Mumbai获取Matic代币

安装metamask插件，增加Mumbai测试网络

Captured with Xnip

Mumbai Testnet ∨

〈 网络 ✕

🔍 Search in settings

网络名称

Mumbai Testnet

新增 RPC URL

https://rpc-mumbai.matic.today/

链 ID ℹ

80001

货币符号

MATIC

区块浏览器 (可选)

https://mumbai-explorer.matic.today

取消　　　　　保存

在metamask上创建账户:
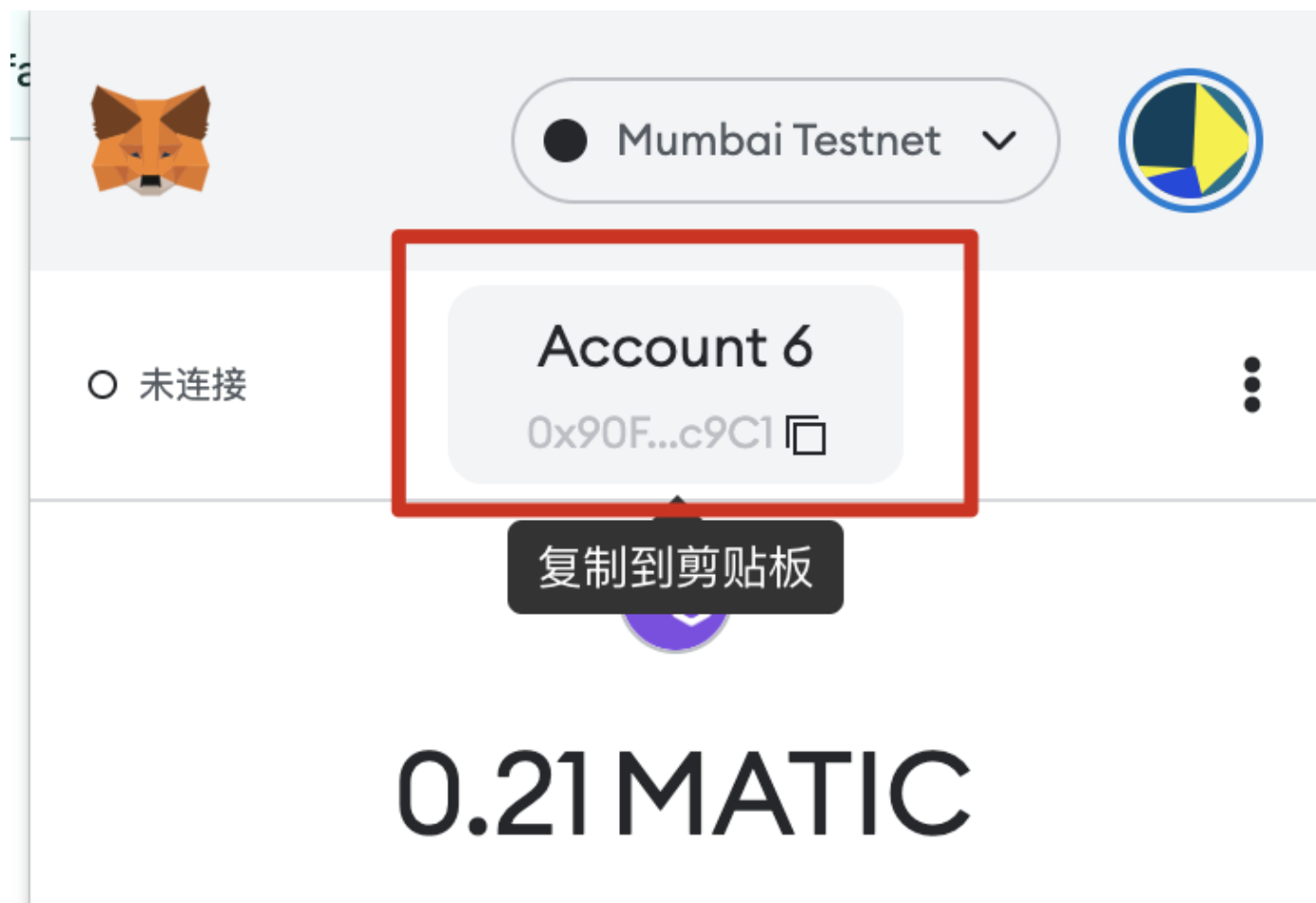
打开链接 https://faucet.polygon.technology/ 把创建好的账号复制到Wallet Address栏，按Submit，然后等1到2分钟就可以领取到matic代币，如下图

polygon Faucet

Get Test Tokens

This faucet transfers TestToken on Matic testnets and parent chain. Confirm details before submitting.

Network

| Mumbai | Goërli | Avail Devnet | Avail Testnet |

Select Token

MATIC Token ▼

Wallet Address

0xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx   Paste

Submit

发布合约代码到Mumbai网络

从metamask上或者有matic代币的账号私钥

把私钥填到mecha-contract项目的truffle-config.js配置里

```
const HDWalletProvider = require('@truffle/hdwallet-provider');
const privateKeys = '2839cb████████████████████████████████f94f13ac76fa';
// const fs = require('fs');
// const mnemonic = fs.readFileSync(".secret").toString().trim();
module.exports = {
  /**
   * Networks define how you connect to your ethereum client and let you set the
   * defaults web3 uses to send transactions. If you don't specify one truffle
   * will spin up a development blockchain for you on port 9545 when you
   * run `develop` or `test`. You can ask a truffle command to use a specific
   * network from the command line, e.g
   *
   * $ truffle test --network <network-name>
   */

  networks: {
    // Useful for testing. The `development` name is special - truffle uses it by default
    // if it's defined here and no other network is specified at the command line.
    // You should run a client (like ganache-cli, geth or parity) in a separate terminal
    // tab if you use this network and you must also set the `host`, `port` and `network_id`
    // options below to some value.
    //
    development: {
      // host: "192.168.2.118",     // Localhost (default: none)
      // port: 8501,
      host: "127.0.0.1",
      port: 7545,            // Standard Ethereum port (default: none)
      network_id: "*",       // Any network (default: none)
      // gas: 20000000000000,
      gas: 8000000,
      // gasPrice: 20,
    },
    mumbai: {// https://rpc-mumbai.matic.today
      provider: () => new HDWalletProvider(privateKeys, `https://matic-mumbai.chainstacklabs.com`),
      // accounts: [privateKeys],
      network_id: 80001,     // Any network (default: none)
      // gasPrice: 20,
      gas: 8000000,
      confirmations: 2,
      timeoutBlocks: 200,
      skipDryRun: true
    },
```

执行`truffle mirgate --network mumbai`发布全部合约到测试网 如果想发布某一个合约就执行`truffle mirgate -f 7 --to 7 --network mumbai` 如下是发布成功后的打印信息:

```
1_initial_migration.js
======================

   Deploying 'Migrations'
   ----------------------
   > transaction hash:
0x2c1914a9667bad810076eb618a243d3320992ee1dbea7b77e6f3d7e810cd6f41
   > Blocks: 3          Seconds: 14
   > contract address:    0x689A488055F23F236c2eca228718d1D6D6CFa9e8
   > block number:        26695776
   > block timestamp:     1654926383
   > account:             0xDf40D489563D6040daa47c87Cd785EcE2cB8d4a8
   > balance:             1.598583095713537048
   > gas used:            179786 (0x2be4a)
```

```
         > gas price:              1.000000008 gwei
         > value sent:             0 ETH
         > total cost:             0.000179786001438288 ETH

   2_initial_mecha.js
   =================

      Deploying 'MechaCore'
      ---------------------
      > transaction hash:
   0xe58cbf21d8a3d49601e7b0f1b6802474b0fa2f6f25f1be7f8a6df5dbf77c433d
         > Blocks: 2              Seconds: 22
         > contract address:      0x2C27ca18e912c900AD43751E0Ee7c4C8D2577D26
         > block number:          26695809
         > block timestamp:       1654926559
         > account:               0xDf40D489563D6040daa47c87Cd785EcE2cB8d4a8
         > balance:               1.586905733620118152
         > gas used:              5801553 (0x588651)
         > gas price:             1.000000008 gwei
         > value sent:            0 ETH
         > total cost:            0.005801553046412424 ETH

      Pausing for 2 confirmations...
      ------------------------------
      > confirmation number: 1 (block: 26695810)
      > confirmation number: 2 (block: 26695811)

      > Saving migration to chain.
      > Saving artifacts
      ---------------------------------------
      > Total cost:      0.005801553046412424 ETH

   3_initial_sec.js
   ================

      Deploying 'SECERC20'
      --------------------
      > transaction hash:
   0x0e6c8acf5569a22172685005a22a9dae55aa115ea98fb6f8db99bbc4fe9c8d56
         > Blocks: 1              Seconds: 10
         > contract address:      0xE184824A287d171DadfdDaFa90ab2350A52aB5aE
         > block number:          26695824
         > block timestamp:       1654926709
         > account:               0xDf40D489563D6040daa47c87Cd785EcE2cB8d4a8
         > balance:               1.586068643613421432
         > gas used:              811312 (0xc6130)
         > gas price:             1.000000008 gwei
         > value sent:            0 ETH
         > total cost:            0.000811312006490496 ETH

      Pausing for 2 confirmations...
      ------------------------------
      > confirmation number: 1 (block: 26695825)
      > confirmation number: 2 (block: 26695826)

      > Saving migration to chain.
      > Saving artifacts
      ---------------------------------------
      > Total cost:      0.000811312006490496 ETH
```

```
4_initial_mec.js
================

   Deploying 'MECERC20'
   --------------------
   > transaction hash:
0x15ccdc9794ccfbcb0cad95905b703938dc420246b615bae364508f984f789d94
   > Blocks: 1            Seconds: 14
   > contract address:    0xd7c5292BC46333c4212DaacB10FD82B6D1cb1214
   > block number:        26695832
   > block timestamp:     1654926789
   > account:             0xDf40D489563D6040daa47c87Cd785EcE2cB8d4a8
   > balance:             1.585183972606344064
   > gas used:            856093 (0xd101d)
   > gas price:           1.000000008 gwei
   > value sent:          0 ETH
   > total cost:          0.000856093006848744 ETH

   Pausing for 2 confirmations...
   ------------------------------
   > confirmation number: 1 (block: 26695833)
   > confirmation number: 2 (block: 26695834)

   > Saving migration to chain.
   > Saving artifacts
   ---------------------------------------
   > Total cost:     0.000856093006848744 ETH

5_initial_hlc.js
================

   Deploying 'HLCERC20'
   --------------------
   > transaction hash:
0xd26c349f7623c4310e725366a284af7ffb4fef2496d7dddfe789b7b841ce6919
   > Blocks: 2            Seconds: 10
   > contract address:    0x54B62465192101eeF3fDC3eD6dde7E2ccbe0F51B
   > block number:        26695741
   > block timestamp:     1654926207
   > account:             0xDf40D489563D6040daa47c87Cd785EcE2cB8d4a8
   > balance:             1.598762881714975336
   > gas used:            1205583 (0x12654f)
   > gas price:           1.000000008 gwei
   > value sent:          0 ETH
   > total cost:          0.001205583009644664 ETH

   Pausing for 2 confirmations...
   ------------------------------
   > confirmation number: 1 (block: 26695743)
   > confirmation number: 3 (block: 26695745)
   > Saving artifacts
   ---------------------------------------
   > Total cost:     0.001205583009644664 ETH

6_initial_mlc.js
================

   Deploying 'MLCERC20'
```

```
                    _____
         > transaction hash:
    0xc6eafebdb1126f84d18db8996bec6ec049f93462e8ec594d80b4f3b92e4f4406
         > Blocks: 2              Seconds: 18
         > contract address:       0x89942A1FDd7C70B7DbEf1a54C85fB6c7360963e3
         > block number:           26695842
         > block timestamp:        1654926889
         > account:                0xDf40D489563D6040daa47c87Cd785EcE2cB8d4a8
         > balance:                1.583949811596470776
         > gas used:               1205583 (0x12654f)
         > gas price:              1.000000008 gwei
         > value sent:             0 ETH
         > total cost:             0.001205583009644664 ETH


         Pausing for 2 confirmations...
         _____
         > confirmation number: 1 (block: 26695843)
         > confirmation number: 2 (block: 26695844)


         > Saving migration to chain.
         > Saving artifacts
         _____
         > Total cost:      0.001205583009644664 ETH


    7_initial_llc.js
    ================


         Deploying 'LLCERC20'
         _____
         > transaction hash:
    0x8903f65c821e6720d8cb115232776fd9b1c4d6955af66c9a458d4a137068025c
         > Blocks: 1              Seconds: 14
         > contract address:       0xC92B5E981a223931d15F9782E9910E21C02e241E
         > block number:           26695850
         > block timestamp:        1654926969
         > account:                0xDf40D489563D6040daa47c87Cd785EcE2cB8d4a8
         > balance:                1.582715650586597488
         > gas used:               1205583 (0x12654f)
         > gas price:              1.000000008 gwei
         > value sent:             0 ETH
         > total cost:             0.001205583009644664 ETH


         Pausing for 2 confirmations...
         _____
         > confirmation number: 1 (block: 26695851)
         > confirmation number: 2 (block: 26695852)


         > Saving migration to chain.
         > Saving artifacts
         _____
         > Total cost:      0.001205583009644664 ETH
```

参考: https://wiki.aavegotchi.com/cn/mumbai-testnet

https://docs.polygon.technology/docs/develop/truffle/