EtherCore

Secure, Scalable and Decentralized Application Platform Powered by ProgPow Consensus.

*How to use EtherCore Testnet

1. Connecting the clients

All clients supporting the go-ethercore protocol can sync with EtherCore Testnet.

You can connect Geth-EtherCore https://github.com/ethercoreorg/go-ethercore/releases/latest to EtherCore Testnet by executing

$ geth –test

```
ubuntu@ethercore:~$ geth -test
INFO [01-23|04:07:31.666] Bumping default cache on mainnet        provided=1024 updated=4096
WARN [01-23|04:07:31.666] Sanitizing cache to Go's GC limits       provided=4096 updated=664
INFO [01-23|04:07:31.667] Maximum peer count                      ETH=50 LES=0 total=50
INFO [01-23|04:07:31.667] Smartcard socket not found, disabling    err="stat /run/pcscd/pcscd.comm: no such file or directory"
INFO [01-23|04:07:31.668] Starting peer-to-peer node              instance=Geth-EtherCore/v1.9.9-stable-443f4bb3/linux-amd64/go1.13.6
INFO [01-23|04:07:31.669] Allocated trie memory caches            clean=166.00MiB dirty=166.00MiB
INFO [01-23|04:07:31.669] Allocated cache and file handles        database=/home/ubuntu/.ethercore/test/geth/chaindata cache=332.00MiB handles=524288
INFO [01-23|04:07:31.698] Opened ancient database                 database=/home/ubuntu/.ethercore/test/geth/chaindata/ancient
INFO [01-23|04:07:31.698] Writing custom genesis block
INFO [01-23|04:07:31.699] Persisted trie from memory database     nodes=6 size=862.00B time=83.521µs gcnodes=0 gcsize=0.00B gctime=0s livenodes=1 livesize=0.00B
INFO [01-23|04:07:31.699] Initialised chain configuration         config="{ChainID: 468 Homestead: 0 DAO: <nil> DAOSupport: true EIP150: 0 EIP155: 0 EIP158: 0 Byzantium: 0 Constantinople: 0 Petersburg: 0 Istanbul: 0 Muir Glacier: <nil> ProgPoW: 0 EtherCore: 0 Halving Block: 100000000 Engine: ethash}"
INFO [01-23|04:07:31.700] Disk storage enabled for ethash caches   dir=/home/ubuntu/.ethercore/test/geth/ethash count=3
INFO [01-23|04:07:31.700] Disk storage enabled for ethash DAGs     dir=/home/ubuntu/.ethash                count=2
INFO [01-23|04:07:31.700] Initialising EtherCore protocol          versions="[64 63]" network=468 dbversion=<nil>
WARN [01-23|04:07:31.700] Upgrade blockchain database version      from=<nil> to=7
INFO [01-23|04:07:31.701] Loaded most recent local header          number=0 hash=882bef·cbd2f5 td=524288 age=1d18m43s
INFO [01-23|04:07:31.701] Loaded most recent local full block      number=0 hash=882bef·cbd2f5 td=524288 age=1d18m43s
INFO [01-23|04:07:31.701] Loaded most recent local fast block      number=0 hash=882bef·cbd2f5 td=524288 age=1d18m43s
INFO [01-23|04:07:31.701] Regenerated local transaction journal    transactions=0 accounts=0
INFO [01-23|04:07:31.711] Allocated fast sync bloom                size=332.00MiB
```
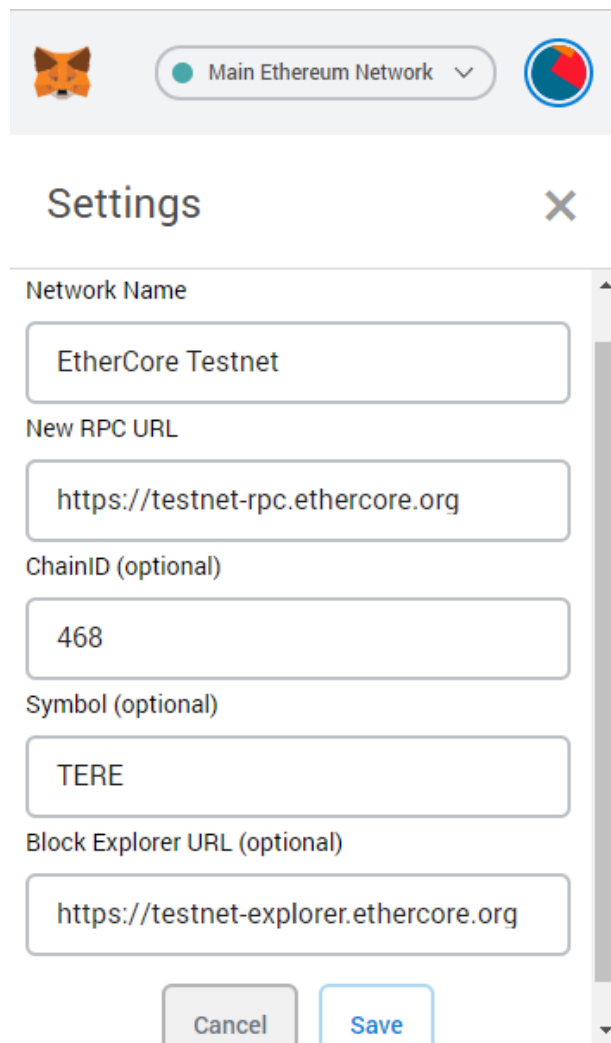
2. Connecting Metamask

You could connect EtherCore Testnet with your Metamask plugin installed on your browser.

Add the following config value to Custom RPC settings.

Network Name: EtherCore Testnet

New RPC URL: https://testnet-rpc.ethercore.org

ChainID: 468

Symbol: ERE

Block Explorer URL: https://testnet-explorer.ethercore.org

Now you could use your Metamask plugin to receive testnet coins, deploying contract with https://remix.ethereum.org, and interacting DApps deployed on EtherCore Testnet!

3. Receiving Testnet Coins

Create new wallet from https://wallet.ethercore.org/?network=ethercore_testnet and receive some testnet coins from https://testnet-faucet.ethercore.org to play with

ETHERCORE FAUCET

0x0CA6099ea4417012F38B08C5921909C36d440284

You can use https://testnet-rpc.ethercore.org RPC to connect to the EtherCore mainnet.

REQUEST 1 TESTNET ERE

Success

1 Testnet ERE has been successfully transferred to
0x0CA6099ea4417012F38B08C5921909C36d440284

OK
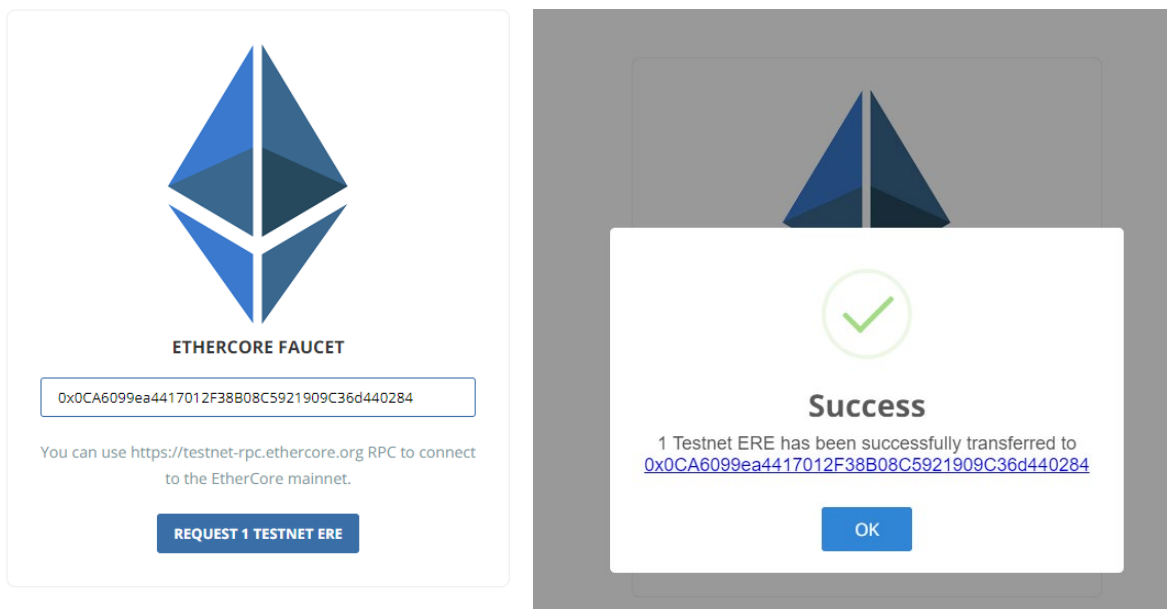
4. Mining on EtherCore Testnet

Not only requesting coins from faucet, you could also mine some testnet coins via testnet pool

https://testnet-pool.ethercore.org

Like mining on Mainnet, fetch the EthCoreMiner and start your miner with the following configuration.

Here is the example bat file for windows

```
:start
TIMEOUT 10
ethcoreminer.exe -P
stratum1+tcp://0xbf0d596191fed3c4ed421a42ee4b9bf21bc1139d.rig1@testnet-pool.ethercore.org:8008
goto start
```