Install Drivers for Canon IP2600 Printer on Ubuntu 12.04

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Many could install Canon IP2600 driver on their Linux system with the files **"cnijfilter-common_2.90-1_i386.deb"** and "**cnijfilter-ip2600series_2.90-1_i386.deb"** from http://support-asia.canon-asia.com. But on Ubuntu 12.04 (and higher) this not possible anymore.

Due to packages dependencies the driver will not install on your system and your printer will not work. When executing the packages, they will check if **libcupsys2** is installed on your system, but this is replaced by **libcup2** on Ubuntu 12.04 and higher.
However, tweaking the packages you will be able to have the drivers installed!

In this tutorial I will provide you the codes to tweak the package by using the terminal or by running the codes in a shell script. Both are almost identical.

Tweak the package by terminal

. Open Terminal by pressing [Ctrl + Alt + T]
. Change Directory to Downloads

```
cd /home/$USER/Downloads/
```

. Download the drivers (2 files)

```
wget http://gdlp01.c-wss.com/gds/9/0100001189/01/cnijfilter-common_2.90-1_i386.deb

wget http://gdlp01.c-wss.com/gds/1/0100001191/01/cnijfilter-ip2600series_2.90-1_i386.deb
```

. Extract the Debian package with File Roller archive Manager

```
file-roller -h cnijfilter-common_2.90-1_i386.deb

file-roller -h cnijfilter-ip2600series_2.90-1_i386.deb
```

. Adjust the Packages Dependencies

```
sed -i 's/libcupsys2 (>= 1.2.1)/libcupsys2 (>= 1.2.1) | libcups2/g' /home/jeffrey/Downloads/cnijfilter-common_2.90-1_i386/DEBIAN/control

sed -i 's/libcupsys2 (>= 1.2.1)/libcupsys2 (>= 1.2.1) | libcups2/g' /home/jeffrey/Downloads/cnijfilter-ip2600series_2.90-1_i386/DEBIAN/control
```

. Rebuilding Package
To distinguish the original from the modified package I have add the string "_mod" before the extension (.deb) . After you execute this command or script you will have four packages in your downloads folder

```
cd /home/$USER/Downloads/cnijfilter-common_2.90-1_i386
```

```
dpkg-deb -b . ../cnijfilter-common_2.90-1_i386_mod.deb

cd /home/$USER/Downloads/cnijfilter-ip2600series_2.90-1_i386

dpkg-deb -b . ../cnijfilter-ip2600series_2.90-1_i386_mod.deb
```

. Removing temporary files

```
rm -rf /home/$USER/Downloads/cnijfilter-common_2.90-1_i386

rm -rf /home/$USER/Downloads/cnijfilter-ip2600series_2.90-1_i386
```

. Installing Packages

```
cd /home/$USER/Downloads

sudo dpkg -i cnijfilter-common_2.90-1_i386_mod.deb

sudo dpkg -i cnijfilter-ip2600series_2.90-1_i386_mod.deb
```

. Plug your Printer
Your Printer should install by plug and play. If not, install it manually.

Tweak the packages by Shell Script

. Open a text editor
. Copy the codes below to the text editor

```
#!/bin/sh
echo password | sudo -S ls /tmp

clear

cd /home/$USER/Downloads/

if [ ! -f "/home/$USER/Downloads/cnijfilter-common_2.90-1_i386.deb" ]; then
    wget http://gdlp01.c-wss.com/gds/9/0100001189/01/cnijfilter-common_2.90-
1_i386.deb
fi

if [ ! -f "/home/$USER/Downloads/cnijfilter-ip2600series_2.90-1_i386.deb" ]; then
    wget http://gdlp01.c-wss.com/gds/1/0100001191/01/cnijfilter-ip2600series_2.90-
1_i386.deb
fi

file-roller -h cnijfilter-common_2.90-1_i386.deb
file-roller -h cnijfilter-ip2600series_2.90-1_i386.deb

sed -i 's/libcupsys2 (>= 1.2.1)/libcupsys2 (>= 1.2.1) | libcups2/g'
/home/jeffrey/Downloads/cnijfilter-common_2.90-1_i386/DEBIAN/control
sed -i 's/libcupsys2 (>= 1.2.1)/libcupsys2 (>= 1.2.1) | libcups2/g'
```

```
/home/jeffrey/Downloads/cnijfilter-ip2600series_2.90-1_i386/DEBIAN/control

cd /home/$USER/Downloads/cnijfilter-common_2.90-1_i386
dpkg-deb -b . ../cnijfilter-common_2.90-1_i386_mod.deb
cd /home/$USER/Downloads/cnijfilter-ip2600series_2.90-1_i386
dpkg-deb -b . ../cnijfilter-ip2600series_2.90-1_i386_mod.deb

rm -rf /home/$USER/Downloads/cnijfilter-common_2.90-1_i386
rm -rf /home/$USER/Downloads/cnijfilter-ip2600series_2.90-1_i386

cd /home/$USER/Downloads
sudo dpkg -i cnijfilter-common_2.90-1_i386_mod.deb
sudo dpkg -i cnijfilter-ip2600series_2.90-1_i386_mod.deb
```

. Replace the word **password** in the second line with your current password
. Save the file with a name terminating with the extension .sh, Example:
CanonIP2600Driver.sh
. Make the shell file executable
    Right click the file
    Click properties
    Click on the Tab Permission on the [Filename] Properties window
    Check "Allow executing file as program".
    Click Close
. Double click the shell file and click **"run in terminal"** or **"Run"** when prompt to run the shell file.
. Plug your Printer
Your Printer should install by plug and play. If not, install it manually.

Sources
http://ubuntuforums.org/showthread.php?p=5337771:
http://support-asia.canon-asia.com/P/search?model=PIXMA+iP2680&menu=download&filter=0&tagname=g_os&g_os=Linux

Support
Support is available from Monday – Sunday by e-mail at support@ppsolution.net
In some cases we will answer within 36 hours and for some cases we will charge a service charge.