# Linux

# Ubuntu Server 14.04 LTS

# Instalação e Configuração do DHCP no Ubuntu Server

Professor:
Éwerton Rômulo
ewerton.castro@ifpb.edu.br

Agosto/2016

# Sumário

1 1-Configuração do DHCP no Servidor Linux

# 1.1- Instalação e Configuração do servidor DHCP

# 1.1- Instalação e Configuração do servidor DHCP

```
Hit http://br.archive.ubuntu.com trusty-backports/restricted i386 Packages
Hit http://br.archive.ubuntu.com trusty-backports/universe i386 Packages
Hit http://br.archive.ubuntu.com trusty-backports/multiverse i386 Packages
Hit http://br.archive.ubuntu.com trusty-backports/main Translation-en
Hit http://br.archive.ubuntu.com trusty-backports/multiverse Translation-en
Hit http://br.archive.ubuntu.com trusty-backports/restricted Translation-en
Hit http://br.archive.ubuntu.com trusty-backports/universe Translation-en
Hit http://br.archive.ubuntu.com trusty/main Sources
Hit http://br.archive.ubuntu.com trusty/restricted Sources
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
Hit http://br.archive.ubuntu.com trusty/restricted Translation-en
Hit http://br.archive.ubuntu.com trusty/universe Translation-en
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 5,689 kB in 57s (99.5 kB/s)
Reading package lists... Done
root@ubuntu:/home/ubuntu#
```

# 1.1- Instalação e Configuração do servidor DHCP

# 1.1- Instalação e Configuração do servidor DHCP

```
root@ubuntu:/home/ubuntu# apt-get install isc-dhcp-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  isc-dhcp-client isc-dhcp-common
Suggested packages:
  avahi-autoipd isc-dhcp-server-ldap
The following NEW packages will be installed:
  isc-dhcp-server
The following packages will be upgraded:
  isc-dhcp-client isc-dhcp-common
2 upgraded, 1 newly installed, 0 to remove and 86 not upgraded.
Need to get 2,107 kB of archives.
After this operation, 2,138 kB of additional disk space will be used.
Do you want to continue? [Y/n] _
```

# 1.1- Instalação e Configuração do servidor DHCP

```
After this operation, 2,138 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://br.archive.ubuntu.com/ubuntu/ trusty-updates/main isc-dhcp-client a
md64 4.2.4-7ubuntu12.5 [639 kB]
Get:2 http://br.archive.ubuntu.com/ubuntu/ trusty-updates/main isc-dhcp-common a
md64 4.2.4-7ubuntu12.5 [707 kB]
Get:3 http://br.archive.ubuntu.com/ubuntu/ trusty-updates/main isc-dhcp-server a
md64 4.2.4-7ubuntu12.5 [761 kB]
Fetched 2,107 kB in 26s (78.4 kB/s)
Preconfiguring packages ...
(Reading database ... 57053 files and directories currently installed.)
Preparing to unpack .../isc-dhcp-client_4.2.4-7ubuntu12.5_amd64.deb ...
Unpacking isc-dhcp-client (4.2.4-7ubuntu12.5) over (4.2.4-7ubuntu12.4) ...
Preparing to unpack .../isc-dhcp-common_4.2.4-7ubuntu12.5_amd64.deb ...
Unpacking isc-dhcp-common (4.2.4-7ubuntu12.5) over (4.2.4-7ubuntu12.4) ...
Selecting previously unselected package isc-dhcp-server.
Preparing to unpack .../isc-dhcp-server_4.2.4-7ubuntu12.5_amd64.deb ...
Unpacking isc-dhcp-server (4.2.4-7ubuntu12.5) ...
Processing triggers for man-db (2.6.7.1-1ubuntu1) ...
Processing triggers for ureadahead (0.100.0-16) ...
ureadahead will be reprofiled on next reboot
Setting up isc-dhcp-common (4.2.4-7ubuntu12.5) ...
Setting up isc-dhcp-client (4.2.4-7ubuntu12.5) ...
Installing new version of config file /etc/apparmor.d/sbin.dhclient ...
Setting up isc-dhcp-server (4.2.4-7ubuntu12.5) ...
Generating /etc/default/isc-dhcp-server...
isc-dhcp-server start/running, process 1727
isc-dhcp-server6 stop/pre-start, process 1779
Processing triggers for ureadahead (0.100.0-16) ...
root@ubuntu:/home/ubuntu#
```

# 1.1- Instalação e Configuração do servidor DHCP

# 1.1- Instalação e Configuração do servidor DHCP

```
  GNU nano 2.2.6          File: /etc/dhcp/dhcpd.conf

#
# Sample configuration file for ISC dhcpd for Debian
#
# Attention: If /etc/ltsp/dhcpd.conf exists, that will be used as
# configuration file instead of this file.
#
#

# The ddns-updates-style parameter controls whether or not the server will
# attempt to do a DNS update when a lease is confirmed. We default to the
# behavior of the version 2 packages ('none', since DHCP v2 didn't
# have support for DDNS.)
ddns-update-style none;

# option definitions common to all supported networks...
option domain-name "example.org";
option domain-name-servers ns1.example.org, ns2.example.org;

default-lease-time 600;
max-lease-time 7200;

# If this DHCP server is the official DHCP server for the local
# network, the authoritative directive should be uncommented.
#authoritative;

                        [ Read 110 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  ^V Next Page ^U UnCut Text^T To Spell
```

# 1.1- Instalação e Configuração do servidor DHCP

# 1.1- Instalação e Configuração do servidor DHCP

# 1.1- Instalação e Configuração do servidor DHCP

# 1.1- Instalação e Configuração do servidor DHCP

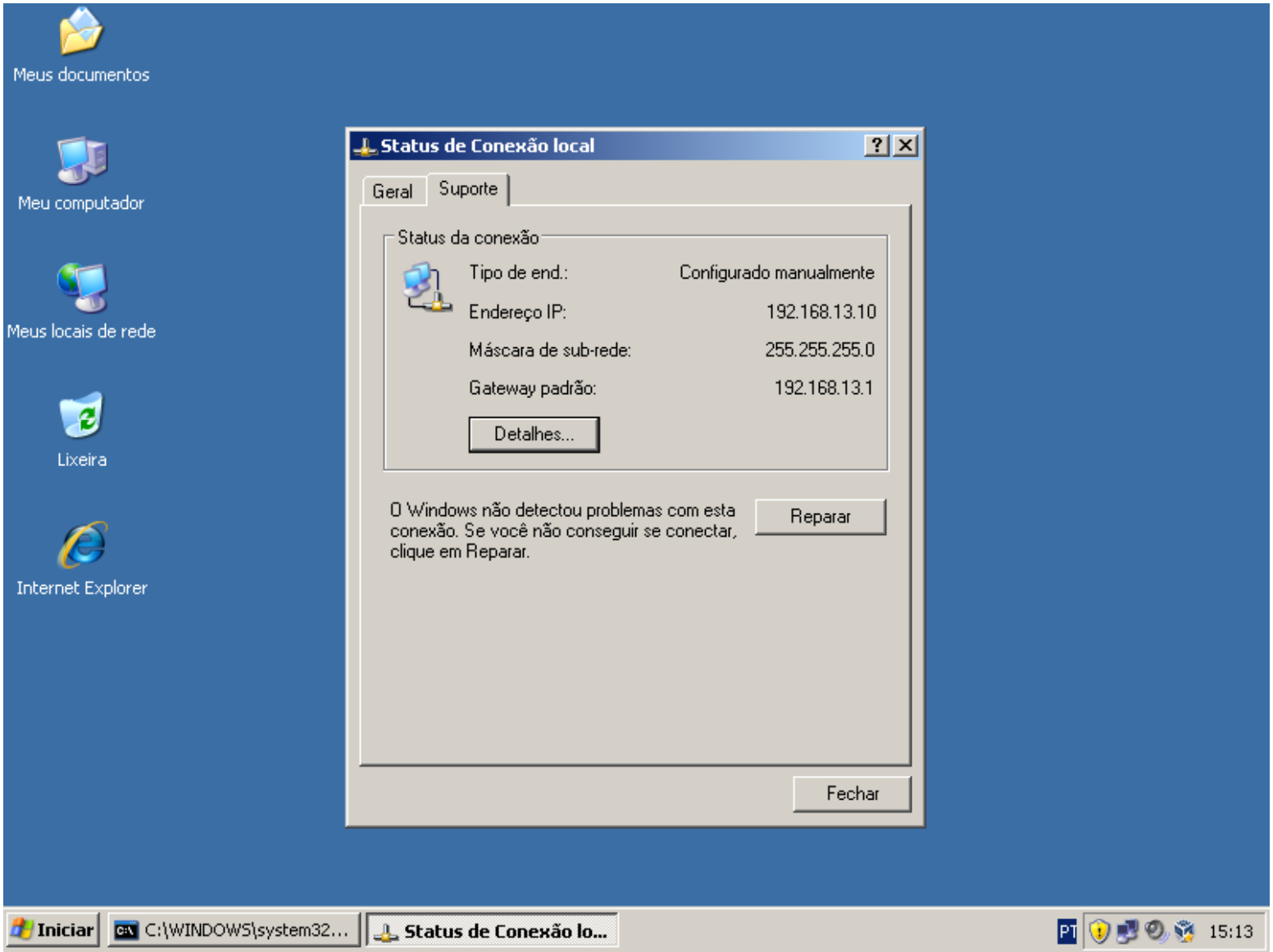
```
  GNU nano 2.2.6          File: /etc/dhcp/dhcpd.conf                Modified

ddns-update-style none;
default-lease-time 600;
max-lease-time 7200;
authoritative;

subnet 192.168.13.0 netmask 255.255.255.0  {
range 192.168.13.2 192.168.13.254;
option routers 192.168.13.1;
option domain-name-servers 8.8.8.8,192.168.13.1;
option broadcast-address 192.168.13.255;

}_

^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- Instalação e Configuração do servidor DHCP

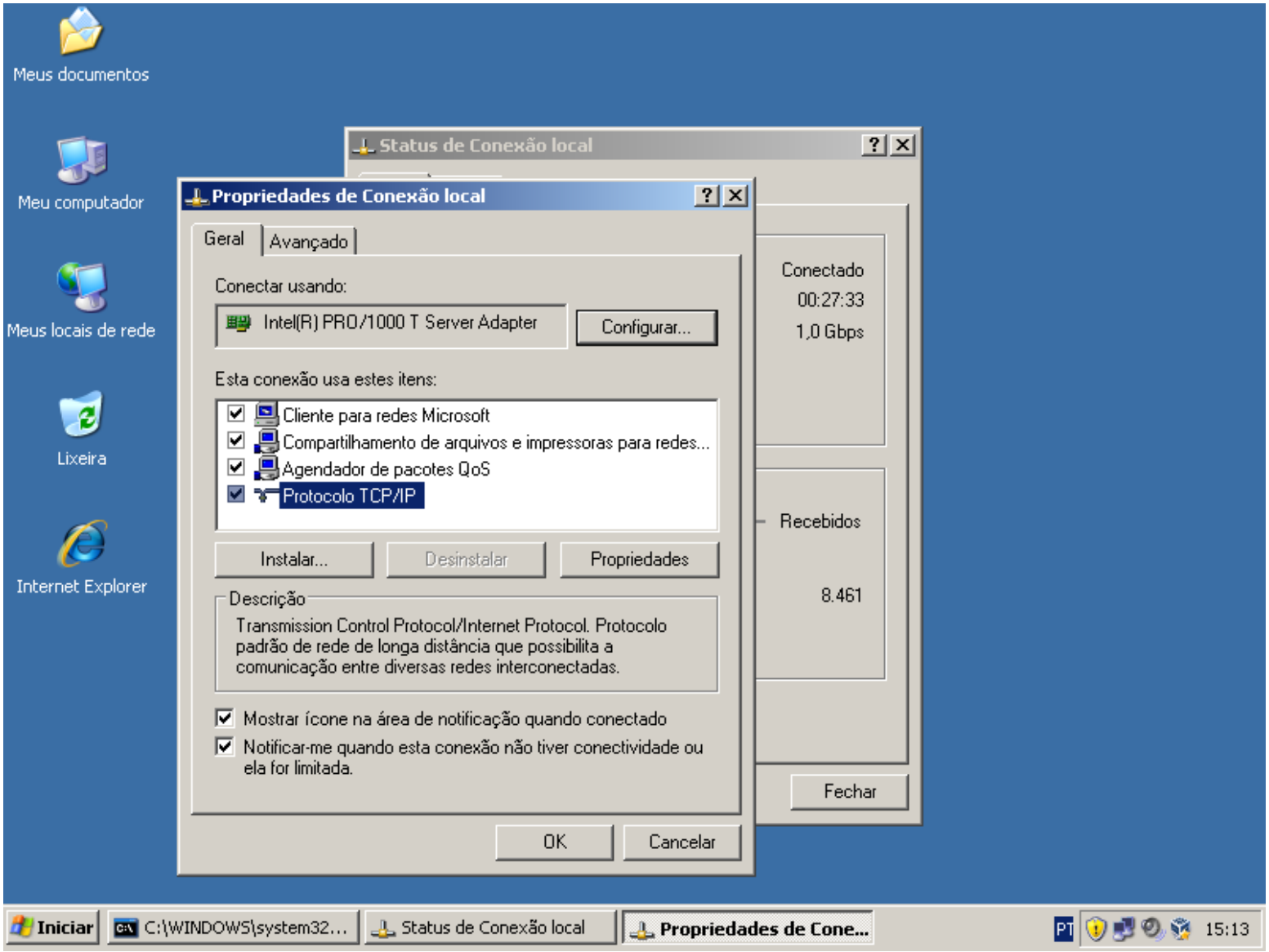
# 1.1- Instalação e Configuração do servidor DHCP

```
root@ubuntu:/home/ubuntu# service isc-dhcp-server restart
isc-dhcp-server stop/waiting
isc-dhcp-server start/running, process 1913
root@ubuntu:/home/ubuntu#
```

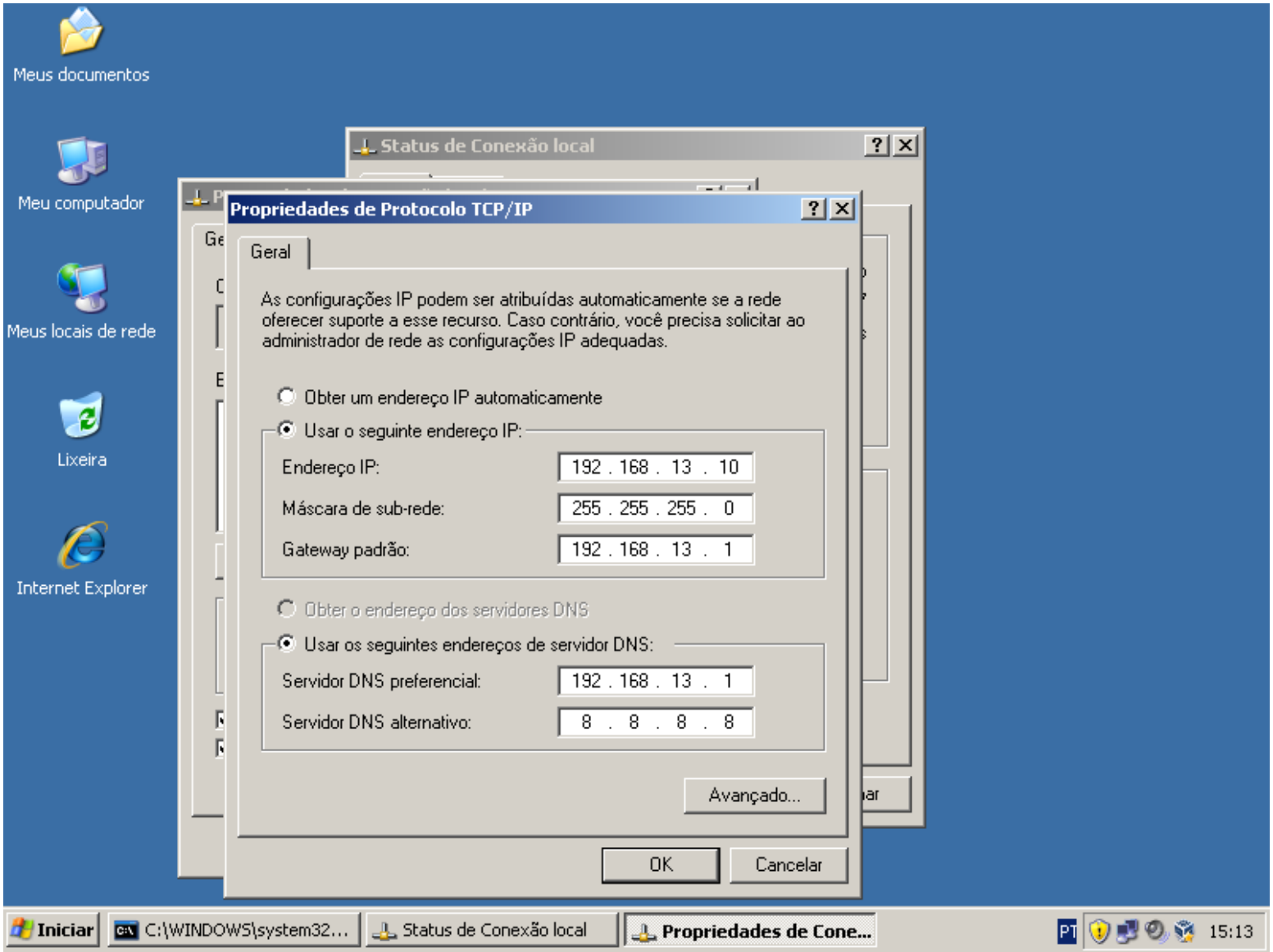
# 1.2- Teste de funcionamento



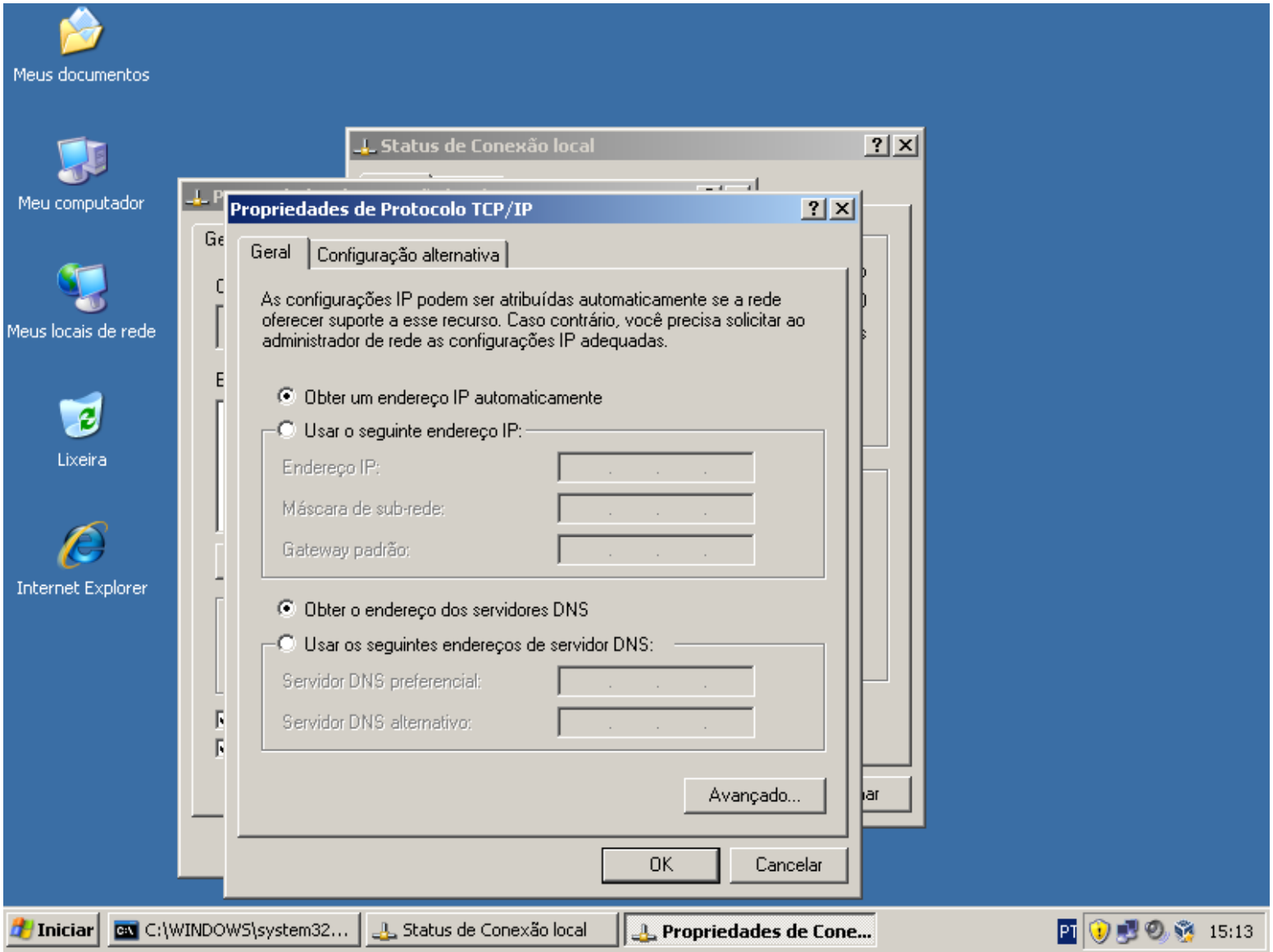
# 1.2- Teste de funcionamento



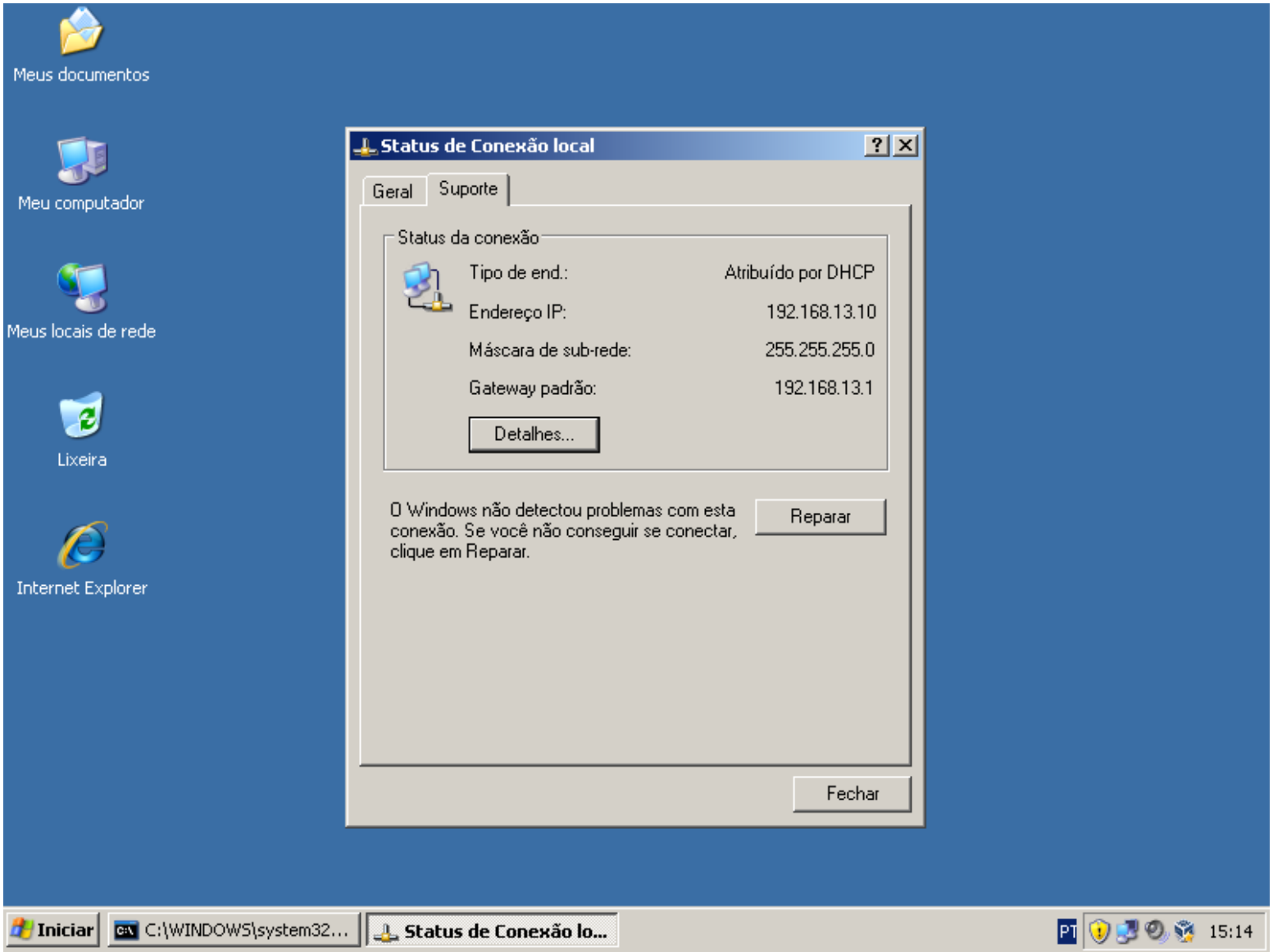
# 1.2- Teste de funcionamento



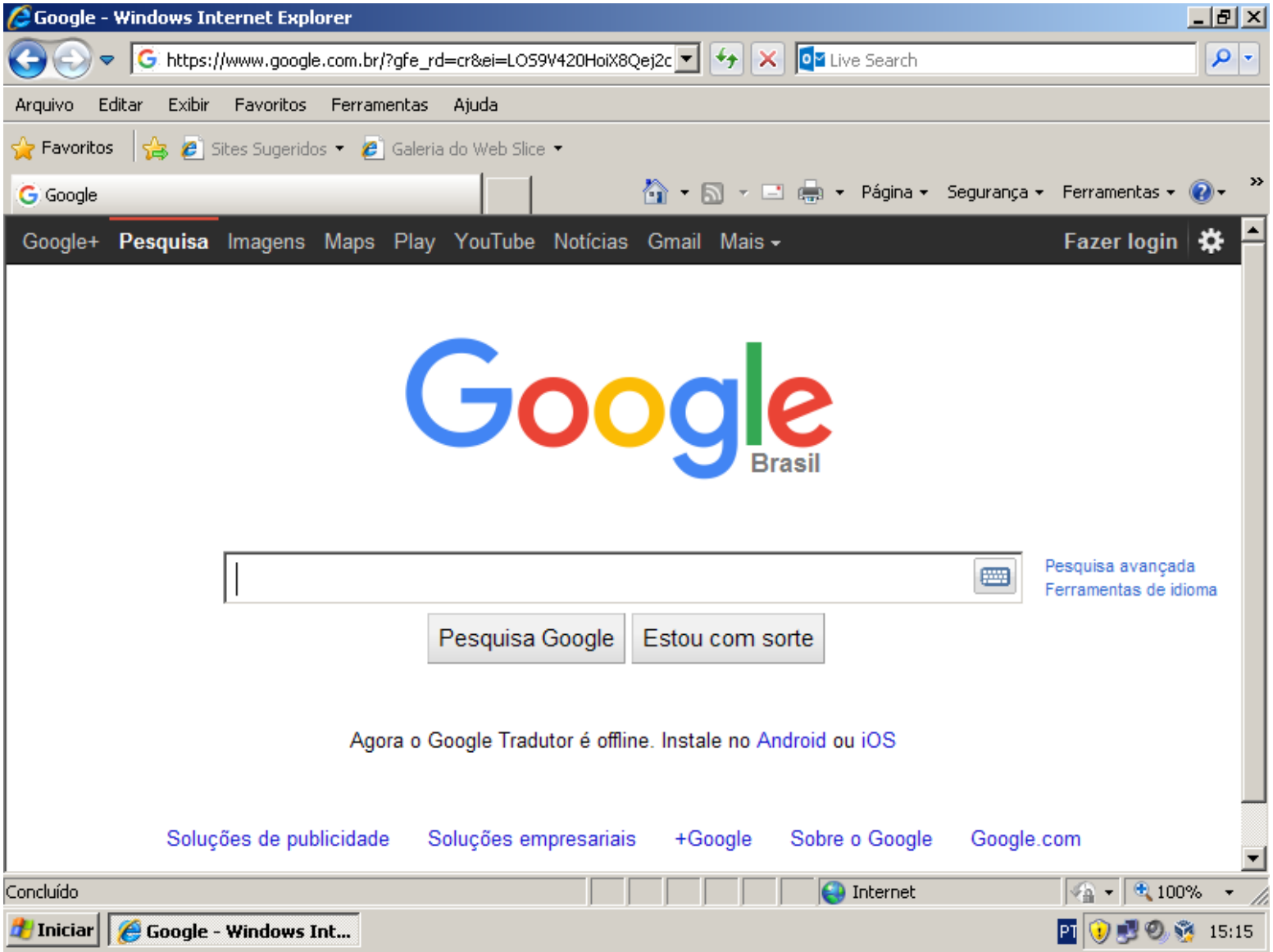
# 1.2- Teste de funcionamento



# 1.2- Teste de funcionamento



# 1.2- Teste de funcionamento



# Contato

**Éwerton** Rômulo S. Castro

**ewerton.castro**@ifpb.edu.br