

Build ILCoin Source Code

06th July 2020

OVERVIEW

ILCoin is a modern alternative to Bitcoin using a SHA-256 encryption. ILCoin is a cryptocurrency that is not dependent on the present banking system and has its own independent value.

GOALS

1. Build the ILCoin Source Code in the operative systems: debian and ubuntu.

SPECIFICATIONS

1. Install BerkeleyDB 4.8

Download: <http://download.oracle.com/berkeley-db/db-4.8.30.NC.tar.gz>

Execute this commands over the principal path.

- `tar -xvzf db-4.8.30.NC.tar.gz`
- `cd db-4.8.30.NC/build_unix`
- `../dist/configure --enable-cxx`
- `make`
- `make install`

Execute this commands.

- `export BDB_INCLUDE_PATH="/usr/local/BerkeleyDB.4.8/include"`
- `export BDB_LIB_PATH="/usr/local/BerkeleyDB.4.8/lib"`
- `sudo ln -s /usr/local/BerkeleyDB.4.8/lib/libdb-4.8.so /usr/lib/libdb-4.8.so`
- `sudo ln -s /usr/local/BerkeleyDB.4.8/lib/libdb_cxx-4.8.so /usr/lib/libdb_cxx-4.8.so`

2. Build ILCoin Debian/Ubuntu

a. Dependencies library

Execute this commands over the principal path.

- `sudo apt-get install build-essential libtool autotools-dev automake pkg-config libssl-dev libevent-dev bsdmainutils`
- `sudo apt-get install libboost-system-dev libboost-filesystem-dev libboost-chrono-dev libboost-program-options-dev libboost-test-dev libboost-thread-dev`
- `sudo apt-get install software-properties-common`
- `sudo apt-get install libminiupnpc-dev`
- `sudo apt-get install libzmq3-dev`
- `apt install libssl-dev (Ubuntu 18+)`
- `apt install libevent-dev (Ubuntu 18+)`
- `sudo apt-get update`

b. Make and install

Execute this commands over the principal path.

- `./autogen.sh`
- `./configure CPPFLAGS="-I/usr/local/BerkeleyDB.4.8/include -O2" LDFLAGS="-L/usr/local/BerkeleyDB.4.8/lib"`
- `make`
- `make install`