monero-mining Manual

Kaotisk Hund

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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. Also, this document is published based, including latest features or whatever after "*27fa19c Fix on launch command* " commit.

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.

For more on that, please turn to *document.pdf*.

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.

3.5 Start it

During installation you got a *monero-mining* and a *monero-proxy* links. You can execute any of them or both according to your needs.

As discussed in *document.pdf* it's a good practice to open this in *tmux*. In that case, you can do

```
tmux
sudo monero-mining
```

then enter your userpassword and the miner is up!

In the same way, you can use *monero-proxy*.

```
tmux
monero-proxy
```

4 Podman

There is a *ContainerFile* in the root of the repository. This can be used to build a Podman image. Furthermore, an automatic build, deploy, add service and start of the project is located in *podman.sh*. You can run this instead and have a systemctl for user enabled, started, along with the build image you create with freshly compiled image and xmrig.

4.1 Defaults

Using *podman.sh* comes with some defaults. A miner will start as soon as is ready. There are more configuration options inside the *ContainerFile*.

4.1.1 ContainerFile

```
FROM fedora
RUN sudo dnf install -y \
git \
wget \
cmake \
gcc \
gcc-c++ \
libstdc++-devel \
libstdc++-static \
hwloc-devel \
openssl-devel \
libuv-devel \
glibc-static \
screen
COPY . /
RUN git config --global user.email "you@example.com"
RUN git config --global user.name "Your Name"
RUN cd / && \
git clone https://github.com/xmrig/xmrig && \
cd xmrig && \
git am ../0001-my-though.patch && \
cmake . && \
make && \
cp xmrig /usr/bin/xmrig
RUN cd / && sh configure.sh --donate
RUN cp /tools/mine-looper.sh /usr/bin/monero-mining
RUN dnf clean all -y
ENTRYPOINT ["/play.sh"]
```

4.1.2 podman.sh script

```
#!/bin/bash
podman build -f ContainerFile -t monero-mining .
podman run -d --name monero-miner --privileged --network=host monero-mining
SERVICE=$(podman generate systemd --files --name monero-miner)
systemctl enable --user SERVICE
podman stop monero-miner
systemctl start --user container-monero-miner.service
```

4.2 Configuration

The configuration can be found in */root/.xmrig.json* inside the container. You can use a mount point to have externaly add your configuration file. Be sure to have a copy of yours, because it's possible that the container will try to overwrite the config. The safest way is to get inside a bash and edit from there.

5 License

The project is licensed under GNU-GPLv3.

6 Thanks

To a friend that inspired this to happen along with some friends that had me talking non-sense to their ears while I was developing that.