

libusb Installation Instructions



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1 Introduction

libusb is a C library that gives applications easy access to USB devices on many different operating systems. This document covers the installation instructions of libusb.

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3 Installation Instructions

3.1 Package Download

 Download the latest libusb from http://sourceforge.net/projects/libusb/files/latest/download?source-files

3.2 Installation of Libusb

To install the Libusb follow the below instructions

1. Untar the file using

tar -xvf libusb-1.0.20.tar.bz2

2. Open terminal and navigate to appropriate directory

```
Terminal — + x

File Edit View Search Terminal Help

bash: /home/linuxmint/perl5/perlbrew/etc/bashrc: No such file or directory
linuxmint@LINUXMINT ~ $ sudo su
[sudo] password for linuxmint:
LINUXMINT linuxmint # cd Desktop/libusb-1.0.20/
LINUXMINT libusb-1.0.20 #
```

3. Run **configure** command

```
Terminal
File Edit View Search Terminal Help
bash: /home/linuxmint/perl5/perlbrew/etc/bashrc: No such file or directory
linuxmint@LINUXMINT ~ $ sudo su
[sudo] password for linuxmint:
 INUXMINT linuxmint # cd Desktop/libusb-1.0.20/
INUXMINT libusb-1.0.20 # ./configure
checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p... /bin/mkdir -p
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking whether make supports nested variables... yes
checking whether to enable maintainer-specific portions of Makefiles... no
checking whether make supports nested variables... (cached) yes
checking for gcc... gcc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
```

4. Run make command to build libusb

```
Terminal
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                                               * Terminal
Terminal
                                                                                                   ×
bash: /home/linuxmint/perl5/perlbrew/etc/bashrc: No such file or directory
linuxmint@LINUXMINT ~ $ sudo su
[sudo] password for linuxmint:
 LINUXMINT linuxmint # cd Desktop/libusb-1.0.20/
LINUXMINT libusb-1.0.20 # make
make all-recursive
make[1]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20'
Making all in libusb
make[2]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20/libusb'
make[3]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20/libusb'
make[3]: Nothing to be done for `all-am'.
make[3]: Leaving directory `/home/linuxmint/Desktop/libusb-1.0.20/libusb'
make[2]: Leaving directory `/home/linuxmint/Desktop/libusb-1.0.20/libusb'
Making all in doc
make[2]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20/doc'
make[2]: Nothing to be done for `all'.
make[2]: Leaving directory `/home/linuxmint/Desktop/libusb-1.0.20/doc'
make[2]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20'
make[2]: Leaving directory `/home/linuxmint/Desktop/libusb-1.0.20'
make[1]: Leaving directory_`/home/linuxmint/Desktop/libusb-1.0.20'
        INT libusb-1.0.20 #
```

5. Install LibUsb using make install command

```
File Edit View Search Terminal Tabs Help
                                           ★ Terminal
Terminal
bash: /home/linuxmint/perl5/perlbrew/etc/bashrc: No such file or directory
linuxmint@LINUXMINT ~ $ sudo su
[sudo] password for linuxmint:
Sorry, try again.
[sudo] password for linuxmint:
   NUXMINT linuxmint # cd Deskton/libush-1.0.20/
          libusb-1.0.20 # make install
Making install in libusb
make[1]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20/libusb'
make[2]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20/libusb'
make[3]: Entering directory `/home/linuxmint/Desktop/libusb-1.0.20/libusb'
 /bin/mkdir -p '/usr/local/lib'
 /bin/bash ../libtool --mode=install /usr/bin/install -c libusb-1.0.la '/u
sr/local/lib'
libtool: install: /usr/bin/install -c .libs/libusb-1.0.so.0.1.0 /usr/local/lib
 /libusb-1.0.so.0.1.0
libtool: install: (cd /usr/local/lib && { ln -s -f libusb-1.0.so.0.1.0 libusb-
1.0.so.0 || { rm -f libusb-1.0.so.0 && ln -s libusb-1.0.so.0.1.0 libusb-1.0.so
.0; }; })
libtool: install: (cd /usr/local/lib && { ln -s -f libusb-1.0.so.0.1.0 libusb-
1.0.so || { rm -f libusb-1.0.so && ln -s libusb-1.0.so.0.1.0 libusb-1.0.so; };
libtool: install: /usr/bin/install -c .libs/libusb-1.0.lai /usr/local/lib/libu
```

6. Check libusb.h file is available in path /usr/local/include/libusb-1.0. If file is available then libusb installation was success.

3.3 FAQ (Frequently asked Questions)

1. Error: libusb.h: No such file or directory.

Answer: To resolve this error need to specify include path of the libusb-1.0 in make file Libusb.h header file will be available in /usr/local/include/libusb-1.0

2. Error: 'libusb_get_port_numbers' was not declared in this scope

Answer: If older version of Libusb is installed then it will throw 'libusb_get_port_numbers' error. To resolve this error, install latest libusb.