### 1. Clone code

- 1.1 \$ git clone <a href="https://github.com/swordlet/xdagPool.git">https://github.com/swordlet/xdagPool.git</a>
- 1.2 \$ cd xdagPool
- \$ git checkout master
- \$ git checkout -b develop
- \$ git branch --set-upstream-to=origin/develop develop
- \$ git config user.email "you@example.com"
- \$ git config user.name "Your Name"
- \$ git config pull.rebase false
- \$ git pull

We run the code in the develop branch

# 2. Configure redis

\$ sudo apt update

\$ sudo apt install redis-server

2.1 Modify redis password

\$ sudo nano /etc/redis/redis.conf

Find #requirepass foobared in the configuration file and modify it to: requirepass your new password

Such as:

```
Redis replication is asynchronous, but you can configure a master to
    stop accepting writes if it appears to be not connected with at least
 2) Redis replicas are able to perform a partial resynchronization with the
    master if the replication link is lost for a relatively small amount of
    time. You may want to configure the replication backlog size (see the next
 3) Replication is automatic and does not need user intervention. After a
    network partition replicas automatically try to reconnect to masters
    and resynchronize with them.
 replicaof <masterip> <masterport>
If the master is password protected (using the "requirepass" configuration
requirepass 123456
```

Then save and close the file.

2.2 Restart the Redis service for the changes to take effect:

\$ sudo systemctl restart redis-server

# 3. Install the environment related to running code

- 3.1 \$ sudo apt install golang-go
- 3.2 \$ sudo apt install cmake make

# 4. Change configuration in config.json

### 4.1 Enter the xdagPool file

\$ cp config.example.json ./config.json

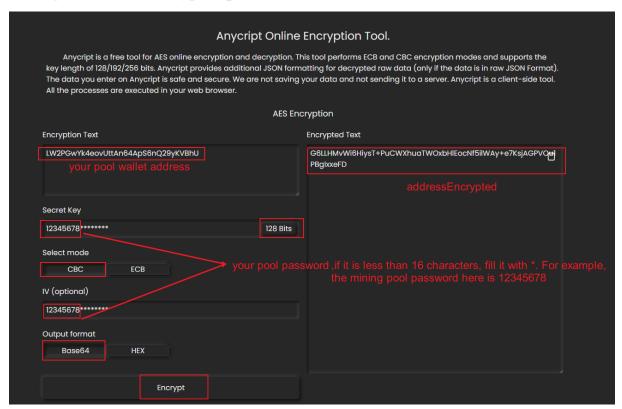
#### Such as:

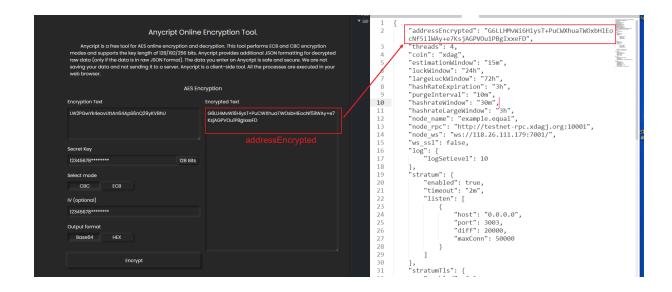
```
ubuntug18-35-88-195:-/xdagPool$ 1s
ciib config.example.json config.json go.mod go.sum kvstone LICENSE main.go payouts pool nander README.md <u>sercenshot-png</u> store.txt stratur util us ws.txt www xdago xdagpool
ubuntug18-35-88-195:-/xdagPool$
```

## 4.2 Modify the config.json configuration file

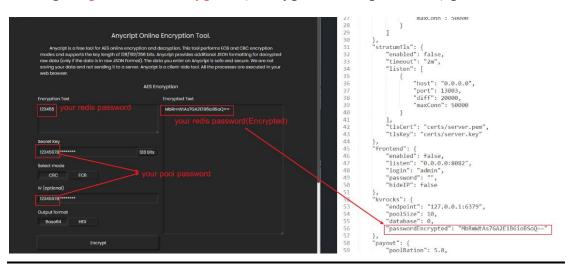
First click <a href="https://anycript.com/">https://anycript.com/</a> (or other AES encryption tool URL) to encrypt your wallet address and redis password.

#### Configure addressEncrypted parameter



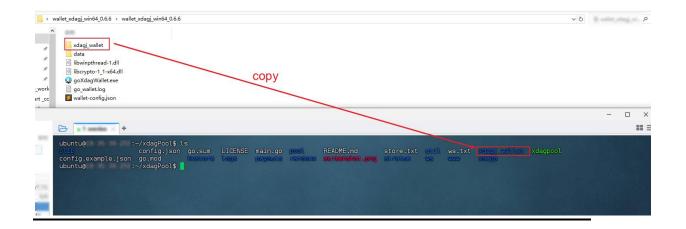


### Configure passwordEncrypted (Encrypted redis password) parameter



# 5. Import wallet file

- 5.1 Open 0.6.6XDAGJ wallet
- 5.2 Copy the xdagj\_wallet folder to the xdagPool folder



# 6. Compile project

- 6.1 \$ cd ./xdagPool/clib/randomx
- 6.2 \$ cmake.

```
ubuntu@10-35-80-195:~/xdagPool/clib/randomx$ cmake .
```

6.3 \$ make

```
ubuntu@10-35-80-195:~/xdagPool/clib/randomx$ make
```

- 6.4 \$ cd ./xdagPool
- 6.5 \$ go build

```
ubuntu@10-35-80-195:~/xdagPool$ go build
```

6.6 After the compilation is successful, you can see a compiled executable file



### 7. Run your mining pool

- 7.1 \$ cd xdagPool
- 7.2 \$ sudo ./xdagpool

```
ubuntu@10-35-80-195:~/xdagPool$ sudo ./xdagPool
2021/01/04 02:58:35 Loading config: /home/ubuntu/xdagPool/config:json
2024/01/04 02:58:35 infoFile: logs/info.log
2024/01/04 02:58:35 infoFile: logs/info.log
2024/01/04 02:58:35 saneFile: logs/share.log
2024/01/04 02:58:35 shareFile: logs/share.log
2024/01/04 02:58:35 blockFile: logs/block.log
[] 2024/01/04 02:58:35.791801 platform_linux.go:31: Rlimit Current: 1024
[] 2024/01/04 02:58:35.791802 platform_linux.go:31: Rlimit 800000
[] 2024/01/04 02:58:35.791901 platform_linux.go:31: Rlimit Final: 800000
Enter Security Password:
```

The pool password is the key used for your AES encryption. For example, 12345678\*\*\*\*\*\*\* was mentioned before as the key for encrypting the wallet address and redis password, then 12345678 is your pool password for unlocking the pool.

```
ubuntu@10-15-80-195:-/xdagPoo15 sudo ./xdagpoo1
2024/10/40 82:58:35 Loading config: /home/ubuntu/xdagPoo1/config:json
2024/01/04 82:58:35 Septieves: 10
2024/01/04 82:58:35 InfoFile: logs/info.log
2024/01/04 82:58:35 InfoFile: logs/error.log
2024/01/04 82:58:35 InfoFile: logs/share.log
2024/01/04 82:58:35 Sharefile: logs/share.log
2024/01/04 82:58:35 ShockFile: logs/share.log
2024/01/04 82:58:35.791801 platform_linux.go:31: Rlimit Current: 1024
[1] 2024/01/04 82:58:35.791801 platform_linux.go:35: Setting Rlimit: 800000
[1] 2024/01/04 82:58:35.791901 platform_linux.go:31: Rlimit Final: 800000
Enter Security Password:
Enter Wallet Password:

Enter Wallet Password:
```

The wallet password is the password used when logging into the wallet. For example:



Then 123 is your wallet password.

### 7.3 Running success result

Then you can use your mining machine to connect to this mining pool and start mining. The default configured pool port is 3003. Please do not use a proxy, miners can directly connect to the mining pool for mining.

\_\_\_\_\_\_

### 8. Other configurations

mode: equal or solo

**threshold**: Indicates the payment threshold for issuing rewards to miners, here are 3 XDAG

**paymentInterval**: payment interval, here is 5 minutes, indicating that miner rewards are issued every five minutes

paymentRemark: URL of the mining pool

The two test node IPs currently running on the test network are 118.26.111.179 and 152.32.129.160, and the port numbers are both 7001. Currently, both nodes have opened the mining pool whitelist, welcome to build your pool!