

Download for Installing or Upgrade of CUPS on Linux

These instructions should only be necessary if your Linux OS does not already have a CUPS driver available or a new version is required. The intent of these instructions is only to share experience and provide guidance. They are not meant to imply that Zebra will support CUPS driver upgrade or installation.

The CUPS driver built in to the OS can be started by accessing the Linux browser and typing either:

127.0.0.1:631

OR

LOCAL HOST:631

If prompted for a username and password, use the name “root” and your root password.

The example below was made in Red Hat with the 1.4.2 CUPS driver version. This example can also be applied to other versions of the CUPS driver and to other versions of Linux such as (Red Hat, SUSE, or UBUNTU).

To install you need gzip and root access.

Step 1:

Logged in as Root, download the latest CUPS driver and save it to the “/tmp” directory.

Step 2:

Open a Terminal and navigate to the tmp directory by typing in

```
cd /tmp
```

then get a directory listing with the command:

```
ls
```

A list of the folders content will show up and among the listing you should see a file by the CUPS driver you downloaded. (If you saved the file elsewhere, you can run the installation from the directory you saved it in. Simply switch to

that directory and follow the rest of the instructions.) For this example, we will use the name of the “[cups-1.4.2-source.tar.gz](#)”

To decompress this file type in:

```
gzip -cd cups-1.4.2.tar.gz | tar xpvf -
```

It may also be possible just to double click the file. This decompresses the file to the current directory, creating a /cups-1.4.2/ folder in the current directory. Change to this folder by typing in:

```
cd cups-1.4.2
```

To install CUPS, enter the following, followed by an [Enter] after the previous command has completed. (This assumes your Linux includes its own compiler. If not you will need to find one. Zebra does not support, recommend or provide a Linux compiler)

```
./configure (configures the installation script)
make (compiles CUPS program files)
make install (copies CUPS to proper system directories)
/usr/sbin/cupsd (restarts CUPS service)
```

Note – if an error occurs typing ‘make’ it may be necessary to chmod changing permissions of “/usr/share/locale”

If make install is not permitted try sudo “make install” to assign rights for the command.

If /usr/sbin/cupsd says permission denied try: sudo /usr/sbin/cupsd then retype /usr/sbin/cupsd

This will complete the installation process.

If you are upgrading an existing driver version and you have completed the steps above but the previous version of the driver is still displayed after restarting CUPS:

Some LINUX CUPS packages don't install the CUPS documentation/web interface files in the standard location. Your cupsd.conf file is likely pointing to the old location

Before accessing the cupsd.conf file you first need to stop the CUPS Service

Enter the following command:

```
sudo /etc/init.d/cups stop
```

A message should display “cups: stopped scheduler.”

Now you can access the cupsd.conf file by entering:

```
sudo gedit /etc/cups/cupsd.conf
```

A standard install puts the documentation/web interface files in /usr/share/doc/cups. Some distros change this to /usr/share/doc/cups-<version>...

With the configuration file open find the entry:

```
#DocumentRoot Line  
DocumentRoot /usr/share/doc/cups
```

Change the entry to match the location of the documentation/web interface files for your distro.

For Example:

```
/usr/share/doc/cups-<version>...
```

Save the file.

Next use the following command to restart the Service

```
sudo /etc/initd/cups start
```

A message should display “cups: started scheduler.”

One final step that may be necessary is to clear cash in your browser.

For Firefox choose Edit > Preferences then “clear all current history”

Note: As confirmed with Apple, the only way to upgrade from 1.3 to 1.4 CUPS on a MAC is to upgrade the MAC OS from Leopard to Snow Leopard (v10.06). The only way to upgrade between 1.4.# versions of CUPS is to download and apply the available MAC Upgrades from Apple.

Updates to UBUNTU and SUSE Enterprise are not moving the CUPS version.