

# Linux

## Ubuntu Server 18.04 LTS

### Instalação e Configuração do DHCP no Ubuntu Server

Professor:

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## 1 1-Configuração do DHCP no Servidor Linux

## 1.1- Instalação e Configuração do servidor DHCP

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

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# apt-get update
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [83.2 kB]
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:5 http://archive.ubuntu.com/ubuntu bionic-updates/main Sources [161 kB]
Get:6 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages
Get:7 http://archive.ubuntu.com/ubuntu bionic-updates/main Translation-en
Fetched 832 kB in 6s (138 kB/s)
Reading package lists... Done
root@asoa:/home/asoa#
```

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# apt-get install isc-dhcp-server
```

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# apt-get install isc-dhcp-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer
  linux-headers-4.15.0-22 linux-headers-4.15.0-22-generic linux-image
  linux-modules-4.15.0-20-generic linux-modules-4.15.0-22-generic
  linux-modules-extra-4.15.0-22-generic
Use 'apt autoremove' to remove them.
The following additional packages will be installed:
  libirs-export160 libisccfg-export160
Suggested packages:
  isc-dhcp-server-ldap policycoreutils
The following NEW packages will be installed:
  isc-dhcp-server libirs-export160 libisccfg-export160
0 upgraded, 3 newly installed, 0 to remove and 80 not upgraded.
Need to get 509 kB of archives.
After this operation, 1,789 kB of additional disk space will be used.
Do you want to continue? [Y/n] _
```

# 1.1- Instalação e Configuração do servidor DHCP

```
Need to get 509 kB of archives.  
After this operation, 1,789 kB of additional disk space will be used.  
Do you want to continue? [Y/n] Y  
Get:1 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libiscfg-export160 amd64 1:9.11.3+  
dfsg-1ubuntu1.1 [45.4 kB]  
Get:2 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libirs-export160 amd64 1:9.11.3+dfs  
g-1ubuntu1.1 [18.4 kB]  
Get:3 http://archive.ubuntu.com/ubuntu bionic/main amd64 isc-dhcp-server amd64 4.3.5-3ubuntu7 [446 k  
B]  
Fetched 509 kB in 2s (235 kB/s)  
Preconfiguring packages ...  
Selecting previously unselected package libiscfg-export160.  
(Reading database ... 139048 files and directories currently installed.)  
Preparing to unpack .../libiscfg-export160_1%3a9.11.3+dfsg-1ubuntu1.1_amd64.deb ...  
Unpacking libiscfg-export160 (1:9.11.3+dfsg-1ubuntu1.1) ...  
Selecting previously unselected package libirs-export160.  
Preparing to unpack .../libirs-export160_1%3a9.11.3+dfsg-1ubuntu1.1_amd64.deb ...  
Unpacking libirs-export160 (1:9.11.3+dfsg-1ubuntu1.1) ...  
Selecting previously unselected package isc-dhcp-server.  
Preparing to unpack .../isc-dhcp-server_4.3.5-3ubuntu7_amd64.deb ...  
Unpacking isc-dhcp-server (4.3.5-3ubuntu7) ...  
Processing triggers for ureadahead (0.100.0-20) ...  
Setting up libiscfg-export160 (1:9.11.3+dfsg-1ubuntu1.1) ...  
Processing triggers for libc-bin (2.27-3ubuntu1) ...  
Processing triggers for systemd (237-3ubuntu10) ...  
Processing triggers for man-db (2.8.3-2) ...  
Setting up libirs-export160 (1:9.11.3+dfsg-1ubuntu1.1) ...  
Setting up isc-dhcp-server (4.3.5-3ubuntu7) ...  
Generating /etc/default/isc-dhcp-server...  
Created symlink /etc/systemd/system/multi-user.target.wants/isc-dhcp-server.service → /lib/systemd/s  
ystem/isc-dhcp-server.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/isc-dhcp-server6.service → /lib/systemd/  
system/isc-dhcp-server6.service.  
Processing triggers for libc-bin (2.27-3ubuntu1) ...  
Processing triggers for ureadahead (0.100.0-20) ...  
Processing triggers for systemd (237-3ubuntu10) ...  
root@asoa:/home/asoa#
```

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# nano /etc/dhcp/dhcpd.conf
```



# 1.1- Instalação e Configuração do servidor DHCP

GNU nano 2.9.3

/etc/dhcp/dhcpd.conf

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

# 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;

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

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# rm_/etc/dhcp/dhcpd.conf
```

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# nano /etc/dhcp/dhcpd.conf _
```

# 1.1- Instalação e Configuração do servidor DHCP

GNU nano 2.9.3

/etc/dhcp/dhcpd.conf

## 1.1- Instalação e Configuração do servidor DHCP

GNU nano 2.9.3

/etc/dhcp/dhcpd.conf

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

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 10.4.0.1,192.168.13.1;
option broadcast-address 192.168.13.255;

}
```

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# service isc-dhcp-server restart _
```

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# service isc-dhcp-server restart
root@asoa:/home/asoa#
```

## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# dhcpd -d_
```



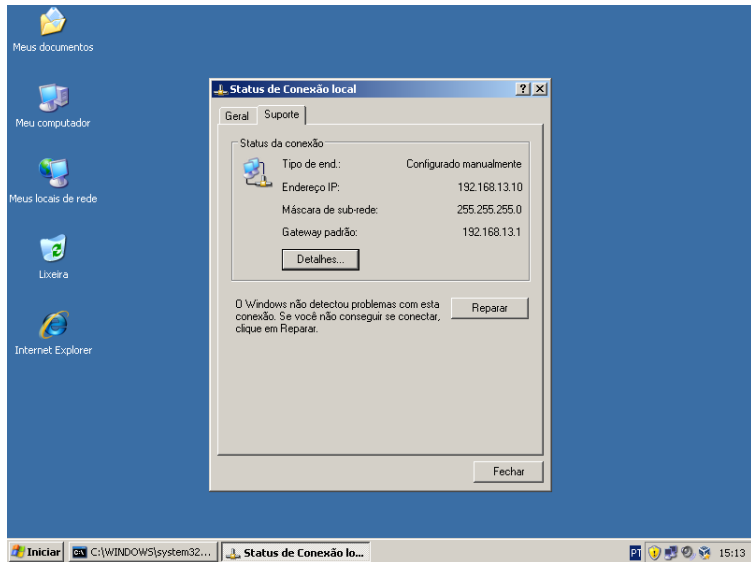
## 1.1- Instalação e Configuração do servidor DHCP

```
root@asoa:/home/asoa# dhcpd -d
Internet Systems Consortium DHCP Server 4.3.5
Copyright 2004-2016 Internet Systems Consortium.
All rights reserved.
For info, please visit https://www.isc.org/software/dhcp/
Config file: /etc/dhcp/dhcpd.conf
Database file: /var/lib/dhcp/dhcpd.leases
PID file: /var/run/dhcpd.pid
Can't open /var/lib/dhcp/dhcpd.leases for append.

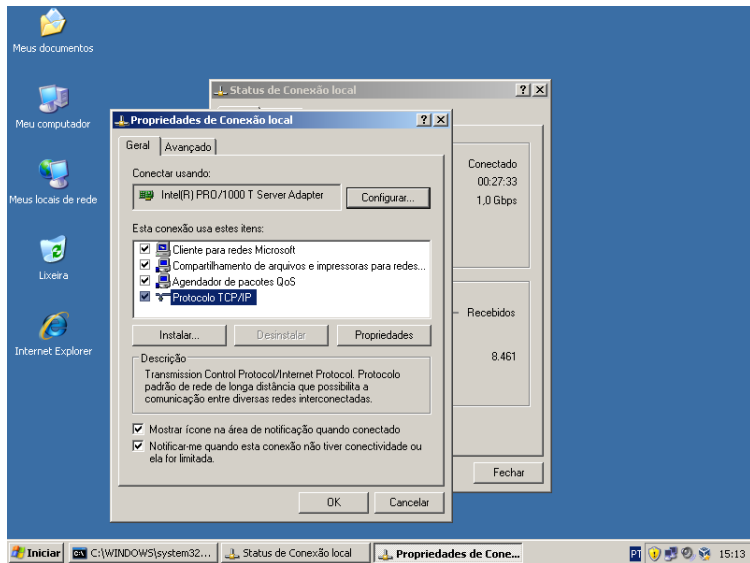
If you think you have received this message due to a bug rather
than a configuration issue please read the section on submitting
bugs on either our web page at www.isc.org or in the README file
before submitting a bug.  These pages explain the proper
process and the information we find helpful for debugging..

exiting.
root@asoa:/home/asoa# _
```

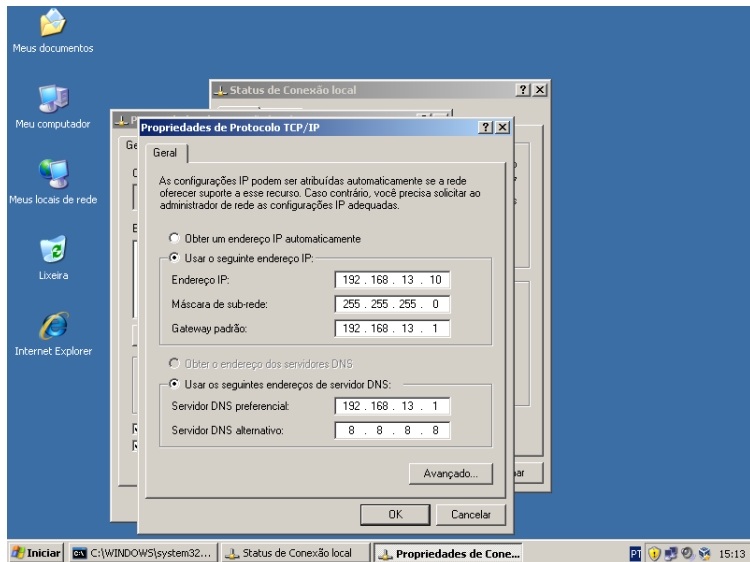
## 1.2- Teste de funcionamento



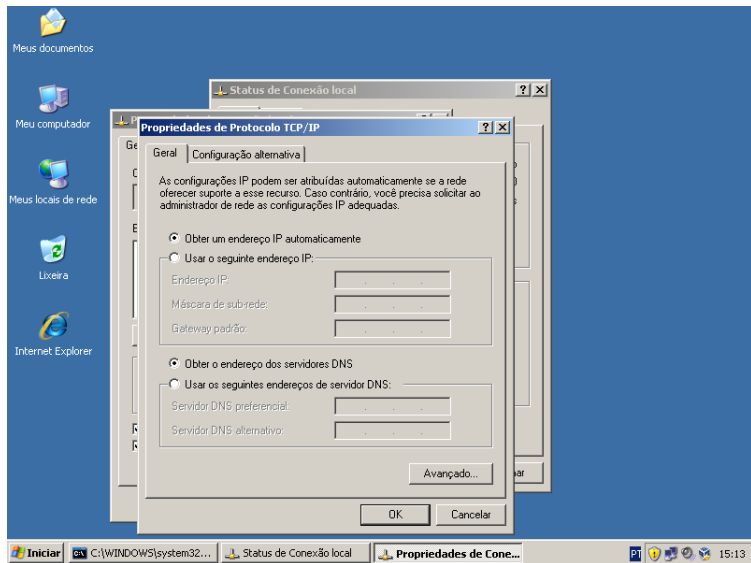
# 1.2- Teste de funcionamento



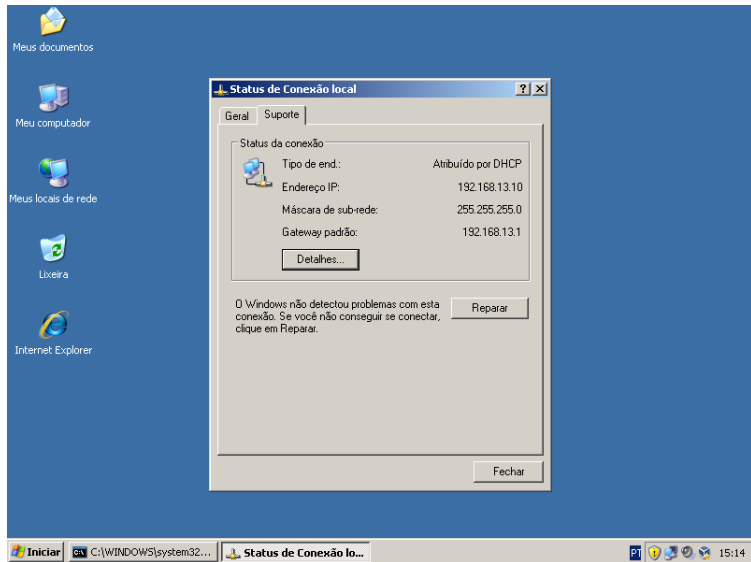
# 1.2- Teste de funcionamento



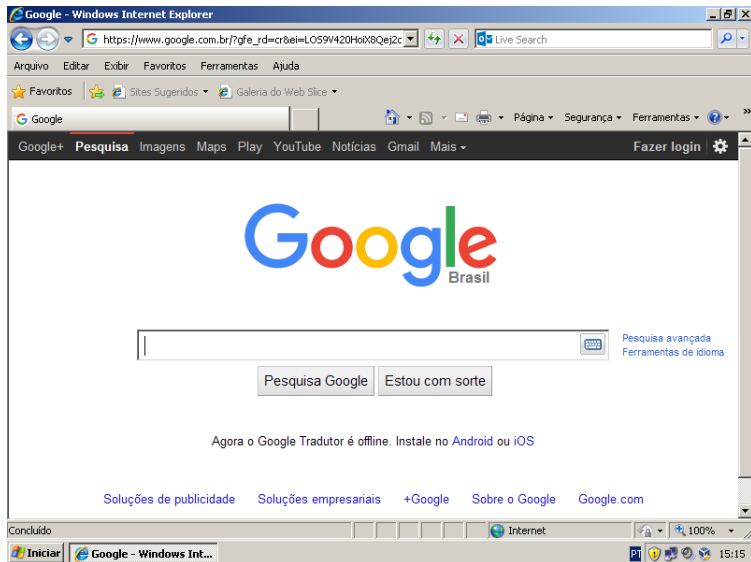
## 1.2- Teste de funcionamento



## 1.2- Teste de funcionamento



## 1.2- Teste de funcionamento



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