

# Blockcore

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## Blockcore /// Create

### PREVIEW - NOT FULLY FUNCTIONAL

Our tools makes it super easy to create your own blockchain, but there is quite a few configuration parameters that needs to be set for the tools.

This page will generate the commands for you, making it even quicker and easier to get started.

### Configuration

Name (no whitespace)

Ticker/Symbol ?

Coin Type (HD index) ?

Genesis Text ?

Magic Header (Hex), must be unique pr. blockchain?

Coin Address Prefix ?

Script Address Prefix ?

Secret Address Prefix ?

Premine Reward

Last Proof-of-Work block

Proof-of-Work Reward

Proof-of-Stake Reward

Port (Peer-to-peer TCP port)

RPC Port

API Port

Port: RegTest

RPC Port: RegTest

API Port: RegTest

Port: Test

RPC Port: Test

API Port: Test

DNS Seed 1

DNS Seed 2

Node 1 IP address

Node 2 IP address

pos-timestamp-mask

pos-version

target-spacing

## Commands

Here are the generated output commands you can copy and paste to your local computer.

Choose your operating system:

Windows ▾

## Prerequisites

[.NET Core SDK](#)

[Blockcore Genesis Generator](#)

## Generate Your Genesis Block

Command:

```
Blockcore.Generator.exe "Data should be a free asset for everyone"
```

This will generate an "genesis.json" file. You must open this file and copy the entire file into input below:

Genesis JSON

```
{
  "description": "Genesis Blocks Generated by Blockcore Genesis Block Generator v1.0.",
  "url": "https://www.blockcore.net",
  "creationDate": "2024-01-29T23:55:51.4001178+01:00",
  "coinBaseText": "Data should be a free asset for everyone",
  "networks": [
    {
      "network": "Main",
      "url": "https://www.blockcore.net"
    }
  ]
}
```

## Generate Your Blockchain Node Software

First you must install the template project:

```
dotnet new --install Blockcore.Coin.Template
```

Download this generated file and run it in a new and empty folder you create on your computer.

Download Script (generate.bat)

*Note on warnings: You will see warnings on your computer when download this script. You must accept that the file is kept / saved anyway.*

If you don't want to download or are unable to, you can see the contents here and manually copy and run it on your computer:

```
chcp 65001
dotnet new blockcorecoin ^
--output TheBlockchainDB ^
--cointicker BDB ^
--magic "41-27-41-27" ^
--cointype 4127 ^
--pubkeyaddress 25 ^
--scriptaddress 125 ^
--secretaddress 117 ^
--pow-reward 10 ^
--pos-reward 10 ^
--pos-timestamp-mask "0000000F" ^
--pos-version 3 ^
--premine-reward 1000000 ^
--port 41271 ^
--rpcport 41272 ^
--apiport 41273 ^
--port-regtest 41281 ^
--rpcport-regtest 41282 ^
--apiport-regtest 41283 ^
--port-test 41291 ^
--rpcport-test 41292 ^
--apiport-test 41293 ^
--target-spacing 64 ^
--lastpowblock 25000 ^
--seeddns1 "seed1.theblockchaindb.net" ^
--seeddns2 "seed2.theblockchaindb.net" ^
--seednode1 "20.203.218.206" ^
--seednode2 "89.217.169.40" ^
--genesistext "Data should be a free asset for everyone" ^
--genesis-time-main 1706568919 ^
--genesis-nonce-main 129283 ^
--genesis-bits-main "1E0FFFFFF" ^
--genesis-block-hash-main "000006e8f2a2e2eae539a2e9c782c372cdba0cc4d03923144a2edda3beaf7582" ^
--genesis-merkle-hash-main "14db9110295464d9a6c6760893ccd9ccf41489c691d0cd29afcdab1ed8ef4a41" ^
--genesis-time-regtest 1706568927 ^
--genesis-nonce-regtest 388227 ^
--genesis-bits-regtest "1F0FFFFFF" ^
--genesis-block-hash-regtest "000095f3ddf51c5ce3cb6ee13a526fb2b3f90af9c9d9867d4b108da98096ced4" ^
--genesis-merkle-hash-regtest "1be118dbd8244fba981c4a7fed514ece2f423e27ea931525921ea132b9f2ae69" ^
--genesis-time-test 1706568951 ^
--genesis-nonce-test 771 ^
--genesis-bits-test "1F0FFFFFF" ^
--genesis-block-hash-test "00065a26c8c4695d1df7a54148dd03ccbe0d1070180edb211afaf26dc2cd929f" ^
--genesis-merkle-hash-test "3f926bc83c29cfc186a2b8662a4e9fe4cf97722e45de1890ab2306ac219a75c1" ^
--force
```

If successful you should see the output: *"The template "Blockcore Coin" was created successfully."*

## Congratulations!

You now have a folder on your computer with the source code that can be compiled into a running node software. The node software even includes basic wallet functionality.

Blockchain technology is advanced and there are still more steps to be completed before you have a fully functional blockchain up and running. You need multiple nodes, you need mining / staking nodes. You might want to have DNS nodes. We'll provide instructions for this in the future, until then, join our Discord with the invite link at the bottom of this page.

## Extend your ecosystem

### Add your blockchain to supported chains

If you want to, you can now submit your blockchain to the supported chains list. If you do this, the Explorer and Indexer can more easily be adopted to your chain.

<https://github.com/block-core/chaininfo>

### Add an Indexer for your chain

<https://github.com/block-core/blockcore-indexer>

## Add an Explorer for your chain

<https://github.com/block-core/blockcore-explorer>

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