



Neste artigo, vou demonstrar como instalar e configurar na Cubieboard 2 o Servidor de Impressão CUPS.

A distribuição utilizada será o Cubian, que está instalado em uma Cubieboard 2.

Link da Imagem para SD Card

[http://cubie.nobrainz.de/downloads/CTDebian\\_1.9\\_hdmi.zip](http://cubie.nobrainz.de/downloads/CTDebian_1.9_hdmi.zip)

É necessário para nossos testes uma impressora USB, PARALELA ou de REDE.  
No exemplo a seguir tenho uma HP LaserJet Professional P1102w, HP Laser com rede sem fio, nela está configurado o IP 11.11.11.122.



**Instalação:**

**aptitude update**

**apt-get install cups samba printer-driver-hpijs printer-driver-hpcups**

**vim /etc/cups/cupsd.conf**

**LogLevel warning**

**SystemGroup lpadmin**

**# Allow remote access**

**Port 631**

**Listen /var/run/cups/cups.sock**

**# Share local printers on the local network.**

**Browsing On**

**BrowseOrder allow,deny**

**BrowseAddress @LOCAL**

**DefaultAuthType Basic**

**<Location />**

**Allow From All**

**# Allow shared printing and remote administration...**

**Order allow,deny**



```
Allow @LOCAL
</Location>
<Location /admin>
Allow From All

# Allow remote administration...
Order allow,deny
Allow @LOCAL
</Location>
<Location /printers>
Order allow,deny
Allow all
</Location>
<Location /admin/conf>
AuthType Default
Require user @SYSTEM

# Allow remote access to the configuration files...
Order allow,deny
Allow @LOCAL
</Location>
<Policy default>
<Limit Send-Document Send-URI Hold-Job Release-Job Restart-Job Purge-Jobs Set-Job-
Attributes Create-Job-Subscription Renew-Subscription Cancel-Subscription Get-
Notifications Reprocess-Job Cancel-Current-Job Suspend-Current-Job Resume-Job CUPS-
Move-Job>
Require user @OWNER @SYSTEM
Order allow,deny
</Limit>
<Limit CUPS-Add-Modify-Printer CUPS-Delete-Printer CUPS-Add-Modify-Class CUPS-Delete-
Class CUPS-Set-Default>
AuthType Default
Require user @SYSTEM
Order allow,deny
</Limit>
<Limit Pause-Printer Resume-Printer Enable-Printer Disable-Printer Pause-Printer-After-
Current-Job Hold-New-Jobs Release-Held-New-Jobs Deactivate-Printer Activate-Printer
Restart-Printer Shutdown-Printer Startup-Printer Promote-Job Schedule-Job-After CUPS-
Accept-Jobs CUPS-Reject-Jobs>
AuthType Default
Require user @SYSTEM
Order allow,deny
</Limit>
<Limit Cancel-Job CUPS-Authenticate-Job>
```

Require user @OWNER @SYSTEM

Order allow,deny

</Limit>

<Limit All>

Order allow,deny

</Limit>

</Policy>

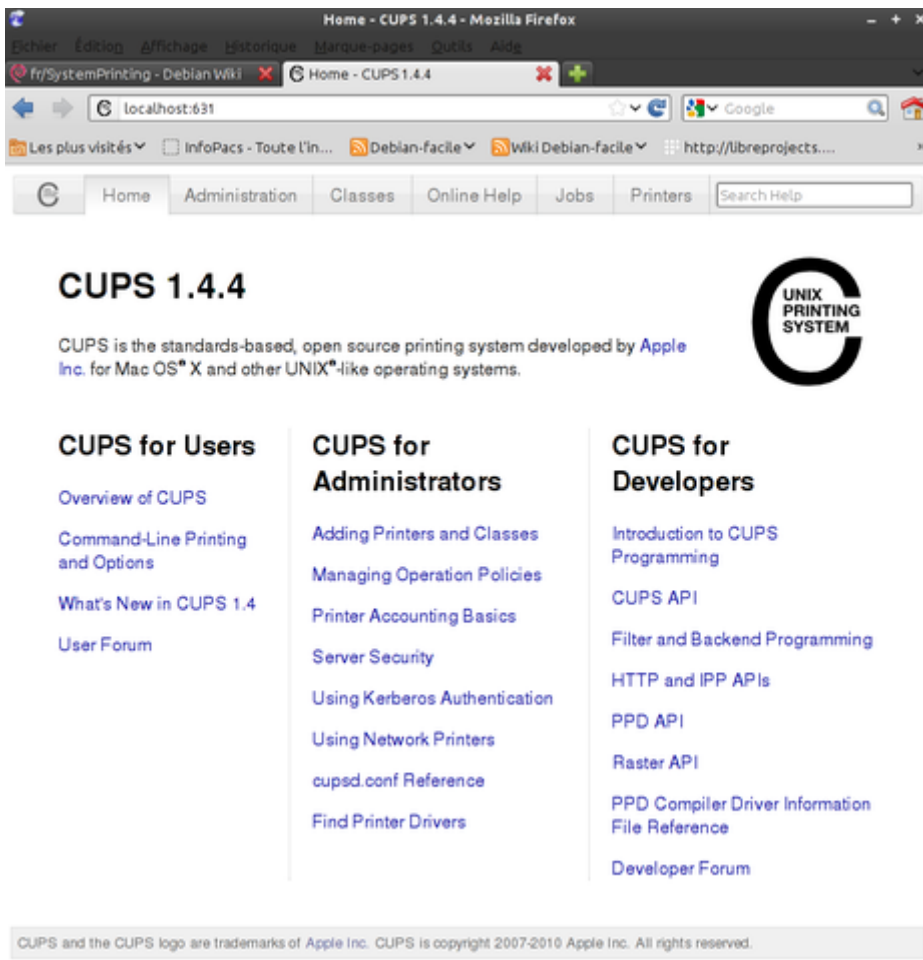
Agora reinicie o serviço:

\$ sudo /etc/init.d/cups restart

Faça um teste para ver se esta tudo correndo bem.

No exemplo abaixo eu coloco o IP da minha rede, altere conforme a sua.

- <http://11.11.11.122:631>




Home - CUPS 1.4.4 - Mozilla Firefox

localhost:631

## CUPS 1.4.4

CUPS is the standards-based, open source printing system developed by Apple Inc. for Mac OS® X and other UNIX®-like operating systems.



<b>CUPS for Users</b> <ul style="list-style-type: none"><li><a href="#">Overview of CUPS</a></li><li><a href="#">Command-Line Printing and Options</a></li><li><a href="#">What's New in CUPS 1.4</a></li><li><a href="#">User Forum</a></li></ul>	<b>CUPS for Administrators</b> <ul style="list-style-type: none"><li><a href="#">Adding Printers and Classes</a></li><li><a href="#">Managing Operation Policies</a></li><li><a href="#">Printer Accounting Basics</a></li><li><a href="#">Server Security</a></li><li><a href="#">Using Kerberos Authentication</a></li><li><a href="#">Using Network Printers</a></li><li><a href="#">cupsd.conf Reference</a></li><li><a href="#">Find Printer Drivers</a></li></ul>	<b>CUPS for Developers</b> <ul style="list-style-type: none"><li><a href="#">Introduction to CUPS Programming</a></li><li><a href="#">CUPS API</a></li><li><a href="#">Filter and Backend Programming</a></li><li><a href="#">HTTP and IPP APIs</a></li><li><a href="#">PPD API</a></li><li><a href="#">Raster API</a></li><li><a href="#">PPD Compiler Driver Information</a></li><li><a href="#">File Reference</a></li><li><a href="#">Developer Forum</a></li></ul>
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Configuração do samba:



Aqui fica a parte muito importante, geralmente muitas pessoas recebem um erro de “Acesso Negado: Não foi possível estabelecer uma conexão”. Elas conseguem instalar a impressora, mas não é possível imprimir por acesso negado. Vamos resolver esse probleminha.

```
vim /etc/samba/smb.conf
```

```
#===== Global Settings =====

[global]

workgroup = WORKGROUP
server string = %h server
dns proxy = no
log file = /var/log/samba/log.%m
max log size = 1000
panic action = /usr/share/samba/panic-action %d
encrypt passwords = true
passdb backend = tdbsam
obey pam restrictions = yes
unix password sync = yes
passwd program = /usr/bin/passwd %u
passwd chat = *Enter\snew\s*\spassword:* %n\n *Retye\snew\s*\spassword:* %n\n
*password\supdated\ssuccessfully* .
pam password change = yes
map to guest = bad user

##### Printing #####

# If you want to automatically load your printer list rather
# than setting them up individually then you'll need this
load printers = yes

# lpr(ng) printing. You may wish to override the location of the
# printcap file
; printing = bsd
; printcap name = /etc/printcap

# CUPS printing. See also the cupsaddsmb(8) manpage in the
# cupsys-client package.
printing = cups
printcap name = cups

#===== Share Definitions =====

[homes]
comment = Home Directories
browseable = no
read only = yes
```



```
create mask = 0700
directory mask = 0700
valid users = %S
```

```
[printers]
comment = All Printers
browseable = yes
path = /var/spool/samba
printable = yes
guest ok = no
read only = yes
create mask = 0700
```

# Windows clients look for this share name as a source of downloadable

# printer drivers

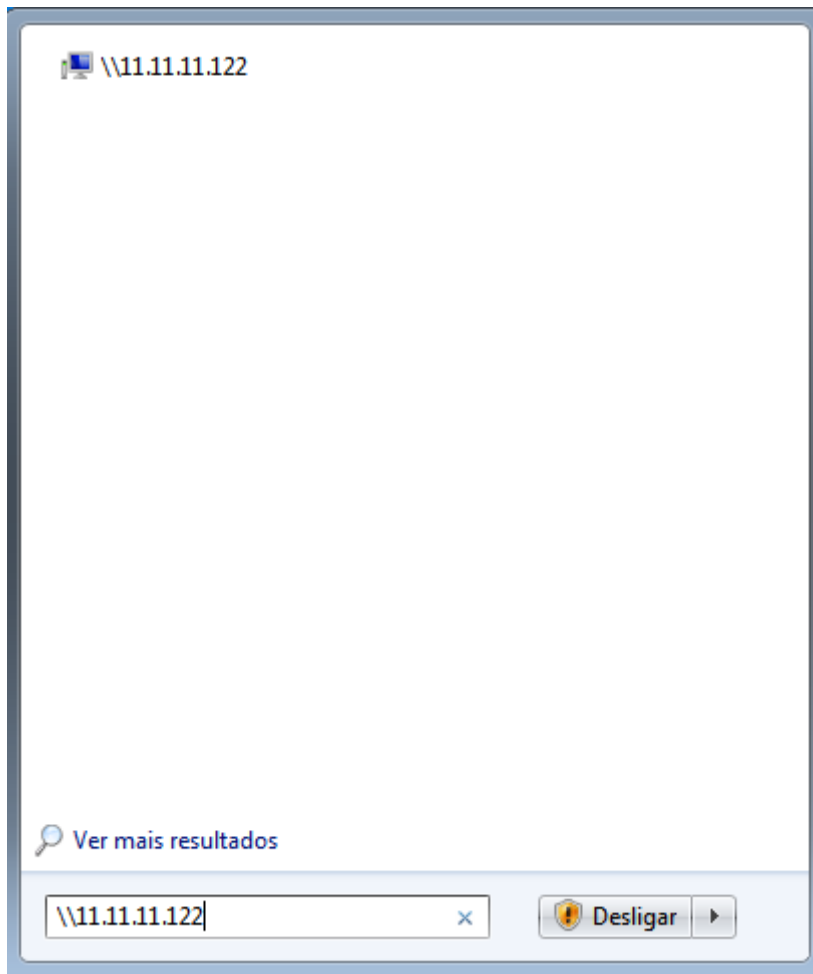
```
[print$]
comment = Printer Drivers
path = /var/lib/samba/printers
browseable = yes
read only = yes
guest ok = no
```

Instalação manual de impressoras:

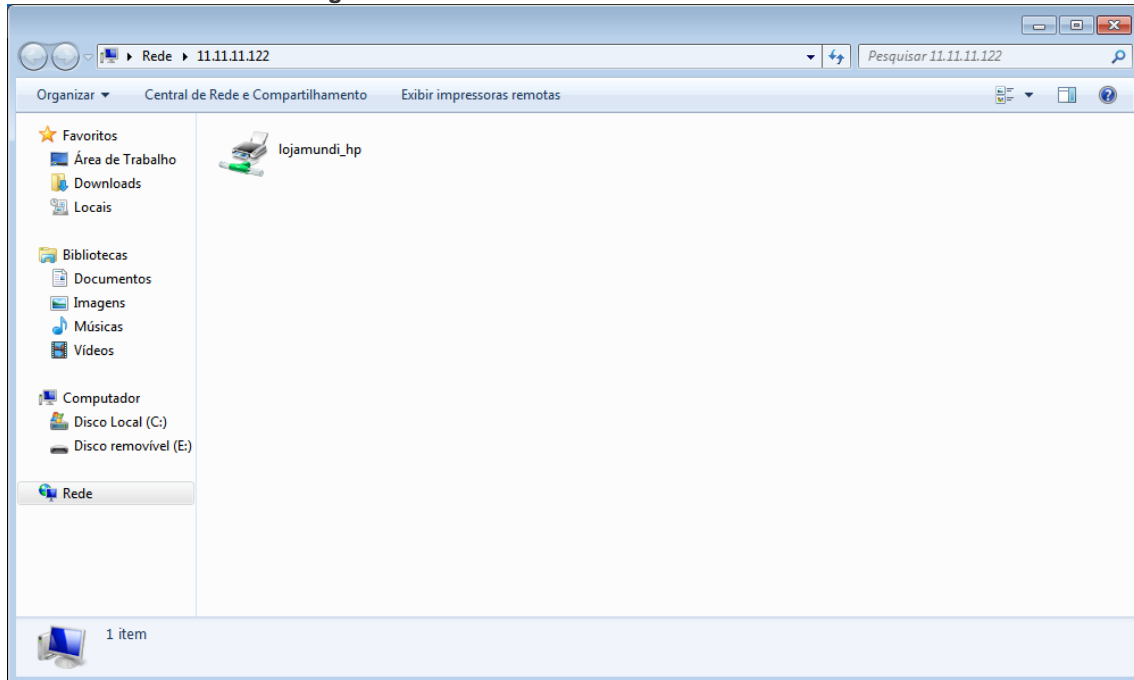
Uma outra forma de detectar e configurar impressoras com o CUPS é necessário utilizar o utilitário do pacote hplip

```
hp-setup -i
```

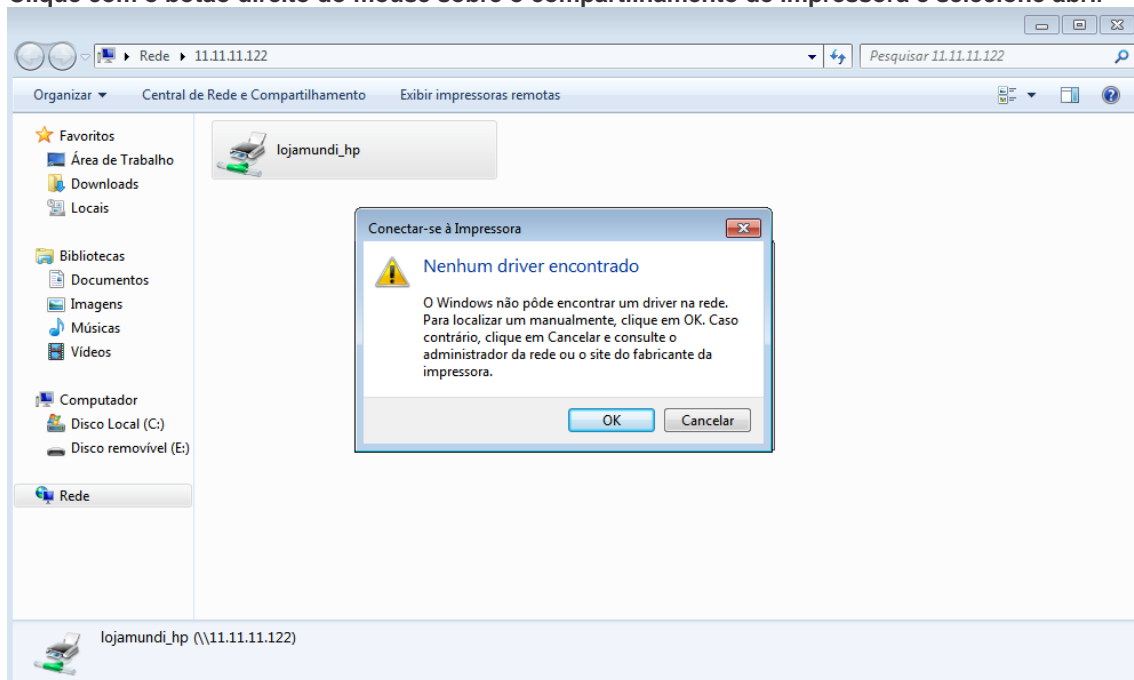
Adicionando Impressoras no Windows:



No executar do Windows diigite \\IPdaCubieboard

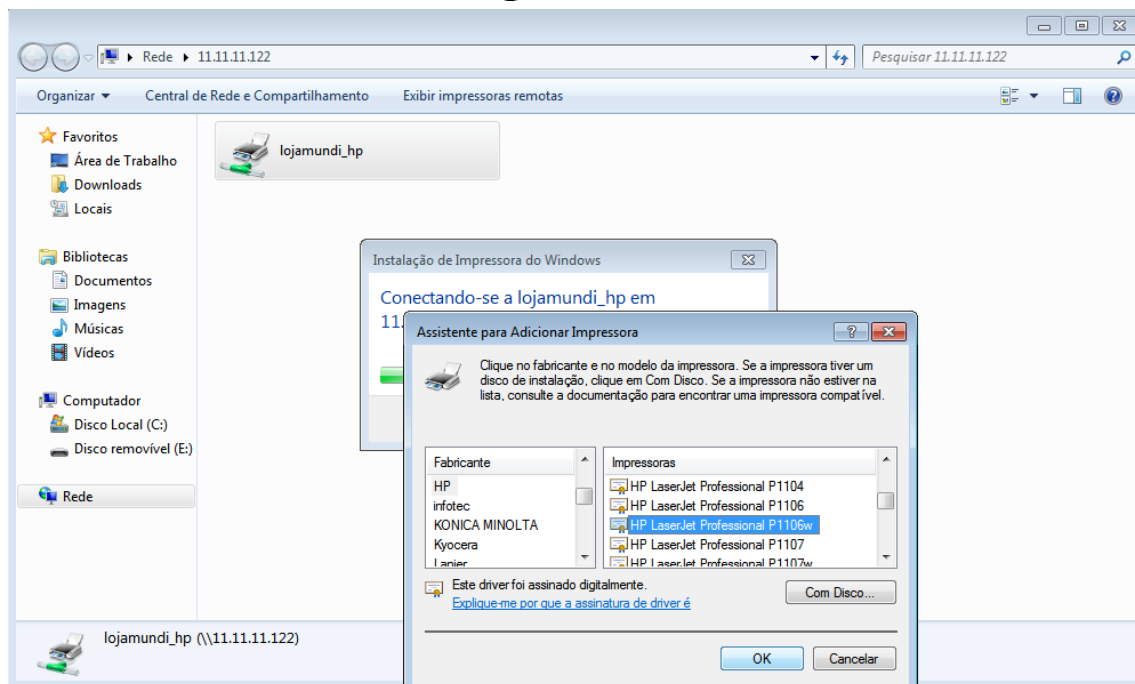


Clique com o botão direito do mouse sobre o compartilhamento de impressora e selecione abrir



Em seguida clique em OK





Nesse passo selecione o driver da sua Impressora e clique em OK

<https://www.youtube.com/watch?v=a03gAl2eHw8>