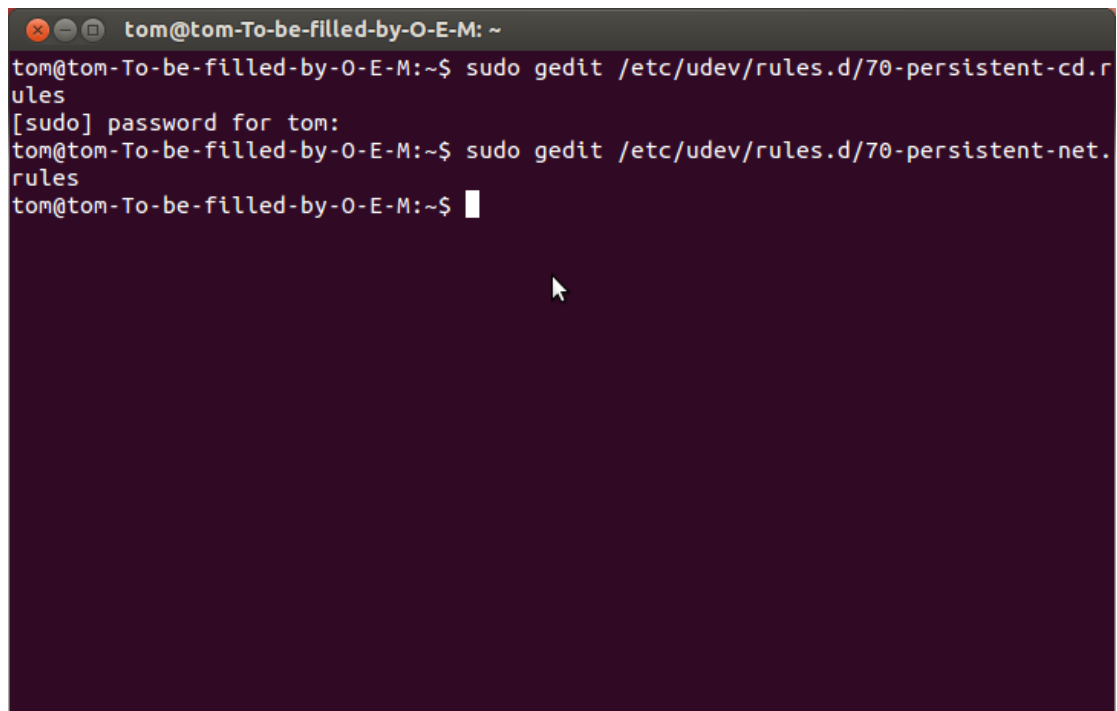


GP LINUX DRIVER INSTALLATION

2013.1.19

If connected with serial port.

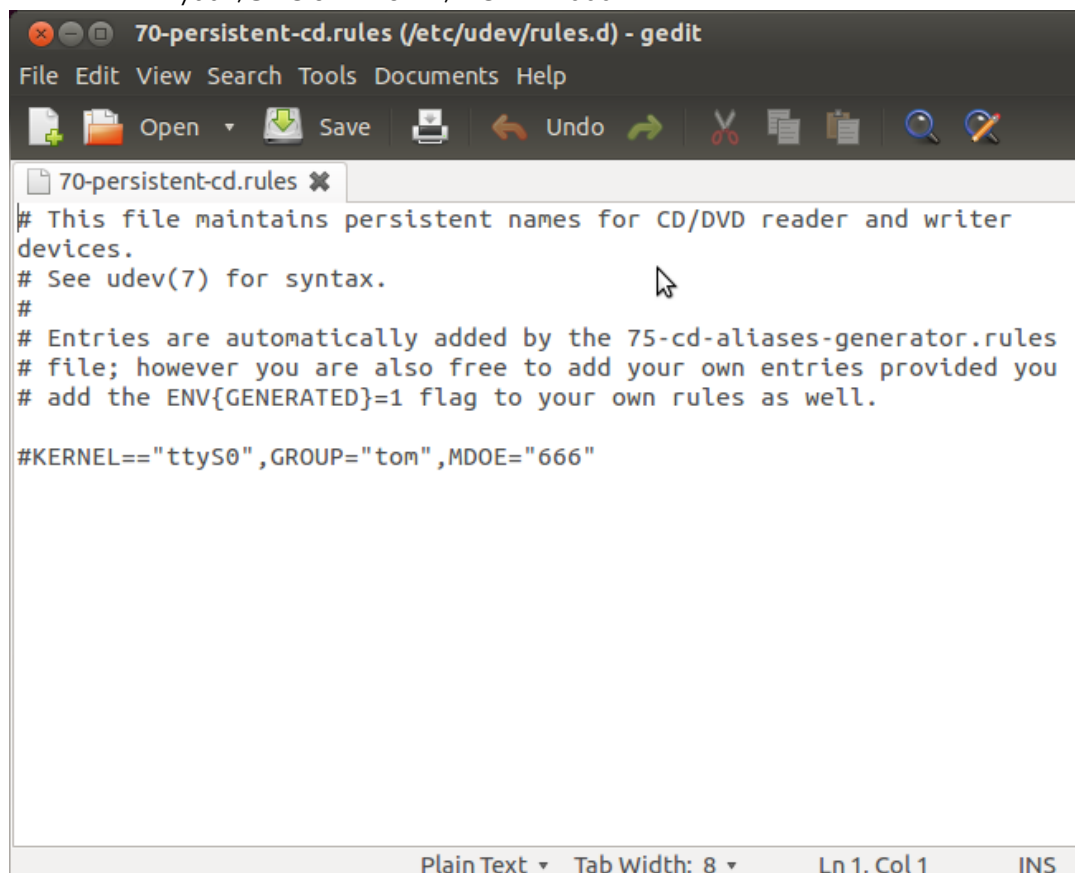
1. Input "sudo gedit /etc/udev/rules.d/70-persistent-cd.rules"



```
tom@tom-To-be-filled-by-O-E-M: ~  
tom@tom-To-be-filled-by-O-E-M:~$ sudo gedit /etc/udev/rules.d/70-persistent-cd.r  
ules  
[sudo] password for tom:  
tom@tom-To-be-filled-by-O-E-M:~$ sudo gedit /etc/udev/rules.d/70-persistent-net.  
rules  
tom@tom-To-be-filled-by-O-E-M:~$
```

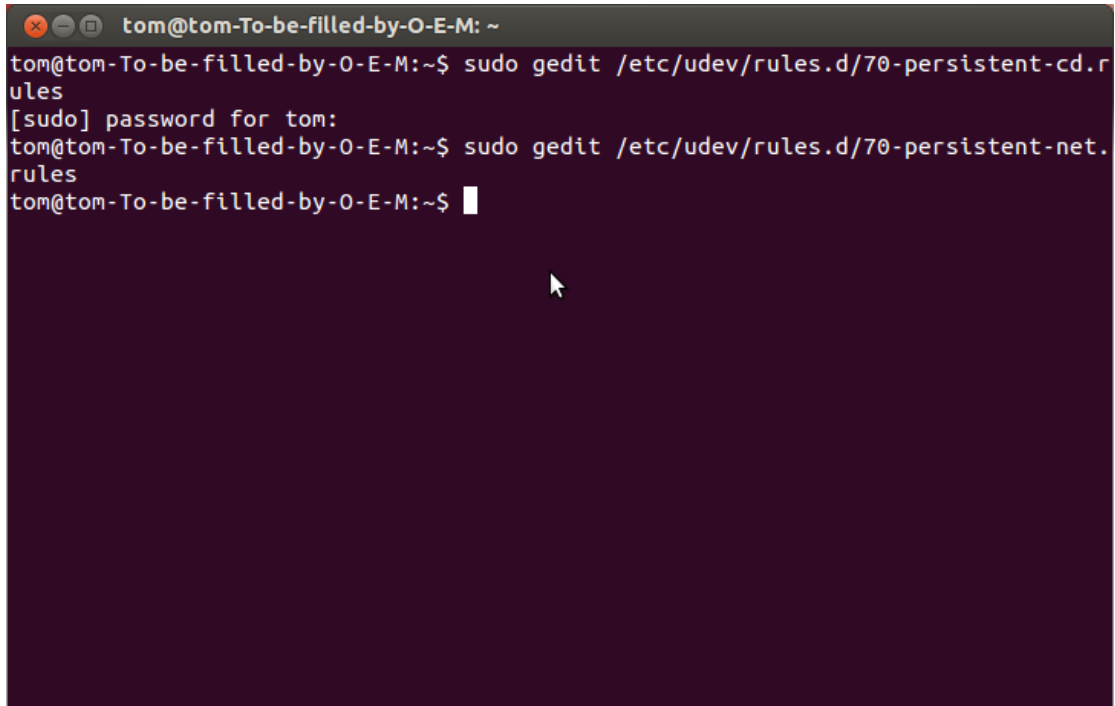
2. Input in popup as below:

#KERNEL=="ttyS0",GROUP="tom",MODE="666"



```
70-persistent-cd.rules (/etc/udev/rules.d) - gedit  
File Edit View Search Tools Documents Help  
Open Save Undo  
# This file maintains persistent names for CD/DVD reader and writer  
devices.  
# See udev(7) for syntax.  
#  
# Entries are automatically added by the 75-cd-aliases-generator.rules  
# file; however you are also free to add your own entries provided you  
# add the ENV{GENERATED}=1 flag to your own rules as well.  
  
#KERNEL=="ttyS0",GROUP="tom",MODE="666"
```

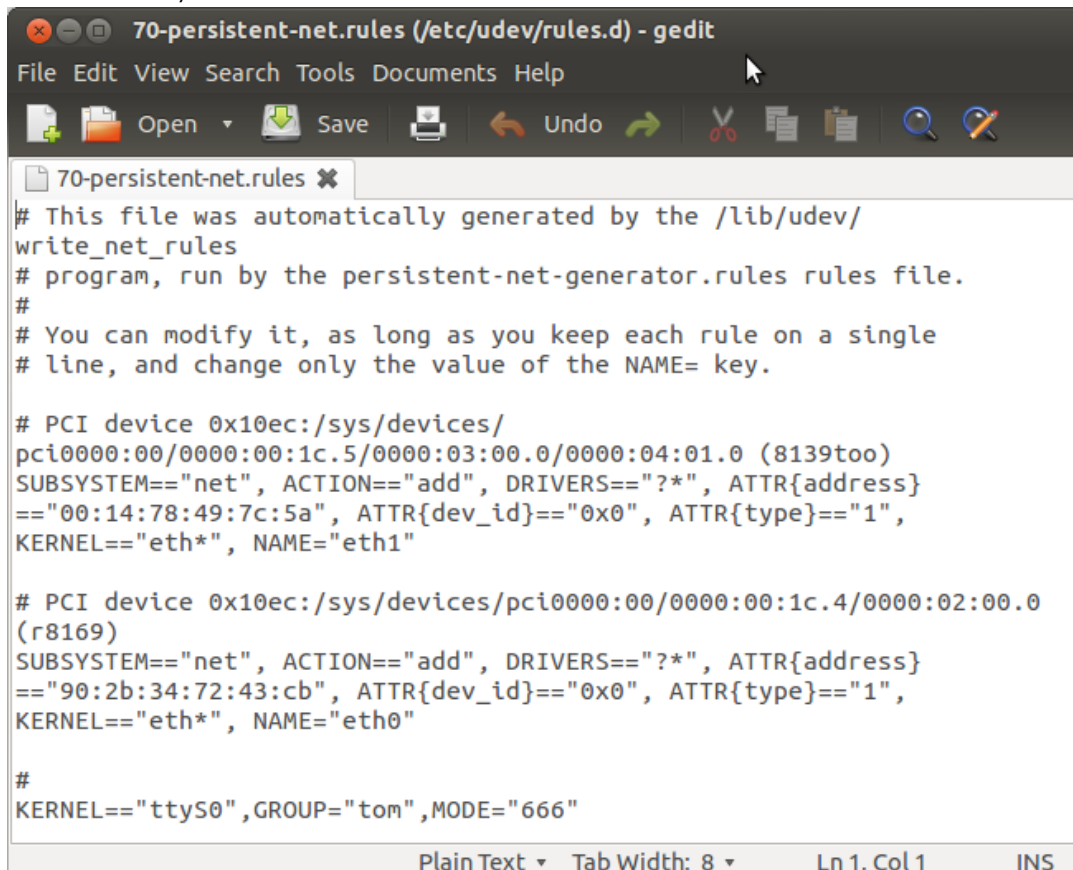
3. Input "sudo gedit /etc/udev/rules.d/70-persistent-net.rules"



```
tom@tom-To-be-filled-by-O-E-M: ~  
tom@tom-To-be-filled-by-O-E-M:~$ sudo gedit /etc/udev/rules.d/70-persistent-net.rules  
[sudo] password for tom:  
tom@tom-To-be-filled-by-O-E-M:~$ sudo gedit /etc/udev/rules.d/70-persistent-net.rules  
tom@tom-To-be-filled-by-O-E-M:~$
```

4. Input in popup as below:

#KERNEL=="ttyS0", GROUP="tom", MODE="666"



```
70-persistent-net.rules (/etc/udev/rules.d) - gedit  
File Edit View Search Tools Documents Help  
Open Save Undo  
# This file was automatically generated by the /lib/udev/  
write_net_rules  
# program, run by the persistent-net-generator.rules rules file.  
#  
# You can modify it, as long as you keep each rule on a single  
# line, and change only the value of the NAME= key.  
  
# PCI device 0x10ec:/sys/devices/  
pci0000:00/0000:00:1c.5/0000:03:00.0/0000:04:01.0 (8139too)  
SUBSYSTEM=="net", ACTION=="add", DRIVERS=="*", ATTR{address}  
=="00:14:78:49:7c:5a", ATTR{dev_id}=="0x0", ATTR{type}=="1",  
KERNEL=="eth*", NAME="eth1"  
  
# PCI device 0x10ec:/sys/devices/pci0000:00/0000:00:1c.4/0000:02:00.0  
(r8169)  
SUBSYSTEM=="net", ACTION=="add", DRIVERS=="*", ATTR{address}  
=="90:2b:34:72:43:cb", ATTR{dev_id}=="0x0", ATTR{type}=="1",  
KERNEL=="eth*", NAME="eth0"  
  
#  
KERNEL=="ttyS0", GROUP="tom", MODE="666"  
Plain Text Tab Width: 8 Ln 1, Col 1 INS
```

- Place Linux driver (GP80_CUPS.tar.gz) in "download" file. Turn on terminal and input commands as below:

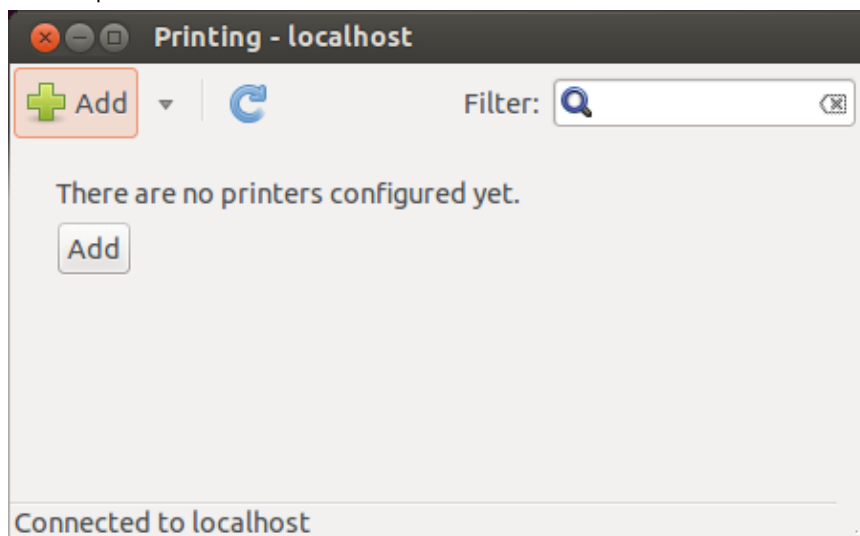
```
tom@tom-To-be-filled-by-0-E-M:~$ ls list out files in current directory
Desktop Downloads Music Public Videos
Documents examples.desktop Pictures Templates
tom@tom-To-be-filled-by-0-E-M:~$ cd Downloads open Downloads file
tom@tom-To-be-filled-by-0-E-M:~/Downloads$ ls list out file contents
GP80_CUPS.tar.gz
tom@tom-To-be-filled-by-0-E-M:~/Downloads$ sudo tar -zxvf GP80_CUPS.tar.gz decompress this driver file
[sudo] password for tom:
gp80120.ppd.gz
gp80220iii.ppd.gz
gp80220ii.ppd.gz
gp80250iii.ppd.gz
gp80250ii.ppd.gz
gp80250.ppd.gz
rastertogpt
readme.txt
setup
tom@tom-To-be-filled-by-0-E-M:~/Downloads$ su root enter user's high authority mode
Password: enter password
root@tom-To-be-filled-by-0-E-M:/home/tom/Downloads# ls list out file contents
gp80120.ppd.gz gp80250iii.ppd.gz GP80_CUPS.tar.gz setup
gp80220iii.ppd.gz gp80250ii.ppd.gz rastertogpt
gp80220ii.ppd.gz gp80250.ppd.gz readme.txt
root@tom-To-be-filled-by-0-E-M:/home/tom/Downloads# ./setup run the driver installation program
GAINSCHA
gptcpsdrv-2.4.0 installer
-----
Models included:
    GP-80220II
    GP-80220III
    GP-80250
    GP-80250II
    GP-80250III
    GP-80120

./setup: 18: [: Illegal number:
Searching for ServerRoot, ServerBin, and DataDir tags in /etc/cups/cupsd.conf
ServerBin tag not present in cupsd.conf - using default
DataDir tag not present in cupsd.conf - using default
ServerRoot = Driver has been installed if below words appeared
ServerBin =
DataDir =

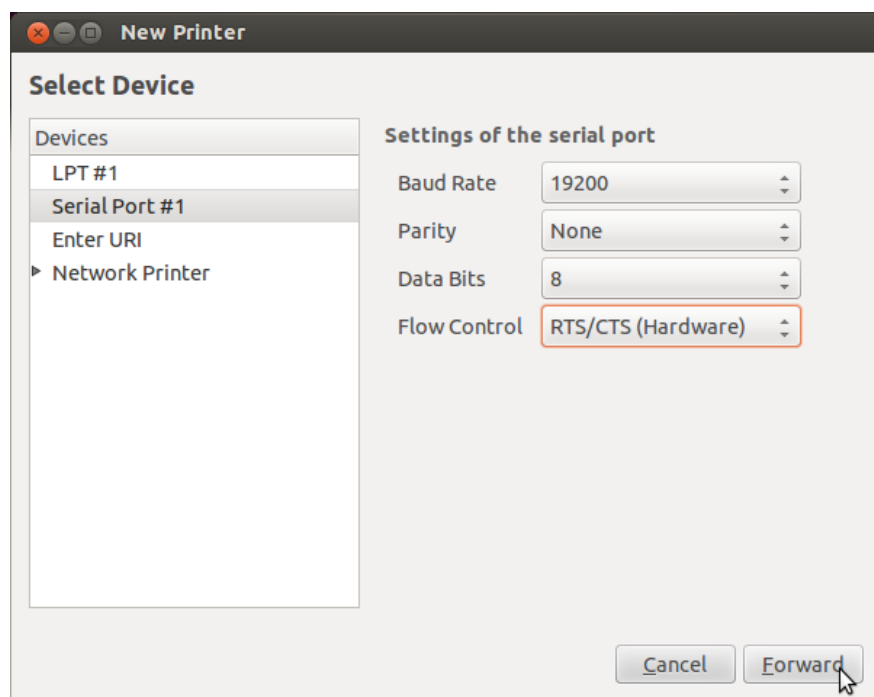
Copying rastertogpt filter to /usr/lib/cups/filter
Copying model ppd files to //usr/share/cups/model/gainscha

Restarting CUPS
Rather than invoking init scripts through /etc/init.d, use the service(8)
utility, e.g. service cups stop
```

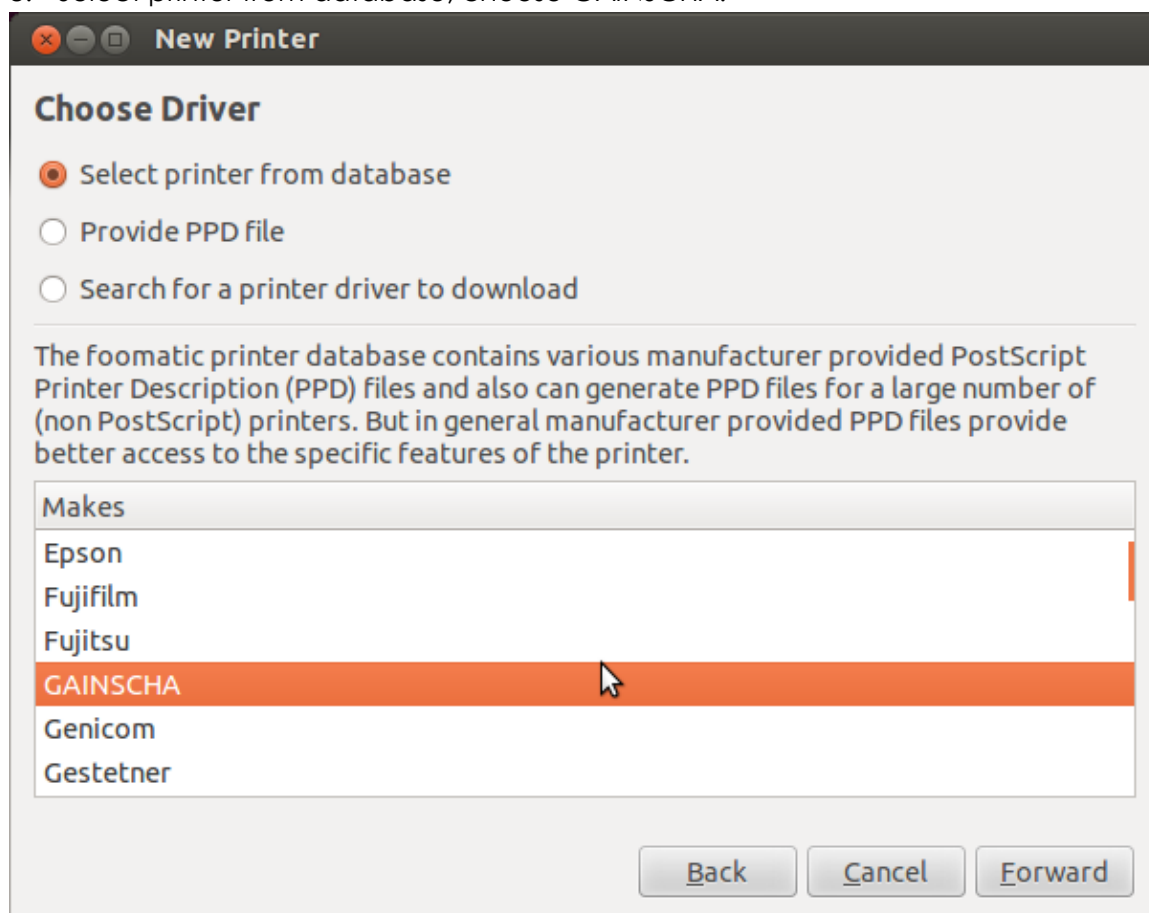
- Add a new printer.



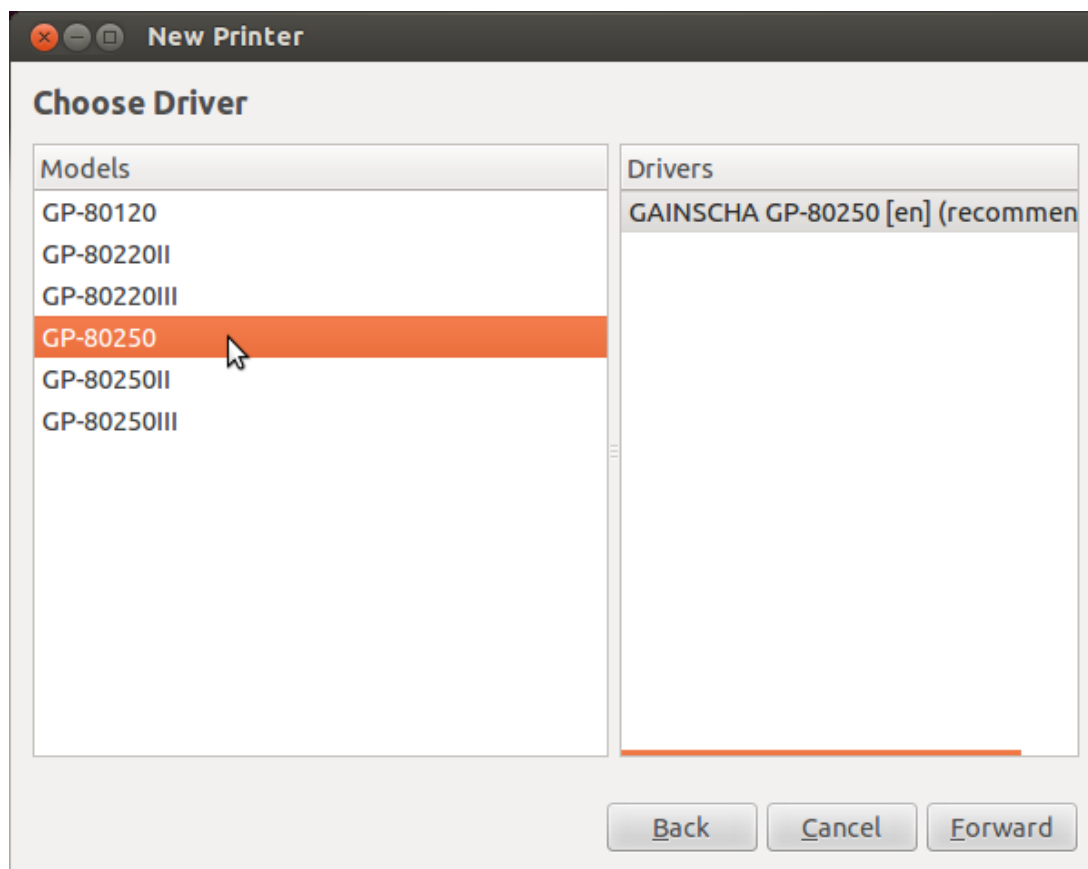
7. Select Serial Port #1



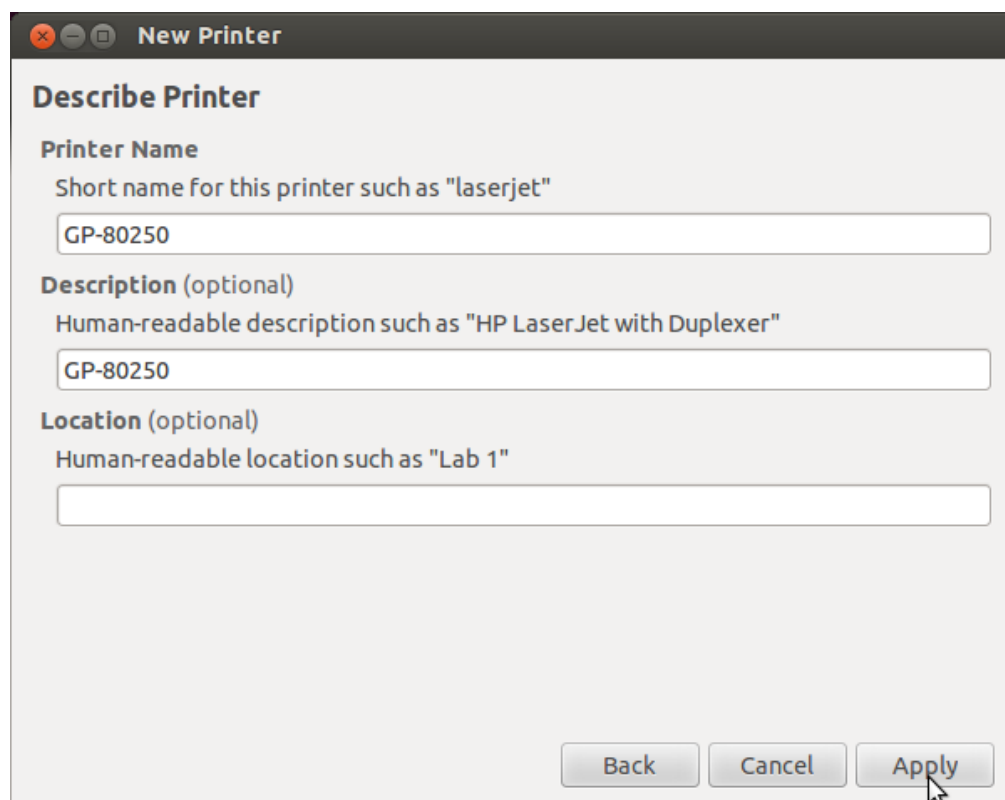
8. Select printer from database, choose GAINSCHA.



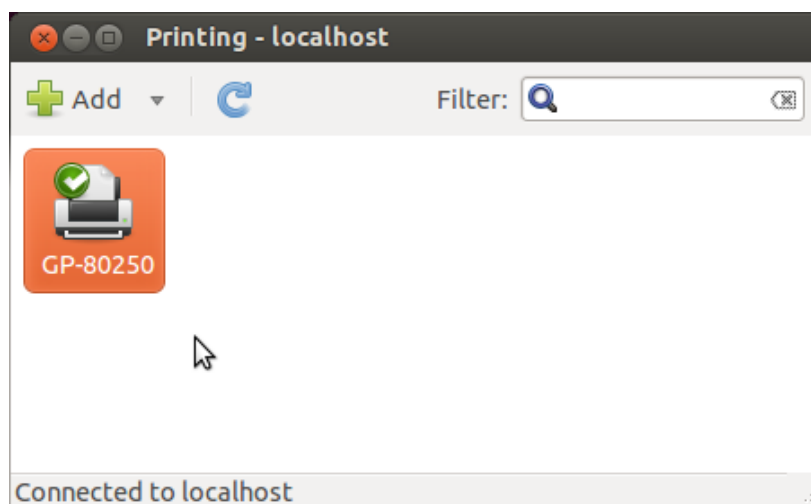
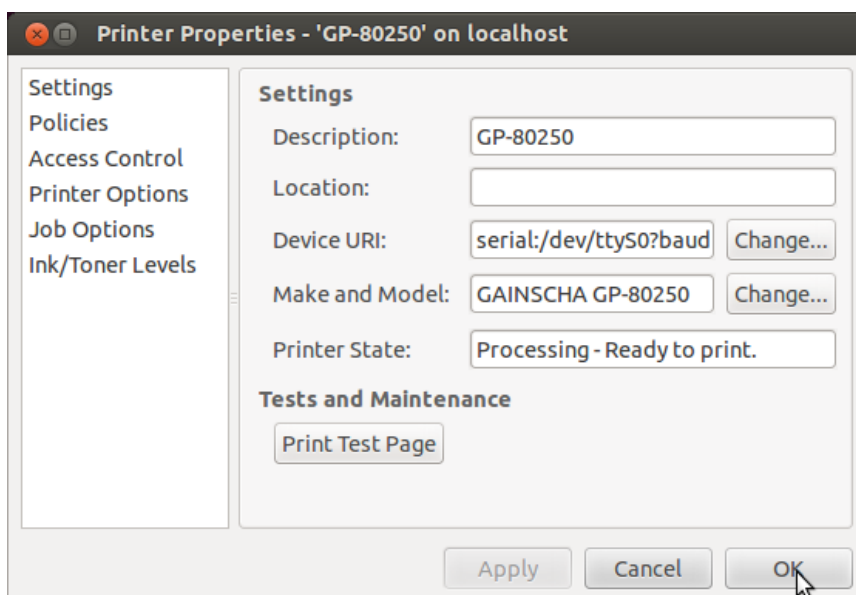
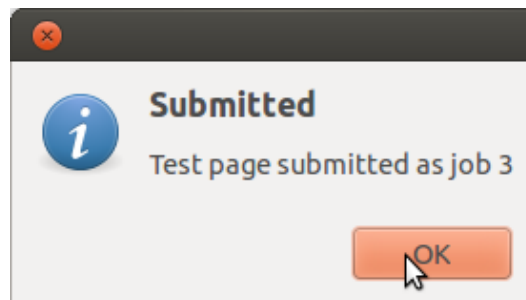
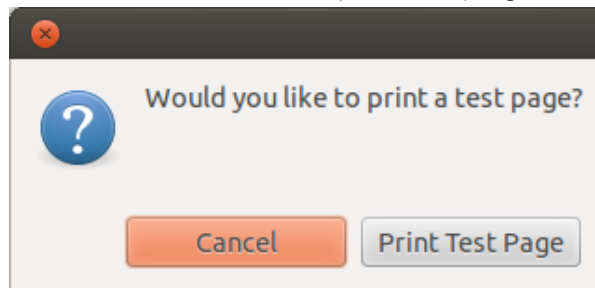
9. Select one model.



10. Describe your new printer

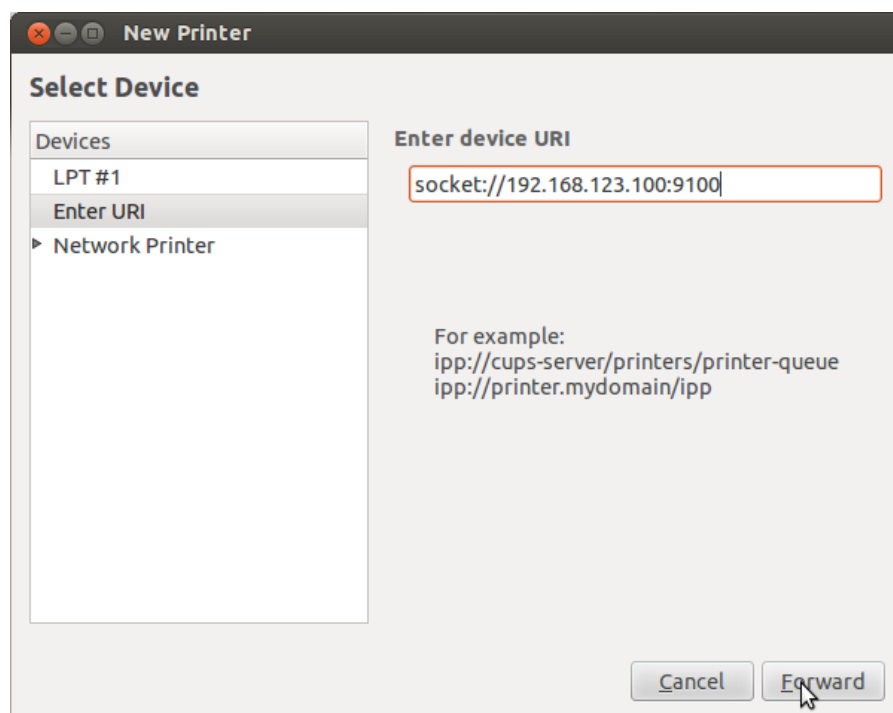


11. The driver has been installed successfully if a test page was printed out.

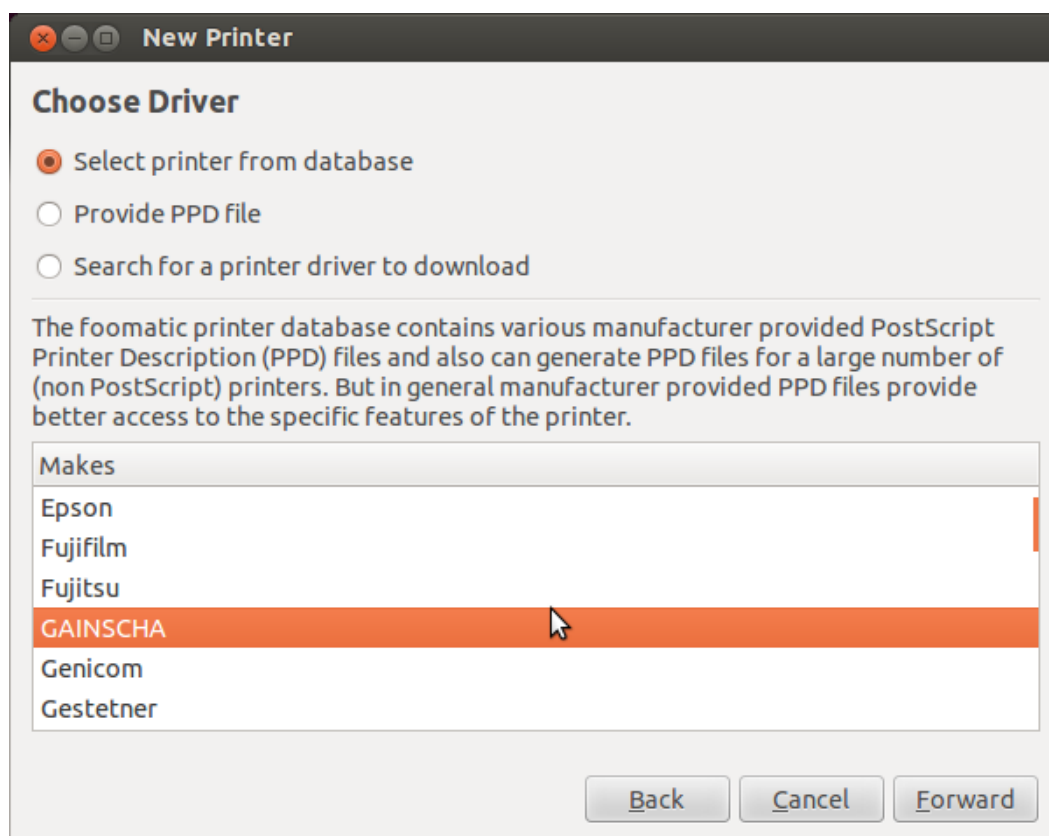


If connected with Ethernet port

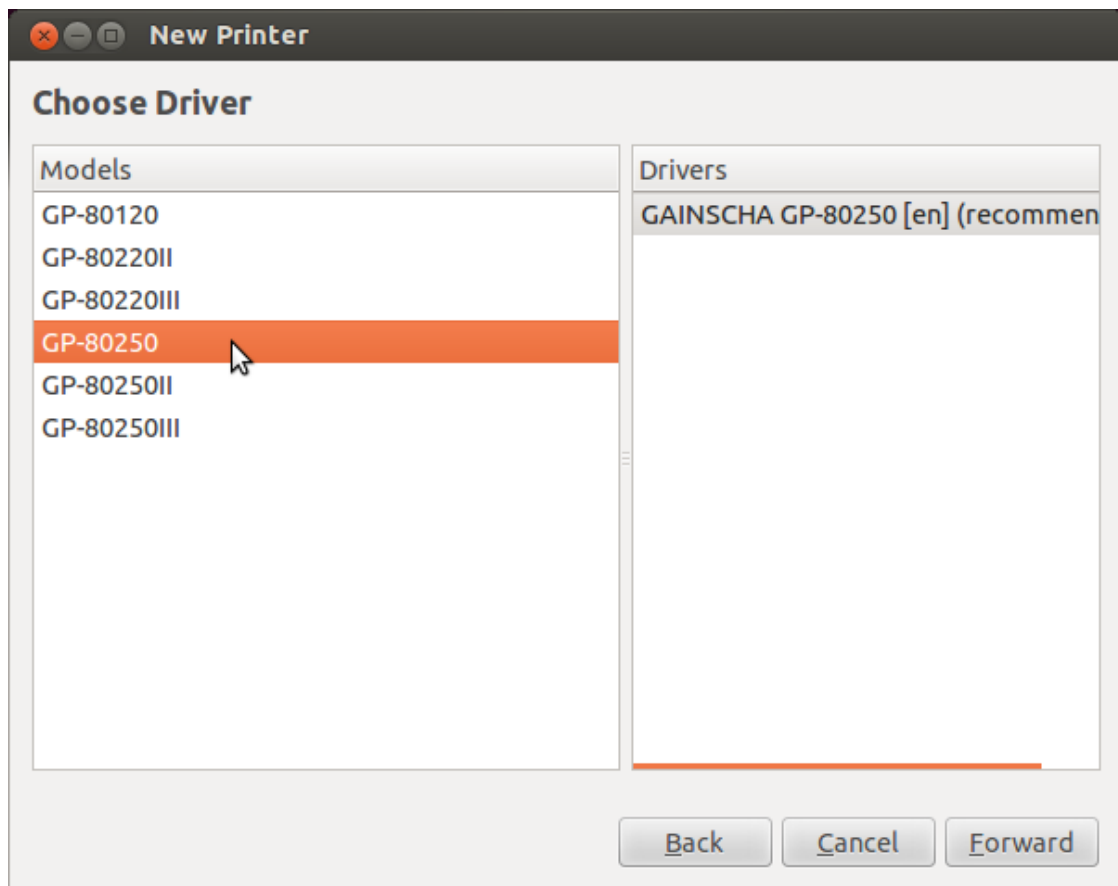
12. Select "Enter URI", input printer IP.



13. Select printer from database, choose GAINSCHA



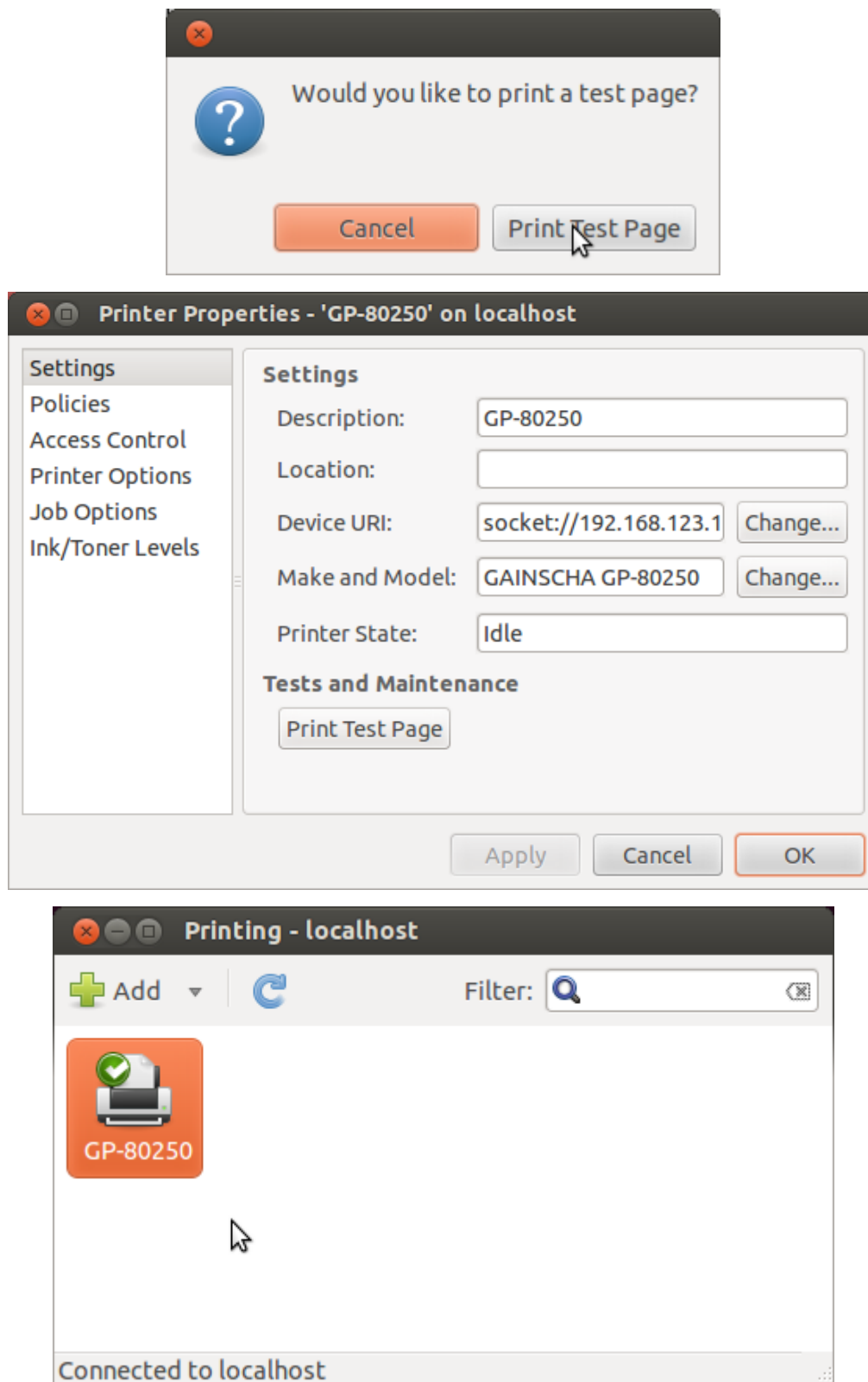
14. Choose a model.



15. Describe your printer

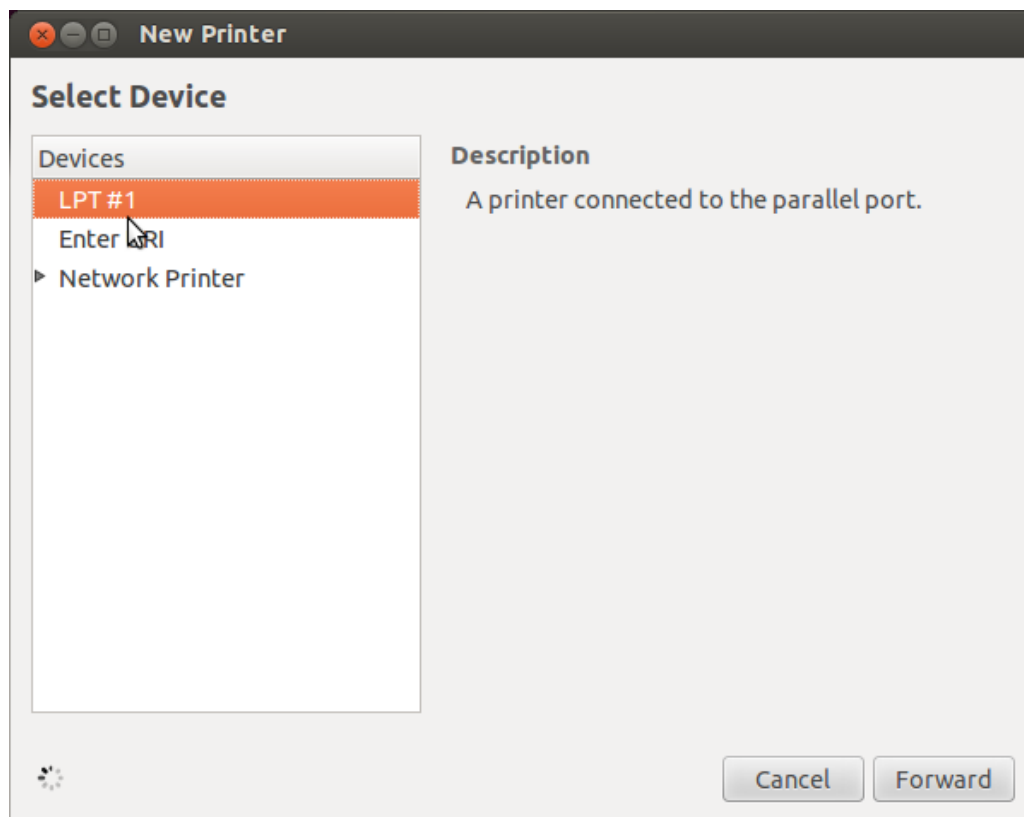
The screenshot shows the "Describe Printer" tab of the "New Printer" window. It contains three sections: "Printer Name" with a text box containing "GP-80250"; "Description (optional)" with a text box containing "GP-80250"; and "Location (optional)" with an empty text box. At the bottom are "Back", "Cancel", and "Apply" buttons, with a mouse cursor pointing at the "Apply" button.

16. The driver has been installed successfully if a test page was printed out.

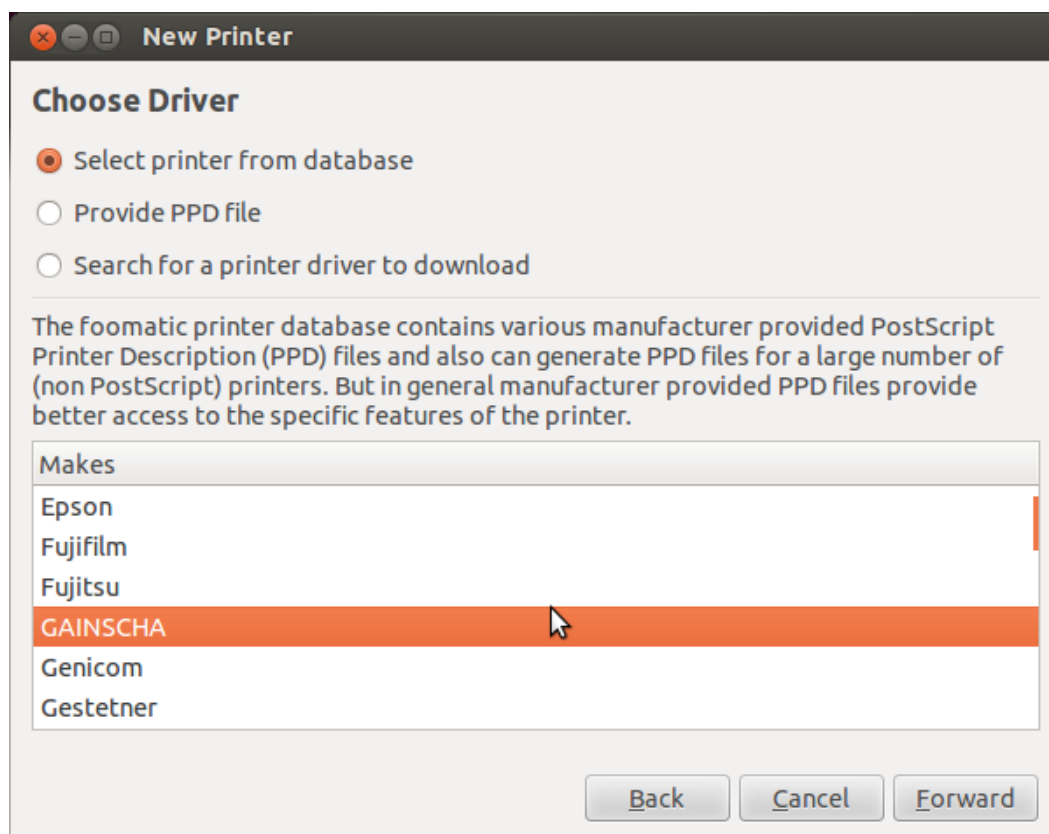


If connected with Parallel port

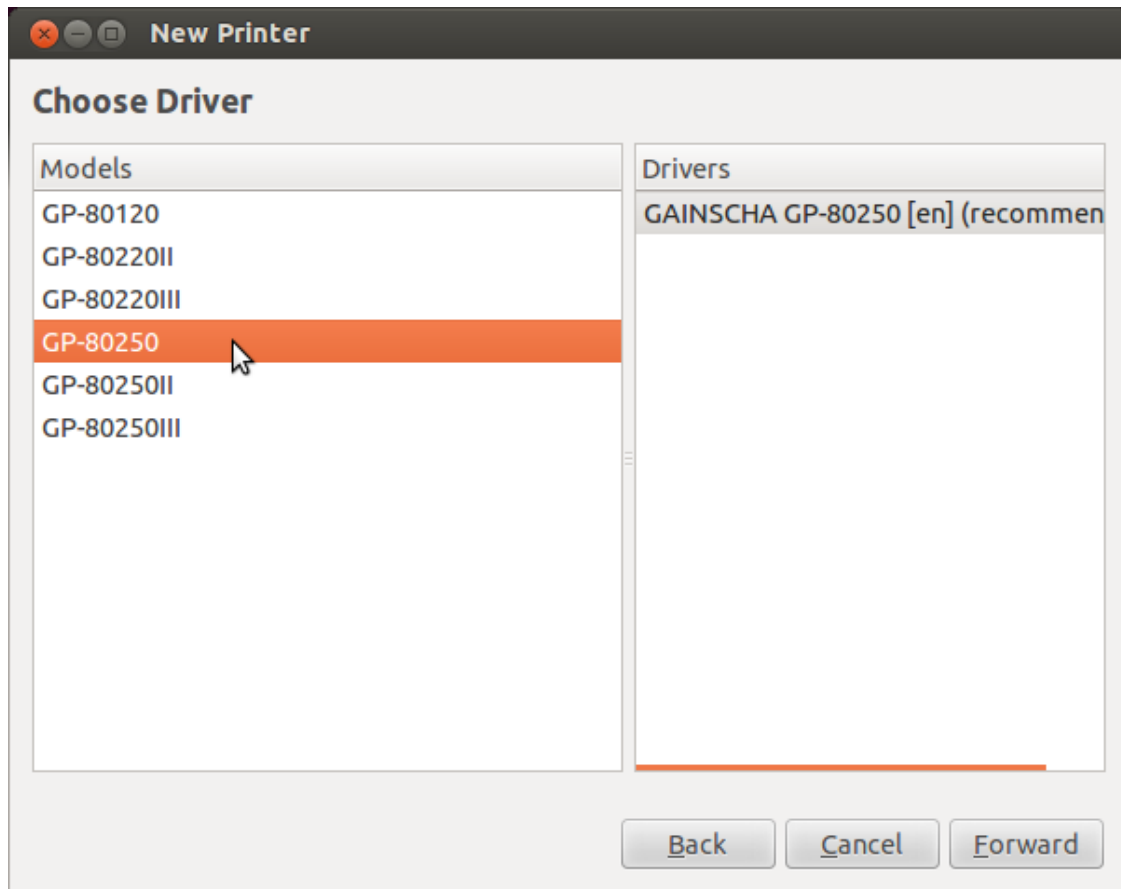
17. Select LPT#1



18. Select printer from database, choose GAINSCHA



19. Choose a model



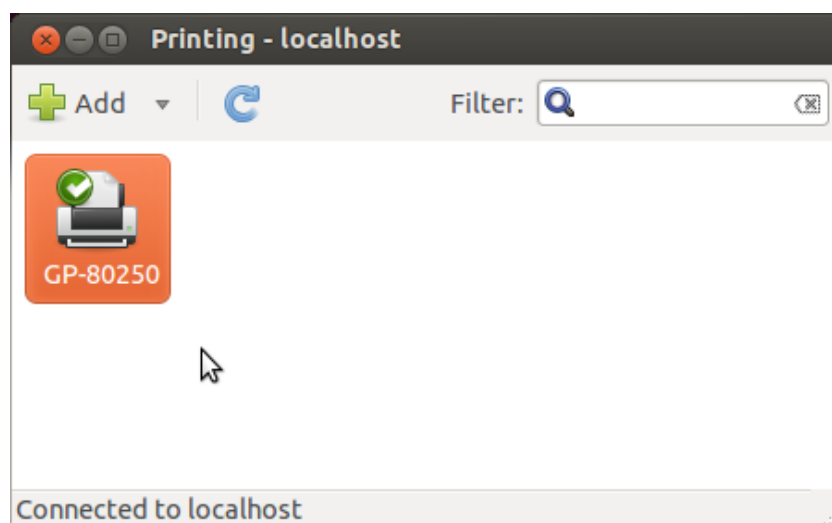
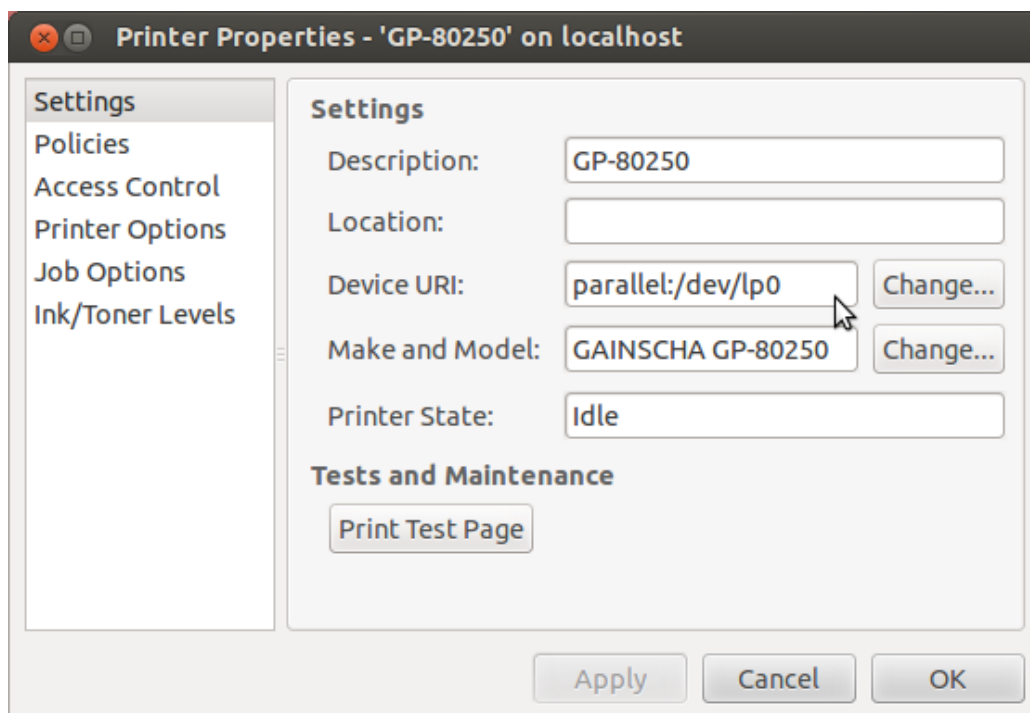
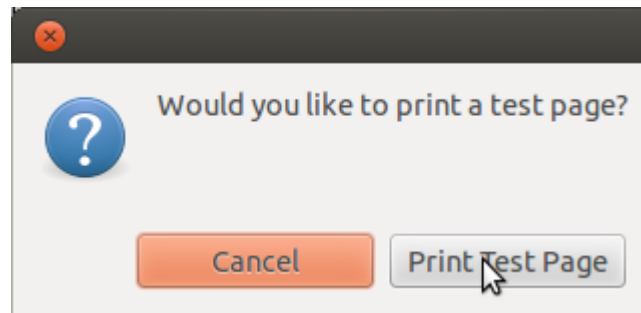
20. Describe your printer

The screenshot shows a window titled "New Printer" with a tab labeled "Describe Printer". The window contains three input fields with labels and instructions:

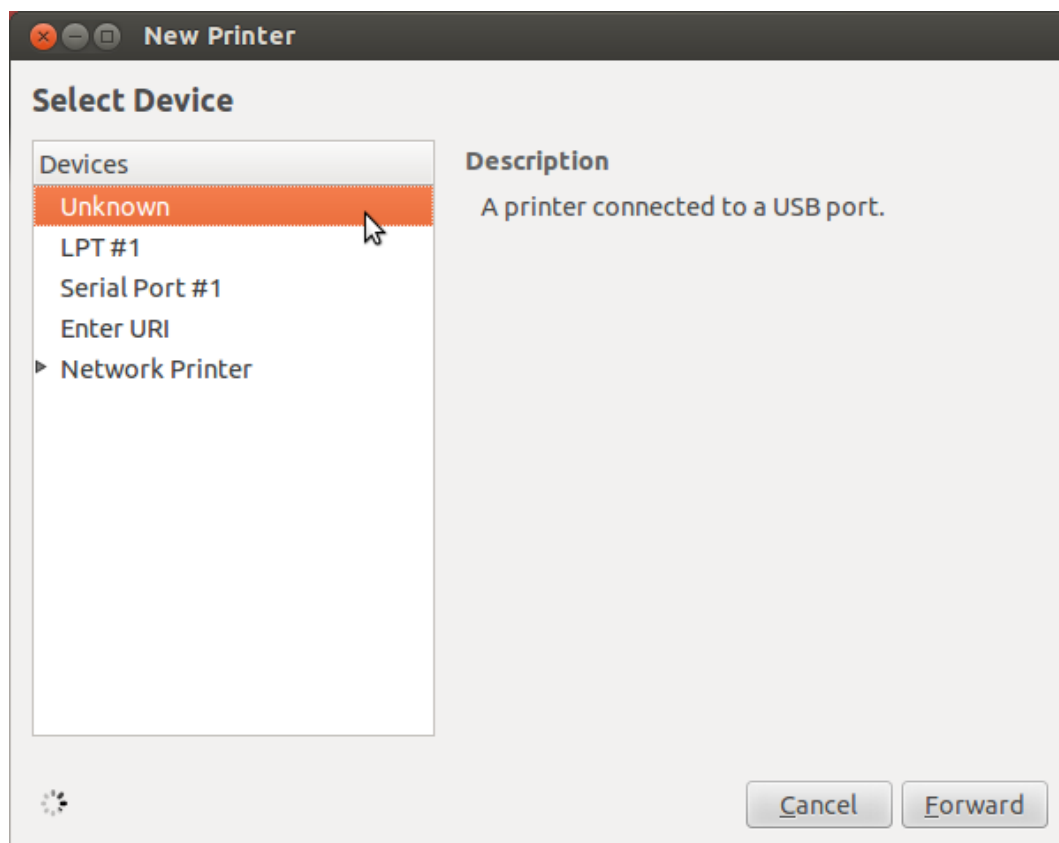
- Printer Name**: Short name for this printer such as "laserjet". The input field contains "GP-80250".
- Description (optional)**: Human-readable description such as "HP LaserJet with Duplexer". The input field contains "GP-80250".
- Location (optional)**: Human-readable location such as "Lab 1". The input field is empty.

At the bottom of the window, there are three buttons: "Back", "Cancel", and "Apply". A mouse cursor is pointing at the "Apply" button.

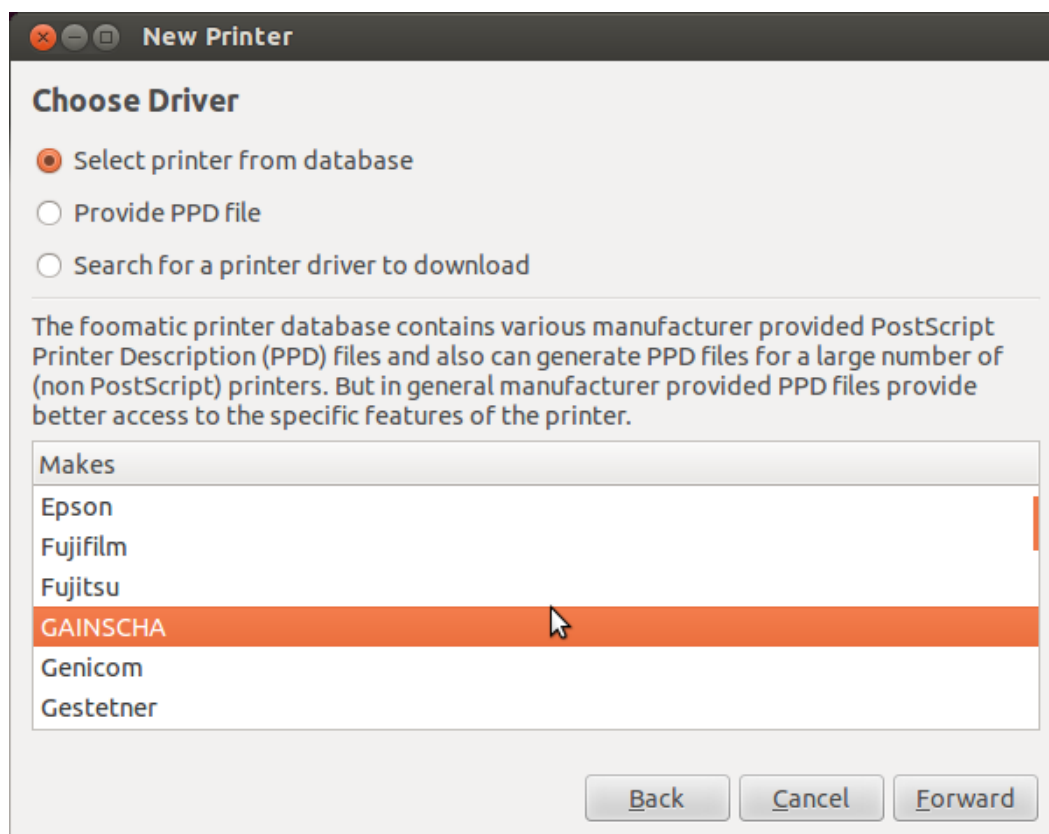
21. The driver has been installed successfully if a test page was printed out.



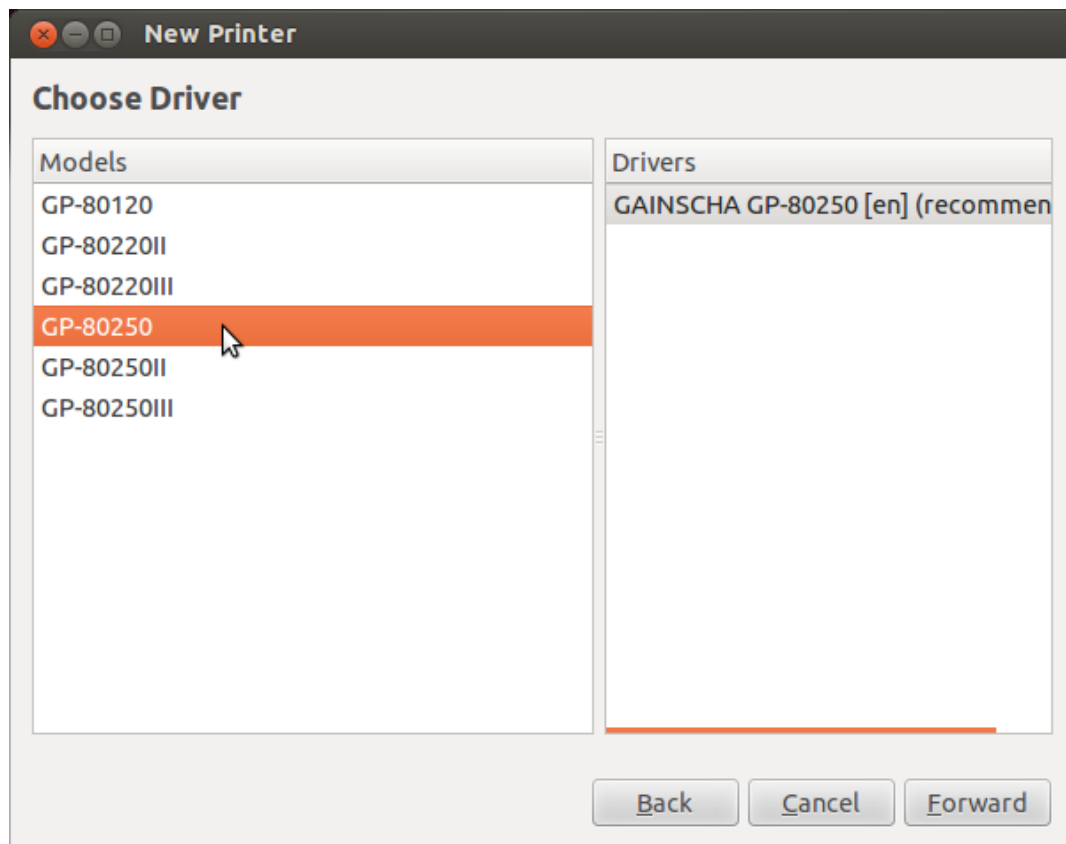
22. If connected with USB port



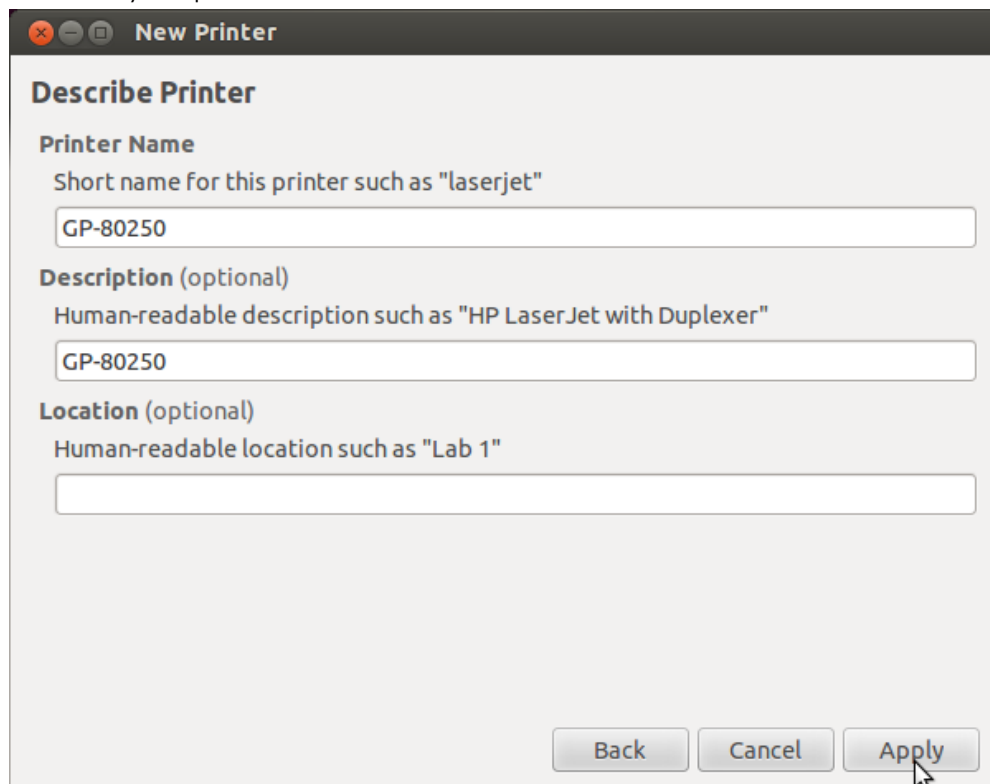
23. Select printer from database, choose GAINSCHA



24. Choose a model



25. Describe your printer



26. The driver has been installed successfully if a test page was printed out.

