

## APMultiMiner Manual

This software combines the mining of ETH, ETC, ZEC, BTM and XMR in one, providing users with a more convenient and easy-to-operate mining experience.

### 1. Mining Methods

1> Software download link: <https://www.antpool.com/download.htm?m=tools>

2> Installation environment: .net framework 4.5 or above

3> Mining methods and requirements:

① graphics card mining (A card / N card)

② at least 4G memory space (the efficiency of A card mining is high, and the Power consumption of N card mining is low)

③ In addition, the NBMiner software itself has requirements for system. For details, please refer to the github link: <https://github.com/NebuTech/NBMiner-requirements>

4> At present, the applicable graphics cards to mine each coin are as follows:

**N card supports mining: AE/BTM/GRIN29/GRIN31/SWAP**

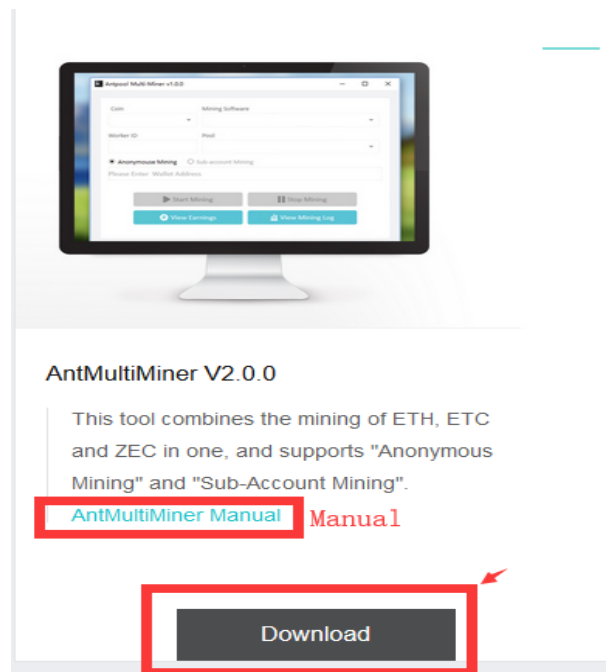
**A card and N card support mining: AEON/ETC/ETH/LOKI/RYO/SUMO/XMR/ZEC**

5> "Anonymous Mining" and "Sub-Account Mining" coins are as follows:

**Coins can be mined with Sub-Account: ETH、ETC、ZEC、BTM**

**Coins can be mined anonymously with wallet address: except for BTM, all other coins can be mined anonymously**

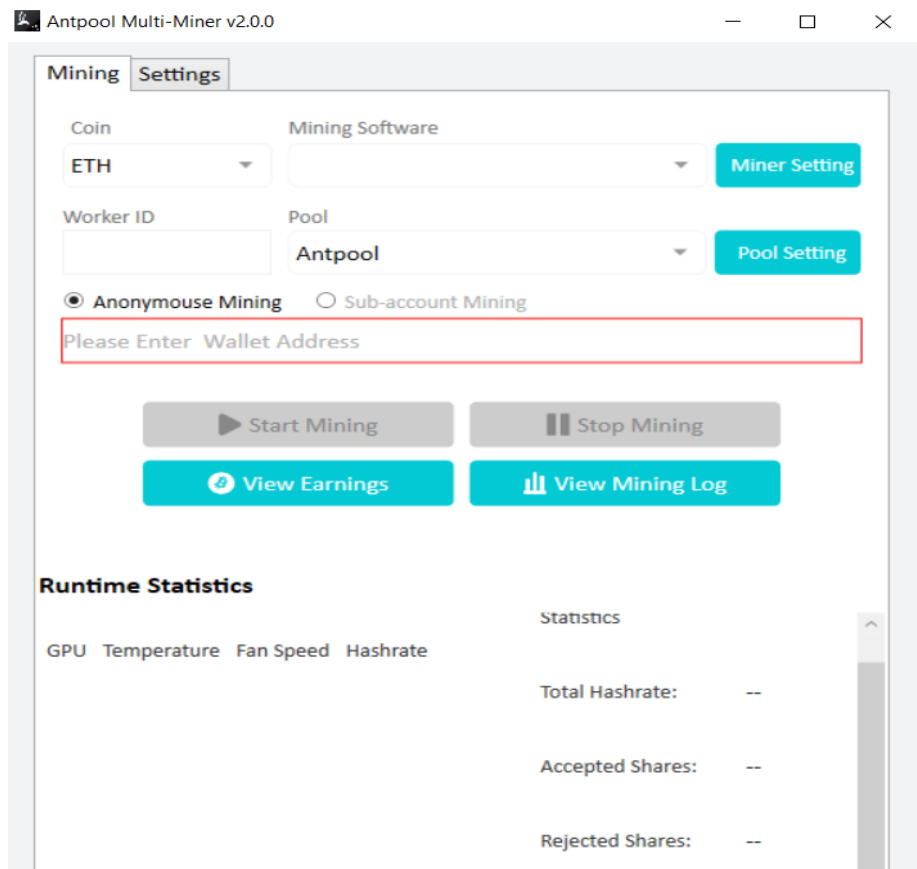
6> Download as shown in below screenshot (Hint: If warning pops up by downloading, please close the anti-virus software on computer, this software is completely safe.)



## 2. Mining Steps

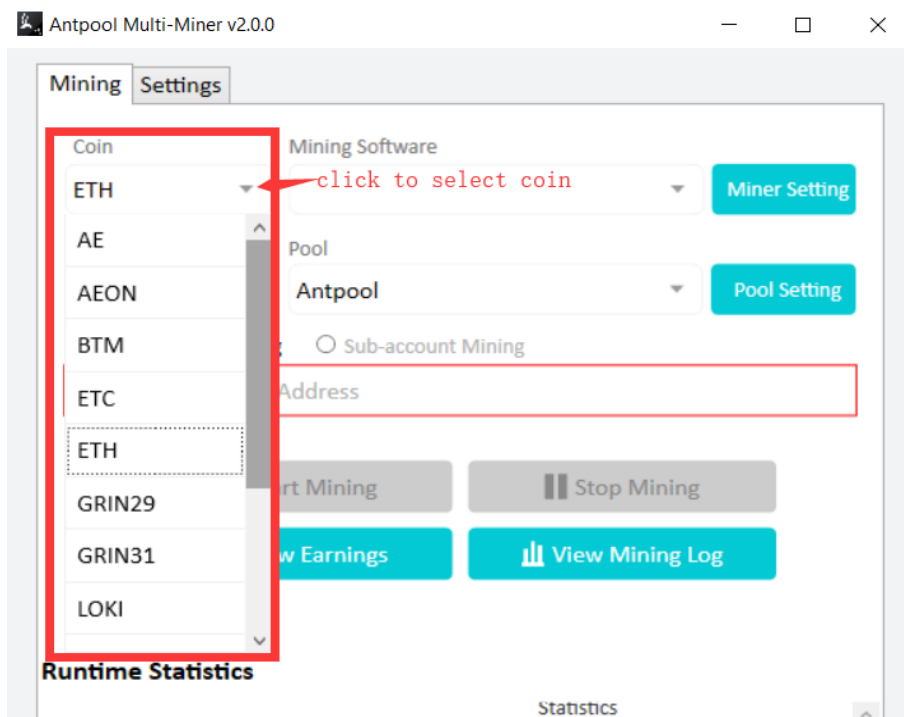
1> Unzip after downloading; select the “APMM” file and double-click to open the software:

<input type="checkbox"/> Name	Date modified	Type	Size
log	2/7/2019 9:57 AM	File folder	
<input checked="" type="checkbox"/> APMM.exe	1/7/2019 4:47 PM	Application	2,242 KB
APMM.exe.config	1/7/2019 4:47 PM	XML Configuratio...	1 KB

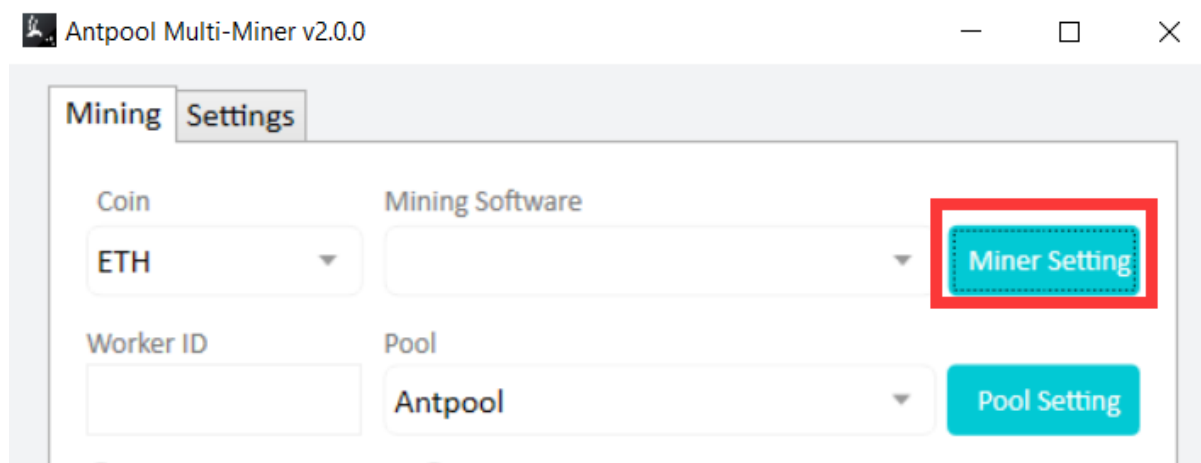


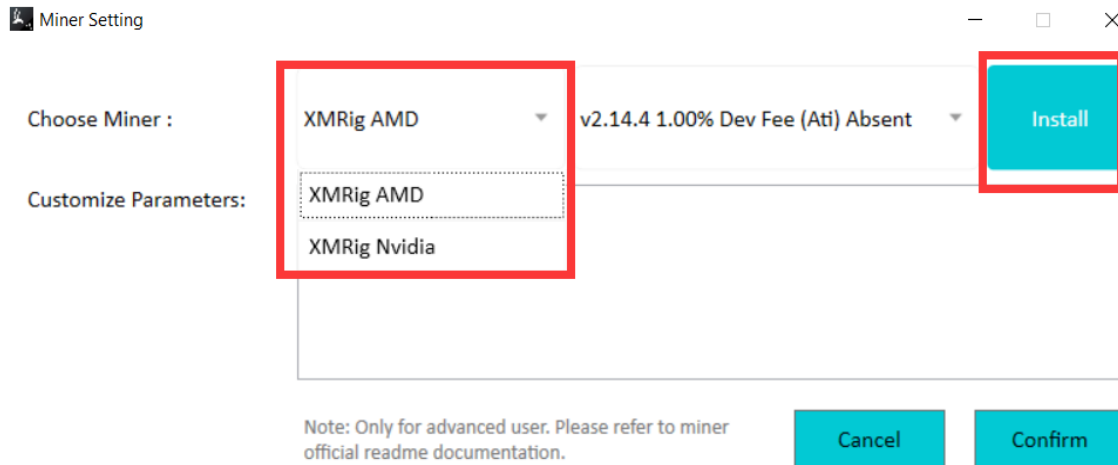
2> Select coin: currently you could use this software to mine

AE/BTM/GRIN29/GRIN31/XMR/AEON/RYO/LOKI/SUMO/XMR/AEON/RYO/LOKI/SUMO



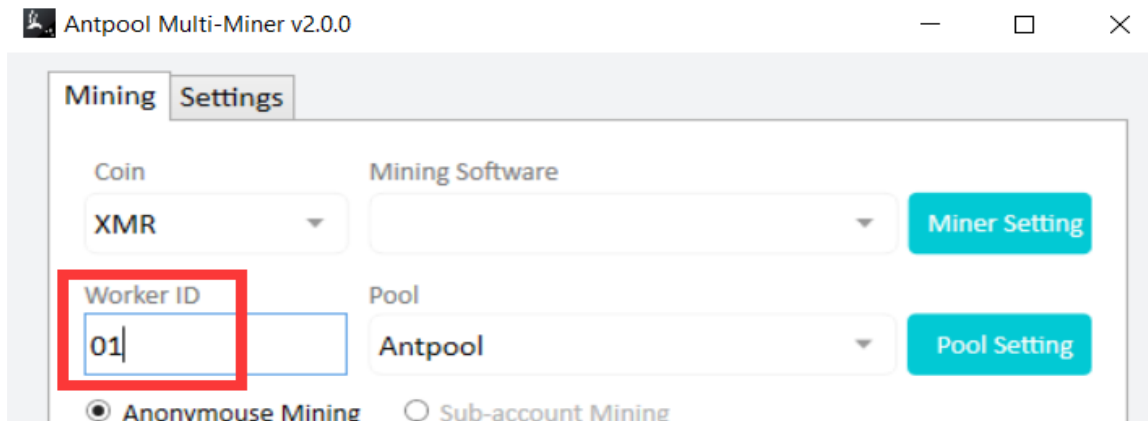
3> After selecting coin, click “Miner Setting” and click “Install” to download the corresponding Mining Software, The "Customize Parameters" option supports user-defined configuration of advanced parameters.



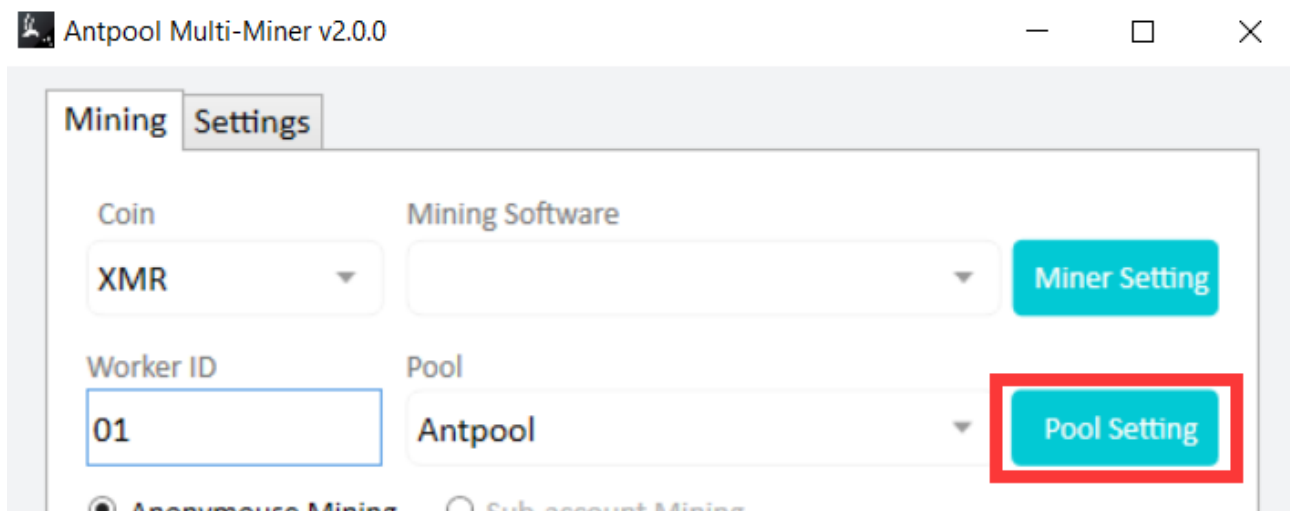


#### 4> Worker ID and Pool configuration

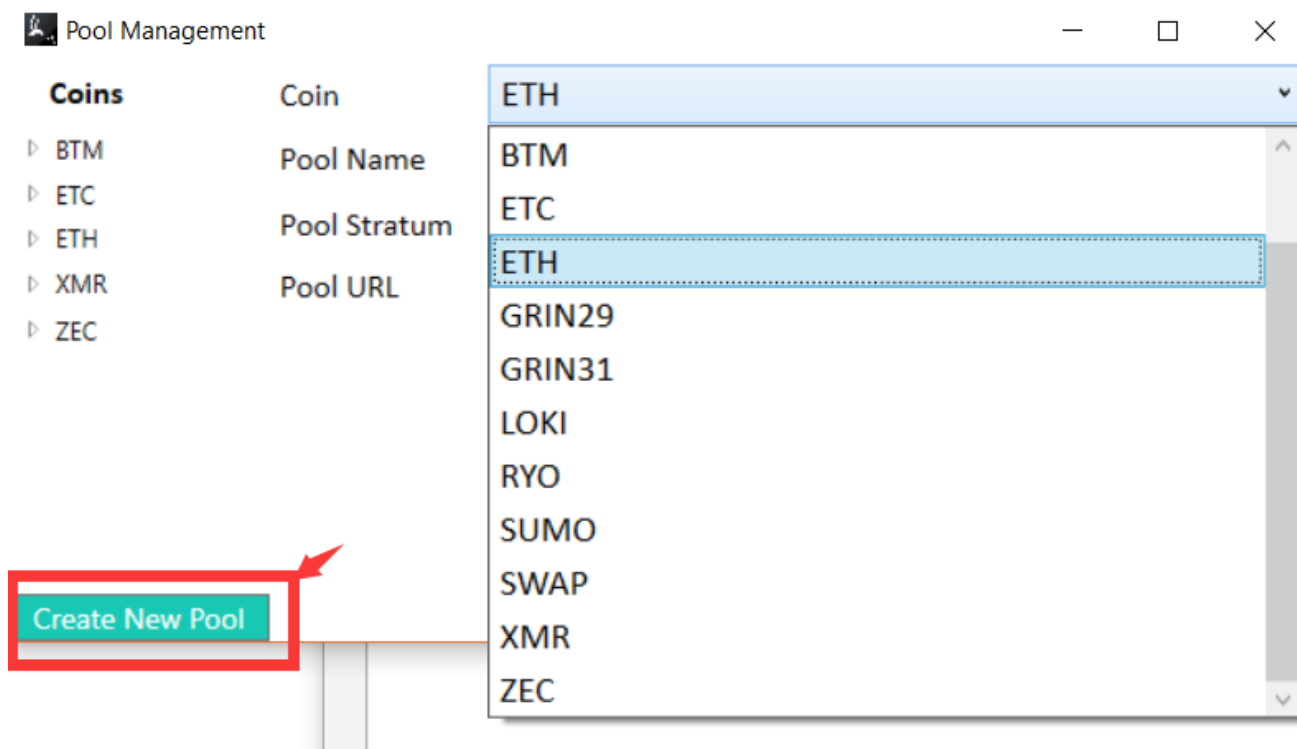
① Worker ID configuration: merely need to fill in number of worker, for example: 01, 02, 03...



② Pool configuration: the default mining pool is AntPool. Click on "Pool Setting", if you need to switch pool



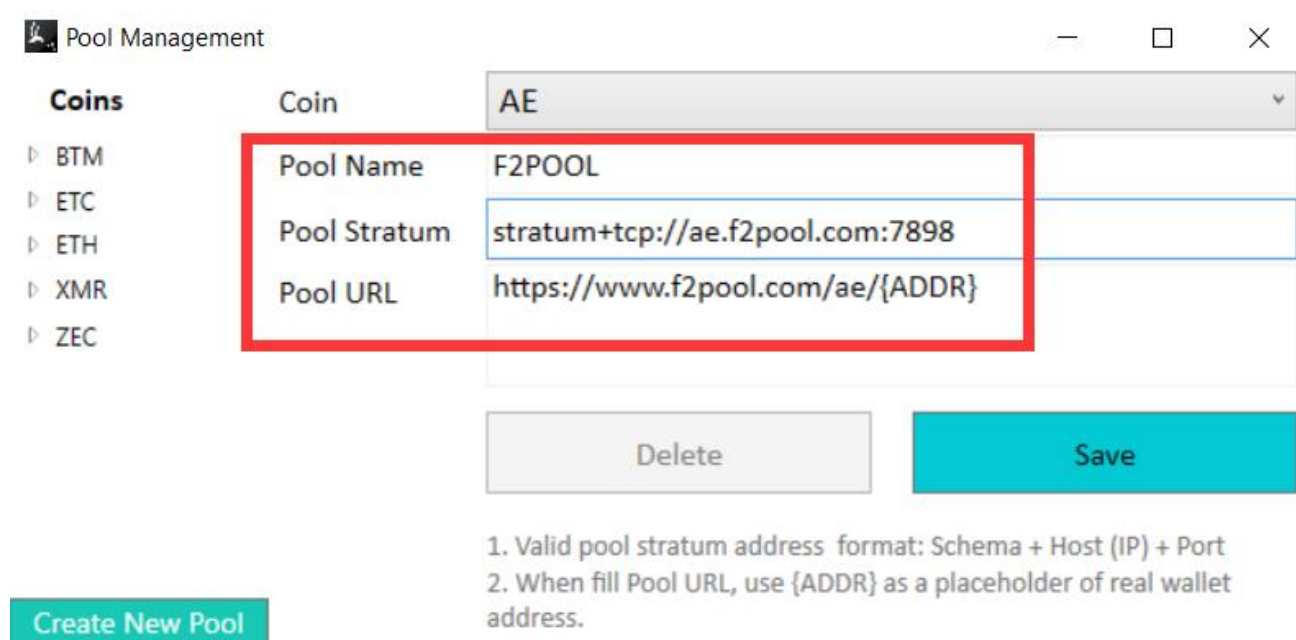
③Pool Setting: Click on “Create New Pool” and select the corresponding coin from the drop-down list.



The screenshot shows the 'Pool Management' window. On the left, there is a 'Coins' list with expandable items: BTM, ETC, ETH, XMR, and ZEC. Below this list is a red-bordered button labeled 'Create New Pool'. To the right of the 'Coins' list is a table with columns 'Coin', 'Pool Name', 'Pool Stratum', and 'Pool URL'. A dropdown menu is open, showing a list of coins: ETH (selected), BTM, ETC, ETH, GRIN29, GRIN31, LOKI, RYO, SUMO, SWAP, XMR, and ZEC. A red arrow points from the 'Create New Pool' button to the dropdown menu.

Fill in the “Pool Name”, “Pool Stratum” and “Pool URL”. “Pool URL” for earnings checking please consult the corresponding mining pool platform. Click “Save” and you will see “Saved successfully”

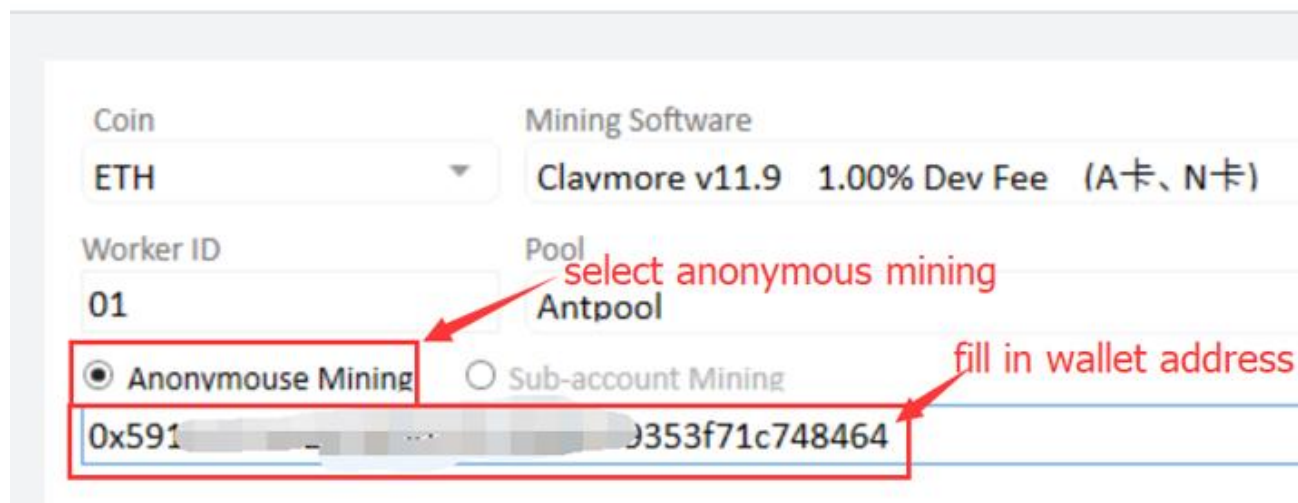
For example: configure F2Pool for AE coin mining, URL to check earnings: <https://www.f2pool.com/ae/{ADDR}> (contact F2Pool customer service for this link)



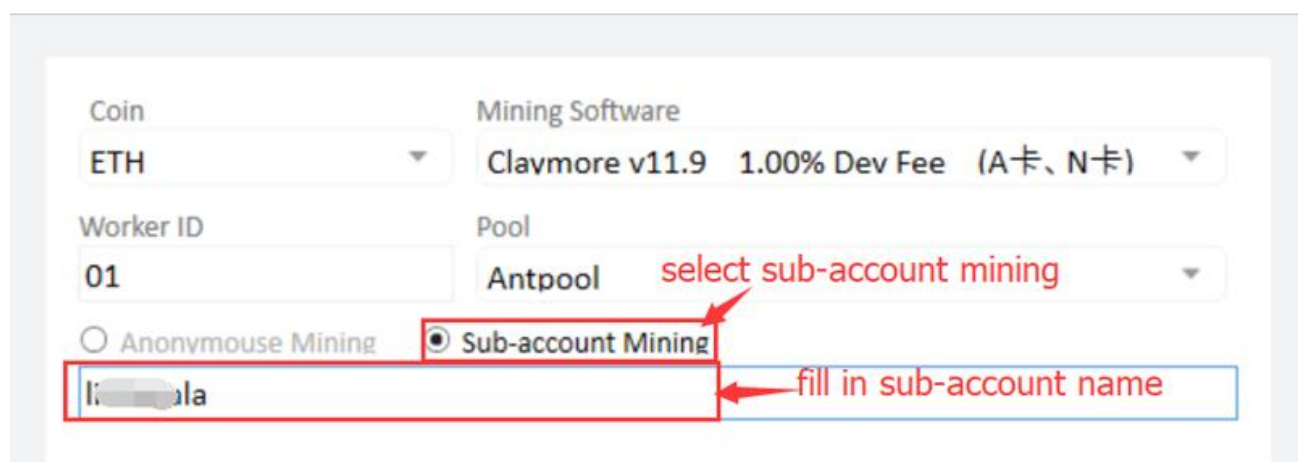
The screenshot shows the 'Pool Management' window with the 'Create New Pool' button highlighted. The 'Coin' dropdown is set to 'AE'. The 'Pool Name' field is filled with 'F2POOL'. The 'Pool Stratum' field is filled with 'stratum+tcp://ae.f2pool.com:7898'. The 'Pool URL' field is filled with 'https://www.f2pool.com/ae/{ADDR}'. Below the fields are 'Delete' and 'Save' buttons. At the bottom, there are two instructions: 1. Valid pool stratum address format: Schema + Host (IP) + Port. 2. When fill Pool URL, use {ADDR} as a placeholder of real wallet address.

5> Mining Mode: “Anonymous Mining” and “Sub-Account Mining”

**Anonymous Mining:** You need to first apply for the wallet address of the corresponding coin, then choose “anonymous mining” and fill in your wallet address



**Sub-account Mining:** You need to first create a sub-account in Antpool, and then fill in your sub-account name;



6> How to operate after configuration

**Start Mining:** Click this button to start mining; after the mining program is running, “Runtime Statistics” will be displayed in about 10-30s as shown below.

**Note:** If there is no hash rate after clicking “Start Mining”, please install or update the latest graphics card driver and run again.

click to start mining

Start Mining Stop Mining

View Earnings View Mining Log

Runtime Statistics mining statistics

GPU	Temperature	Fan Speed	Hashrate
0	--	--	284.00 Sol/S
1	--	--	283.00 Sol/S
2	--	--	286.00 Sol/S
3	--	--	281.00 Sol/S
4	--	--	278.00 Sol/S
5	--	--	281.00 Sol/S

Statistics

Total Hashrate: 2,261.00 Sol/S

Accepted Shares: 0

Rejected Shares: 1 (100.00%)

Total Run Time: 00:00:00

Pool Latency: --

View Mining Log: click this button to view mining log

Start Mining Stop Mining

View Earnings View Mining Log



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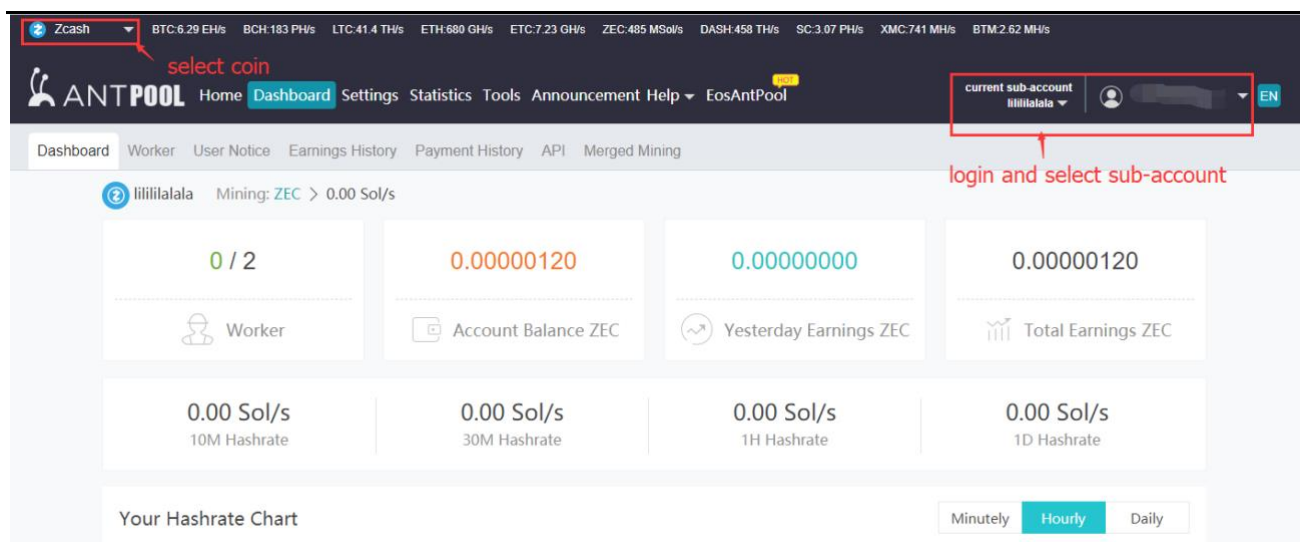
Mining Log
16:15:32,307 [INFO ]: Setting DAG epoch #219 for GPU4
16:15:32,307 [INFO ]: Create GPU buffer for GPU4
16:15:32,307 [INFO ]: Create GPU buffer for GPU3
16:15:32,307 [INFO ]: Setting DAG epoch #219 for GPU1
16:15:32,307 [INFO ]: Create GPU buffer for GPU1
16:15:32,307 [INFO ]: Create GPU buffer for GPU2
16:15:32,307 [INFO ]: GPU0 DAG creation time - 6175 ms
16:15:32,307 [INFO ]: Setting DAG epoch #219 for GPU0 done
16:15:32,307 [INFO ]: GPU7 DAG creation time - 6200 ms
16:15:32,307 [INFO ]: Setting DAG epoch #219 for GPU7 done
16:15:32,307 [INFO ]: GPU6 DAG creation time - 6317 ms
16:15:32,323 [INFO ]: Setting DAG epoch #219 for GPU6 done
16:15:32,323 [INFO ]: GPU5 DAG creation time - 6322 ms
16:15:32,323 [INFO ]: Setting DAG epoch #219 for GPU5 done
16:15:32,323 [INFO ]: GPU2 DAG creation time - 6359 ms
16:15:32,323 [INFO ]: Setting DAG epoch #219 for GPU2 done
16:15:32,323 [INFO ]: GPU4 DAG creation time - 6461 ms
16:15:32,323 [INFO ]: Setting DAG epoch #219 for GPU4 done
16:15:32,323 [INFO ]: GPU1 DAG creation time - 6504 ms
16:15:32,323 [INFO ]: Setting DAG epoch #219 for GPU1 done
16:15:32,323 [INFO ]: GPU3 DAG creation time - 6566 ms
16:15:32,323 [INFO ]: Setting DAG epoch #219 for GPU3 done
16:15:32,323 [INFO ]: ETH: 10/26/18-16:15:30 - New job from stratum-eth.antpool.com:8008
16:15:32,323 [INFO ]: ETH - Total Speed: 224.499 Mh/s, Total Shares: 0, Rejected: 0, Time: 00:00
16:15:32,323 [INFO ]: ETH: GPU0 28.041 Mh/s, GPU1 28.085 Mh/s, GPU2 28.044 Mh/s, GPU3 28.054 Mh/s, GPU4 28.060 Mh/s, GPU5 28.048 Mh/s, GPU6 28.057 Mh/s, GPU7 28.108 Mh/s
16:15:32,323 [INFO ]: ETH: 10/26/18-16:15:32 - SHARE FOUND - (GPU 0)
  
```

### View Earnings:

For users who have selected “sub-account mining” mode, click this button, you will be directed to AntPool home page. Log in with your AntPool account, select the corresponding coin from upper left corner of page, and then you could view your earnings under your dashboard







select coin

current sub-account

login and select sub-account

For users who have selected “anonymous mining” mode, click this button, you will be directed to the corresponding page for earnings check.

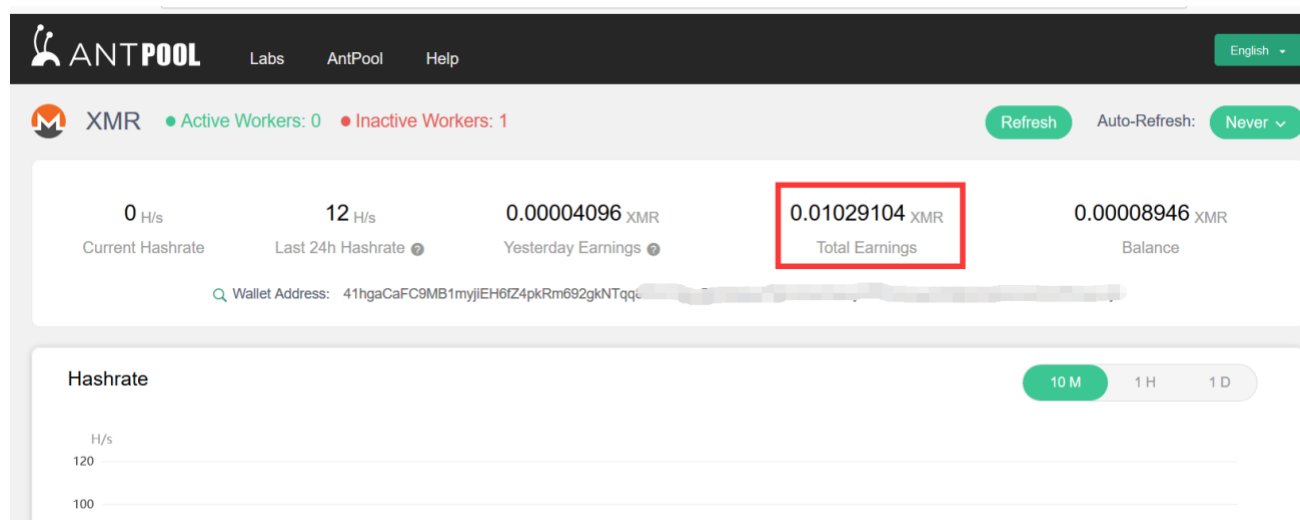


Start Mining

Stop Mining

View Earnings

View Mining Log



ANTPOOL Labs AntPool Help

XMR Active Workers: 0 Inactive Workers: 1

Refresh Auto-Refresh: Never

0 H/s Current Hashrate

12 H/s Last 24h Hashrate

0.00004096 XMR Yesterday Earnings

0.01029104 XMR Total Earnings

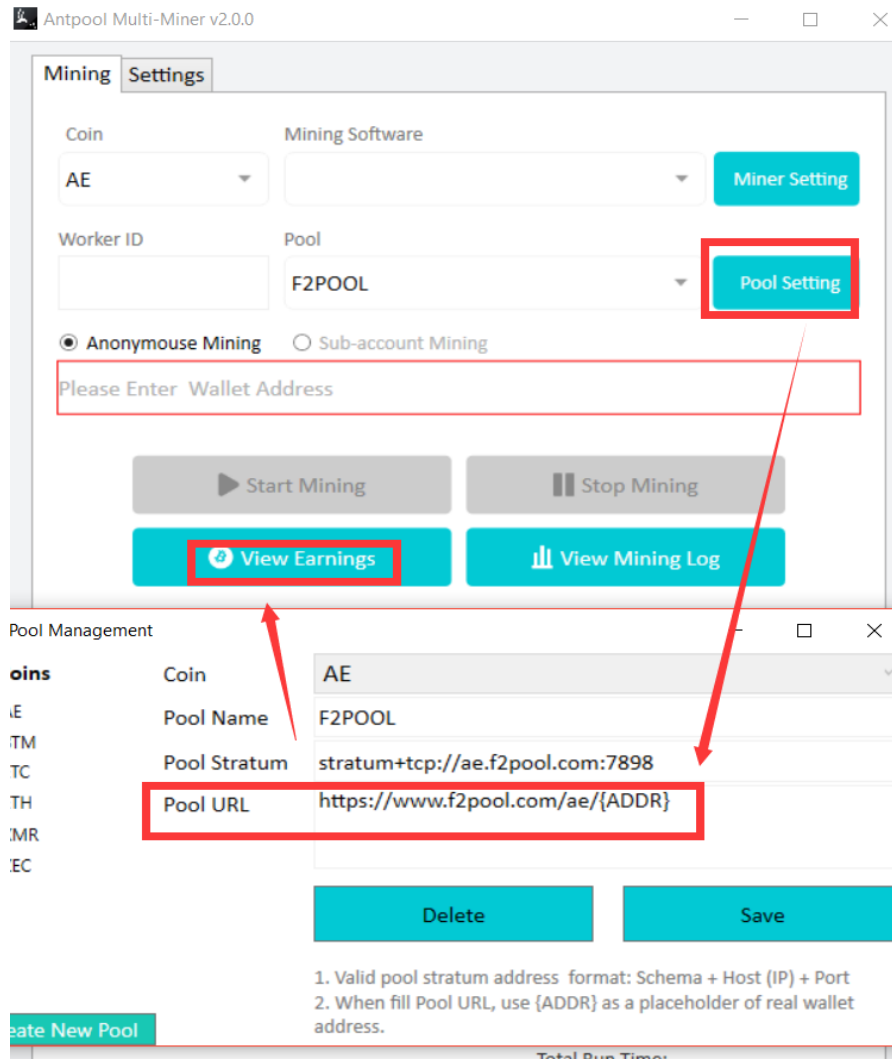
0.00008946 XMR Balance

Wallet Address: 41hgaCaFC9MB1myjiEH6IZ4pkRm692gkNTqq

Hashrate

10 M 1 H 1 D

Except the five coins in AntPool (ETH, ETC, ZEC, BTM, XMR), to check earnings of other coins, you need to first configure URL for earnings check under “Pool Setting”. After configuration, click on “View Earnings”, you will be directed to the corresponding page in other pools.



Users who have selected “anonymous mining” mode in AntPool, can also visit below links directly to view the earnings data:

ZEC: Visit the link: <https://www.antpool.com/zec.htm?wallet=your wallet address>,  
Example: [https://www.antpool.com/zec.htm?wallet= t1bSPW2tRA2juNycU34Ss2rPFaEU8EPZAxA](https://www.antpool.com/zec.htm?wallet=t1bSPW2tRA2juNycU34Ss2rPFaEU8EPZAxA)

ETH: Visit the link: <https://www.antpool.com/eth.htm?wallet=your wallet address>,  
Example: <https://www.antpool.com/eth.htm?wallet=0x59157522e2b34f501211f848209353f71c748464>

ETC: Visit the link: <https://www.antpool.com/etc.htm?wallet=your wallet address>,  
Example: <https://www.antpool.com/etc.htm?wallet=0xd136299352f080f9bf4e20102cea3d9fefacd079>

XMR Visit the link: <https://lab.antpool.com/hashrate/your wallet address?coin=XMR>  
Example: <https://lab.antpool.com/hashrate/4DSQMNzzq46N1z2pZWAVdeA6JvUL9TCB2bnBiA3ZzoqEdYJnMydt5akCa3vtmapedSbVKGPFdNkzqTcJS8M8oyK7WGiMvdGuEgm7NstSKn?coin=XMR>