

# monero-mining Manual

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## Contents

### 1 Introduction

*monero-mining* is a tool that helps you download, install, update and configure *xmrig* and *xmrig-proxy*. It can be useful for some who runs Linux and wants to mine the Monero XMR native cryptocoin.

### 2 Concepts

Since mining of cryptocurrencies is a high CPU load procedure, it's mostly common to mine in groups. Either when we talk about pools or proxied miners. *monero-mining* keeps in mind that feature and ships with downloaders for both *xmrig* and *xmrig-proxy* and provides also updating tools to make sure you get the latest updates. It also comes with a configuration script which you can use and configure mining from donate mode to self-proxying miner.

### 3 Usage

In order to use *monero-mining* you 'll need to download and install it.

#### 3.1 Download

Visit [https://git.kaotisk-hund.com/monero\\_mining/.git](https://git.kaotisk-hund.com/monero_mining/.git) to get the latest version or simply clone it using *git*.

```
git clone https://git.kaotisk-hund.com/monero_mining/.git
```

#### 3.2 Install

After download or cloning, get inside the directory of *monero\_mining*. If you just cloned the repository use this command to get there:

```
cd monero_mining
```

You can now install it. Simply, write the following:

`./install.sh`

and hit enter. You will most probably be asked to enter your password so the installation can be done.

**Tip** Avoid using `sudo ./install.sh` as it can lead to unmovable files by your current user.

### 3.3 Configure

To configure *monero\_mining* you'll need to use the `./configure.sh` tool. Below, you can see the available flags with a brief explanation to help you choose what fits your needs.

**-direct host** Replace host with the already set up proxy of yours. (See `-only-proxy` and `-proxy flags`)

**-donate** Set up so to donate to my proxy.

**-only-proxy host address** Replace host with your desired pool and address with your Monero address. It sets up only the proxy. No miner.

**-proxy host address** Replace host with your desired pool and address with your Monero address. It sets up both miner and proxy.

**-solo host address** Replace host with your desired pool and address with your Monero address. Achieves solo mining to some pool.

### 3.4 Update

You can always update *monero\_mining* using the `./update.sh` tool.

## 4 Open source

### 4.1 install.sh

```
1 #!/bin/bash
2 echo "Monero mining installer"
3 echo "_____ "
4 echo "Launching updater to get latest version of XMRig
   and XMRig proxy from github..."
5 sh update.sh
6 echo "Creating symlinks... (need root)"
7 sudo ln -s $PWD/downloads/xmrig-latest/xmrig /usr/local/
   bin/xmrig
```

```

8  sudo ln -s $PWD/downloads/xmrig-proxy-latest/xmrig-proxy
   /usr/local/bin/xmrig-proxy
9  sudo ln -s $PWD/tools/mine-looper.sh /usr/local/bin/
   monero-mining
10 sudo ln -s $PWD/tools/proxy-looper.sh /usr/local/bin/
   monero-proxy
11 sudo ln -s $PWD/update.sh /usr/local/bin/monero-mining-
   update
12 sudo ln -s $PWD/configure.sh /usr/local/bin/monero-mining
   -configure
13 echo "Configuring in donate mode..."
14 sh configure.sh --donate
15 echo "You can now start xmrig and let it run while you
   read the rest of the docs"

```

## 4.2 configure.sh

```

1  #!/bin/bash
2  # Configure XMRig and XMRig-proxy
3  #
4  export APP_NAME=$(basename $0)
5  export LOGS=$PWD"/logs/mining"
6  export XMLCONF=$PWD"/downloads/xmrig-latest/config.json"
7  export XP_CONF=$PWD"/downloads/xmrig-proxy-latest/config.
   json"
8
9  title() {
10     echo "$APP_NAME - XMRig and XMRig-proxy
       configurator"
11     echo
       "_____ "
12 }
13
14 usage() {
15     echo "Usage:"
16     echo ""
17     echo " $APP_NAME --direct host"
18     echo " $APP_NAME --donate"
19     echo " $APP_NAME --help"
20     echo " $APP_NAME --only-proxy host address"
21     echo " $APP_NAME --proxy host address"
22     echo " $APP_NAME --solo host address"
23     echo ""
24     echo "    --direct          Direct mining to an
       already set up xmrig-proxy."

```

```

25     echo "    --donate          Donate to the author of
        the script."
26     echo "    --help          Prints this help message
        ."
27     echo "    --only-proxy    Sets up only xmrig-proxy
        ."
28     echo "    --proxy          Setup xmrig-proxy too (
        used when have more than one rigs)."
29     echo "    --solo          Direct mining to pool (
        aka solo mining)."
30     echo "    --donate          Yes, donate something :)
        ."
31     echo "    host            Where you send your
        hashes (xmrig proxy address or pool address)."
32     echo "    address          The monero address you
        want your money to be transfered to."
33     exit
34 }
35
36 logs() {
37     echo "Checking for logs' folder and create or not
        ."
38     if [ -d "$LOGS" ]; then echo "Folder is already
        there."; else mkdir -p $LOGS && echo "$LOGS
        created"; fi
39 }
40
41 xmrig() {
42     echo "Copying xmrig default configuration"
43     cp config/xmrig.json $XMLCONF
44 }
45
46 address() {
47     echo "Setting up address $ADDRESS for xmrig"
48     sed -i.bak -e 's/"x"/'$ADDRESS'/' $XMLCONF
49 }
50 pool() {
51     echo "Setting host to: $POOL"
52     sed -i.bak -e 's/$POOL/'$POOL'/' $XMLCONF
53 }
54 donate() {
55     sed -i.bak -e 's/$POOL/'h.kaotisk-hund.com
        :3333'/' $XMLCONF
56 }
57
58 proxy() {

```

```

59         echo "Copying xmrig-proxy default configuration"
60         cp config/xmrig-proxy.json $XP_CONF
61         echo "Setting address to: $ADDRESS"
62         sed -i.bak -e 's/$ADDRESS/'$ADDRESS'/' $XP_CONF
63     }
64
65     title
66     #[[ ! -z $1 ]] && export OPTION=$1 || usage
67     case $1 in
68         "--direct")
69             if [ ! -z $2 ]; then
70                 export POOL=$2
71                 logs
72                 xmrig
73                 pool;
74             else
75                 echo "No host"
76                 exit 1;
77             fi
78             ;;
79         "--proxy")
80             if [ ! -z $2 ] && [ ! -z $3 ]; then
81                 export POOL=$2
82                 export ADDRESS=$3
83                 logs
84                 xmrig
85                 proxy
86                 pool;
87             else
88                 echo "No host or address"
89                 exit 1;
90             fi
91             ;;
92         "--only-proxy")
93             if [ ! -z $2 ] && [ ! -z $3 ]; then
94                 export POOL=$2
95                 export ADDRESS=$3
96                 logs
97                 proxy;
98             else
99                 echo "No host or address"
100                exit 1;
101            fi
102            ;;
103         "--donate")
104             logs

```

```

105             xmrig
106             donate
107             ;;
108     "--solo")
109         if [ ! -z $2 ] && [ ! -z $3 ]; then
110             export POOL=$2
111             export ADDRESS=$3
112             logs
113             xmrig
114             address
115             pool;
116         else
117             echo "No host or address"
118             exit 1;
119         fi
120         ;;
121     "--help" | *)
122         usage;
123         ;;
124 esac

```

### 4.3 update.sh

```

1  #!/bin/bash
2  echo "Monero mining reposotory syncing..."
3  git pull
4  echo "Refreshing xmrig..."
5  sh utils/updater.sh xmrig xmrig
6  echo "Refreshing xmrig-proxy..."
7  sh utils/updater.sh xmrig xmrig-proxy

```

### 4.4 quick-xmrig-thermal-report.sh

```

1  #!/bin/bash
2  export TMP_FILE="/tmp/srsn0001"
3  title(){
4      echo "$0 - Quick XMRig and thermal report"
5      echo
6      echo "_____ "
7  }
8  usage(){
9      echo "Usage:"
10     echo " $0 <host>"
11     echo "      host      The remote host you wish to
                    gather data from"
12     echo ""

```

```

12 }
13 if [ -z $1 ] ;then
14     usage
15     exit;
16 else
17     export HOST=$1
18     echo "Generating report..."
19     echo "Report starts on $(date)" > $TMP_FILE
20     echo "$HOST" >> $TMP_FILE
21     echo "_____ " >>
        $TMP_FILE
22     ssh $HOST sensors >> $TMP_FILE
23     echo "_____ " >>
        $TMP_FILE
24     ssh $HOST tail /home/$HOST/monero-mining/logs/
        xmrig.log >> $TMP_FILE
25     echo "===== " >>
        $TMP_FILE
26     echo "===== " >>
        $TMP_FILE
27     echo "Report completed on $(date)" >> $TMP_FILE
28     mv $TMP_FILE $HOME/Mining-reports/$(date +%Y%m%d_
        %H%M%S)-report
29     echo "Report complete"
30 fi

```

#### 4.5 update.sh

```

1 #!/bin/bash
2 echo "Monero mining reposotory syncing..."
3 git pull
4 echo "Refreshing xmrig..."
5 sh utils/updater.sh xmrig xmrig
6 echo "Refreshing xmrig-proxy..."
7 sh utils/updater.sh xmrig xmrig-proxy

```