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How to install PC-Link readers on Linux

(Example for Ubuntu/Debian systems).

1. Open a root terminal window; you need to have administrator rights.

Get and install the libusb library with the apt-get command:

apt-get install libusb-dev libusb++-0.1-4c2

Check the installation: You shall find the library libusb.so under the directory /usr/lib/

2. Download and install the libccid package:

apt-get install libccid

3. Download and install the pcsc-lite package:

apt-get install pcscd

4. Check that the pcscd service is running:

In the terminal console, run the command ps –A.
You should find a "pcscd" process running in the list displayed

5. Download and install libpcsclite1:

apt-get install libpcsclite1

6. Download and install libpcsclite-dev:

apt-get install libpcsclite-dev

7. Check whether the PC Link reader is detected:

In the terminal, run the command: lsusb, you should get the following view :

your_system_name:/tmp# lsusb
Bus 001 Device 006: ID 08e6:3437 Gemplus GemPC Key SmartCard Reader Bus 001 Device 005: ID 0e0f:0002 Bus 001 Device 001: ID 0000:0000

Example: PC Key reader.

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8. You can install some tools to check your PCSC installation:

- Download and install libpcsc-perl:

  `apt-get install libpcsc-perl`

- Download pcsctools:

  `apt-get install pcsc-tools`

PCSC-tools provides several interesting applications
(full information is available here: http://ludovic.rousseau.free.fr/softwares/pcsc-tools/):
- pcsc_scan
Regularly scans every PC/SC reader connected to the host. If a card is inserted or removed a "line" is printed.

- ATR_analysis:
Perl script used to parse the smart card ATR. This script is called (by default) by pcsc_scan.

- Scriptor:
Perl script to send commands to a smart card using a batch file or stdin.