

# monero-mining Manual

Kaotisk Hund

May 26, 2021

## Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Concepts</b>	<b>1</b>
<b>3</b>	<b>Usage</b>	<b>2</b>
3.1	Download . . . . .	2
3.2	Install . . . . .	2
3.3	Configure . . . . .	2
3.4	Update . . . . .	2
<b>4</b>	<b>Open source</b>	<b>3</b>
4.1	install.sh . . . . .	3
4.2	configure.sh . . . . .	3
4.3	update.sh . . . . .	6

## 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 cryptocurrency.

## 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> 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 echo "Configuring in donate mode..."
10 sh configure.sh --donate
11 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

```