incluindo todos os endereços IP possíveis. Ela a lista use o proxy, ou seja, permite que qualquer um use

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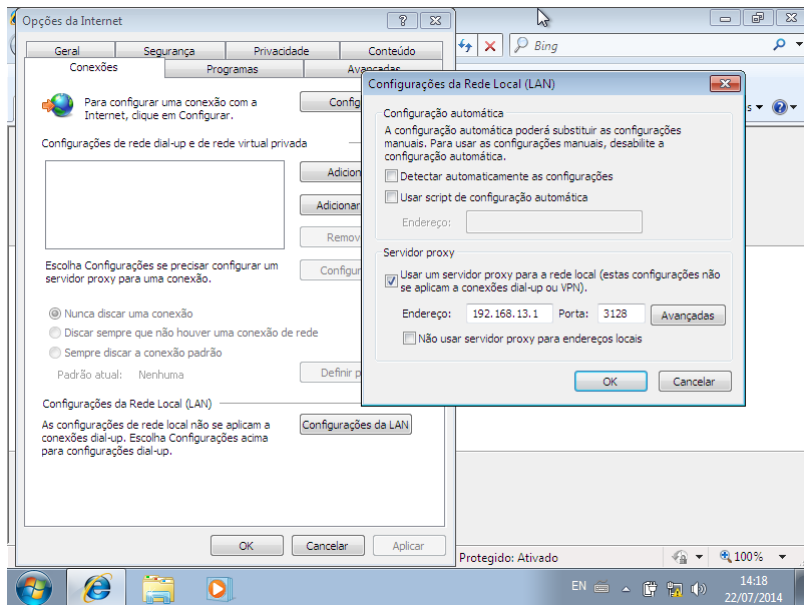
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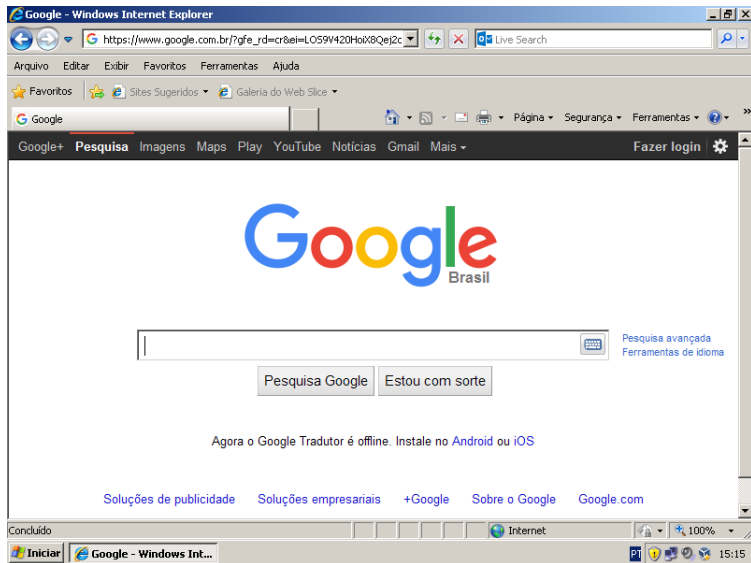
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1.2- Teste de funcionamento



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