pooler/cpuminer: CPU miner for Litecoin and Bitcoin

github.com/pooler/cpuminer

pooler

pooler/**cpuminer**

CPU miner for Litecoin and Bitcoin

19 Contributors

17 Issues

3k Stars

1k Forks

Failed to load latest commit information.

compat.h

Oct 4, 2013

configure.ac

Jun 25, 2020

cpu-miner.c

Nov 10, 2020

elist.h

May 16, 2014

example-cfg.json

Jan 16, 2012

miner.h

Apr 29, 2021

minerd.1

Jun 25, 2020

nomacro.pl

Feb 25, 2015

scrypt-arm.S

May 25, 2014

scrypt-ppc.S

Jun 21, 2017

scrypt-x64.S

May 25, 2014

scrypt-x86.S

May 25, 2014

scrypt.c

Feb 25, 2015

sha2-arm.S

May 16, 2014

sha2-ppc.S

Jun 21, 2017

sha2-x64.S	May 17, 2015
sha2-x86.S	May 16, 2014
sha2.c	May 17, 2015
util.c	Nov 10, 2020

README

```
This is a multi-threaded CPU miner for Litecoin and Bitcoin,
fork of Jeff Garzik's reference cpuminer.

License: GPLv2.  See COPYING for details.

Downloads:  https://sourceforge.net/projects/cpuminer/files/
Git tree:   https://github.com/pooler/cpuminer

Dependencies:
        libcurl                 http://curl.haxx.se/libcurl/
        jansson                 http://www.digip.org/jansson/
                (jansson is included in-tree)

Basic *nix build instructions:
        ./autogen.sh    # only needed if building from git repo
        ./nomacro.pl    # in case the assembler doesn't support macros
        ./configure CFLAGS="-O3" # make sure -O3 is an O and not a zero!
        make

Notes for AIX users:
        * To build a 64-bit binary, export OBJECT_MODE=64
        * GNU-style long options are not supported, but are accessible
          via configuration file

Basic Windows build instructions, using MinGW:
        Install MinGW and the MSYS Developer Tool Kit (http://www.mingw.org/)
                * Make sure you have mstcpip.h in MinGW\include
        If using MinGW-w64, install pthreads-w64
        Install libcurl devel (http://curl.haxx.se/download.html)
                * Make sure you have libcurl.m4 in MinGW\share\aclocal
                * Make sure you have curl-config in MinGW\bin
        In the MSYS shell, run:
                ./autogen.sh    # only needed if building from git repo
                LIBCURL="-lcurldll" ./configure CFLAGS="-O3"
                make

Architecture-specific notes:
        ARM:    No runtime CPU detection. The miner can take advantage
                of some instructions specific to ARMv5E and later processors,
                but the decision whether to use them is made at compile time,
                based on compiler-defined macros.
                To use NEON instructions, add "-mfpu=neon" to CFLAGS.
        PowerPC: No runtime CPU detection.
                To use AltiVec instructions, add "-maltivec" to CFLAGS.
        x86:    The miner checks for SSE2 instructions support at runtime,
                and uses them if they are available.
        x86-64: The miner can take advantage of AVX, AVX2 and XOP instructions,
                but only if both the CPU and the operating system support them.
                    * Linux supports AVX starting from kernel version 2.6.30.
                    * FreeBSD supports AVX starting with 9.1-RELEASE.
                    * Mac OS X added AVX support in the 10.6.8 update.
                    * Windows supports AVX starting from Windows 7 SP1 and
                      Windows Server 2008 R2 SP1.
                The configure script outputs a warning if the assembler
                doesn't support some instruction sets. In that case, the miner
```

can still be built, but unavailable optimizations are left off. The miner uses the VIA Padlock Hash Engine where available.

Usage instructions: Run "minerd --help" to see options.

Connecting through a proxy: Use the --proxy option.
To use a SOCKS proxy, add a socks4:// or socks5:// prefix to the proxy host.
Protocols socks4a and socks5h, allowing remote name resolving, are also available since libcurl 7.18.0.
If no protocol is specified, the proxy is assumed to be a HTTP proxy.
When the --proxy option is not used, the program honors the http_proxy and all_proxy environment variables.

Also many issues and FAQs are covered in the forum thread dedicated to this program,
https://bitcointalk.org/index.php?topic=55038.0