aleo-miner

Version

2.9.7

- Imporve the mining efficiency
- Support Hiveos custom settings

start

```
chmod +x aleo.sh && chmod +x aleo-miner
./aleo.sh stratum+tcp://aleo-asia.f2pool.com:4400 accountname.workername
```

If the miner cannot be started successfully, use the following command.
`NONCE_TIMES` could be 1,2,3...(the default NONCE TIMES is 16), it depends on your device's capacity. Higher `NONCE_TIMES` will bring better mining performance, but it requires more RAM. Otherwise, the miner will report `out of memory` or other errors, you can adjust the `NONCE_TIMES` lower to solve this kind of problem.

```
export NONCE_TIMES=16 && nohup ./aleo-miner -u "stratum+tcp://aleo-asia.f2pool.com:4400" -w "accountname.workername" -d 0 >> ./aleo-miner.log 2>&1 &
```

If you use a mining machine with more than 128 threads and the GPU usage rate has reached more than 80%, you can use the multi-process multi-card method to start mining.
Use the two parameters `TASTSET_CPU_CORES` and `taskset -c` to allocate the core list, drive different GPUs to work, and obtain higher computing power.
Using the following comand：

```
nvidia-smi topo -m
```

to query the core list with good GPU affinity, and then set the `TASTSET_CPU_CORES` and `taskset -c` parameters according to the output information.
Example:

```
export TASTSET_CPU_CORES="0-31,64-95"  &&  nohup taskset -c 0-31,64-95 ./aleo-miner -u stratum+tcp://aleo-asia.f2pool.com:4400 -w accountname.workername -d 0 >> ./aleo-miner.log 2>&1 &
```

```
export TASTSET_CPU_CORES="32-63,96-127" && nohup taskset -c 32-63,96-127 ./aleo-
miner -u stratum+tcp://aleo-asia.f2pool.com:4400 -w accountname.workername -d 1
>> ./aleo-miner.log 2>&1 &
```

parameter instruction

```
 -u, --url <URL>              Set the pool URL Format: <Working protocol>+
<Wransport protocol>://<pool>:<port> Working protocol: stratum Transport
protocols: tcp, ssl
 -w, --worker <WORKER>        Set the account && worker name [default:
accountname.workername]
 -d, --devices <DEVICES>      -d 0
```
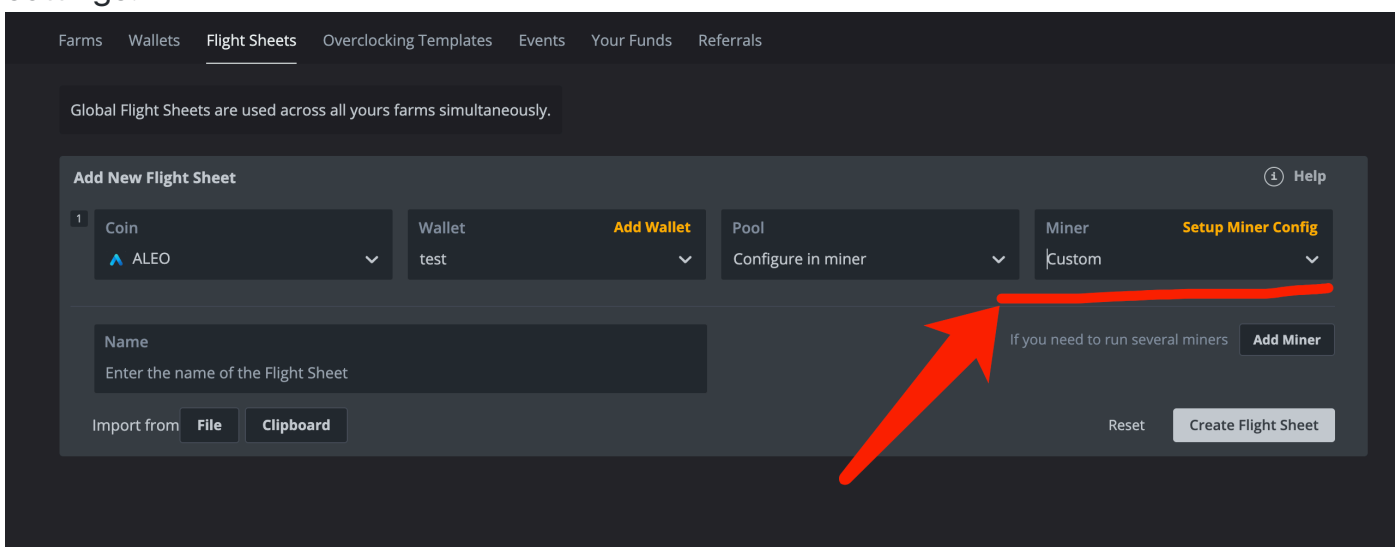
```
tail -f aleo-miner.log          print log
#显示log
pkill -9 aleo-miner             Kill mining progress
#结束挖矿进程
```

Hiveos custom settings

1. Add a aleo wallet in hiveOS 'Wallets' settings, using your f2pool account as your ALEO wallet address.

2. Add flight sheet, using the wallet you created in step 1, and choose 'custom' in the 'Miner' settings.

3. Click 'Setup Miner Config', set the parameters in the pop-up window as follow. **Aleo miner for hiveos is the 'f2poolminer-x.x.x.tar.gz' file, you can create a download link for yourself, or use the link provide by f2pool**

Miner name ⓘ

```
f2poolminer
```

Installation URL ⓘ

```
Aleo miner for hiveos download link
```

Hash algorithm:

```
aleo                                                                      ⌄
```

Wallet and worker template: ⓘ

```
%WAL%.%WORKER_NAME%
```

Pool URL: ⓘ

```
stratum+tcp://aleo-asia.f2pool.com:4400
```

Pass:

Extra config arguments: ⓘ

```
NONCE_TIMES=16
```

Clear   Cancel   **Apply Changes**

4. 'Apply Changes' and complete the flight sheet creation, and then apply the flight sheet to your mining machine, the mining machine will begin to mine Aleo.