Search Docs

Other Documentation Guides

Please first read through the Nexus Docs.

Testnet Datasheet

Latest versions

Consensus client: nexus v1.0.3

Execution client: nexus-geth v1.0.1

Active fork

`Belgrade` fork from block height `6211000`.

Consensus Bootnode

> *"The enode address of the consensus bootnode."*

```
/ip4/85.10.195.125/tcp/1580/p2p/16Uiu2HAmFCqV7BS2WkoCudESBfWNcaEAo9AR
```

Execution Bootnode

> *"The enode address of the execution bootnode."*

```
enode://411c4f8a555efb412b260c28efe6d1f53d4224d1be4ef8a85d93c0872eecd
```

Supported EVM version

> *"The named version of the EVM."*

Cancun

Chain ID

> *"Unique identifier of the chain used for EIP-155 replay protection."*

`9070`

Consensus Client Configuration

```
block_time_s: 2
execution_genesis_hash: "0xd5e46105991a70a95dfc5416e125b18a41486694b3
 ...
```

Consensus Client Genesis

```
// consensus-genesis.json
{
    "name": "nexus",
    "genesis": {
        "nonce": "0x0000000000000000",
        "timestamp": "0x0",
        "extraData": "0x00000000000000000000000000000000000000000000000
```

```
        "gasLimit": "0x500000",
        "difficulty": "0x1",
        "mixHash": "0x0000000000000000000000000000000000000000000000000000
        "coinbase": "0x0000000000000000000000000000000000000000",
        "alloc": {},
        "number": "0x0",
        "gasUsed": "0x70000",
        "parentHash": "0x000000000000000000000000000000000000000000000000000
    },
    "params": {
        "forks": {
            "homestead": 0,
            "byzantium": 0,
            "constantinople": 0,
            "petersburg": 0,
            "istanbul": 0,
            "EIP150": 0,
            "EIP158": 0,
            "EIP155": 0,
            "Belgrade": 6211000
        },
        "chainID": 100,
        "engine": {
            "ibft": {
                "epochSize": 100000,
                "type": "PoA",
                "validator_type": "ecdsa"
            }
        },
        "blockGasTarget": 0
    },
    "bootnodes": [
        "/ip4/85.10.195.125/tcp/1580/p2p/16Uiu2HAmFCqV7BS2WkoCudESBfW
    ]
}
```

Execution Client Genesis

```json
// execution-genesis.json
{
  "config": {
    "chainId": 9070,
    "homesteadBlock": 0,
    "daoForkSupport": true,
    "eip150Block": 0,
    "eip155Block": 0,
    "eip158Block": 0,
    "byzantiumBlock": 0,
    "constantinopleBlock": 0,
    "petersburgBlock": 0,
    "istanbulBlock": 0,
    "muirGlacierBlock": 0,
    "berlinBlock": 0,
    "londonBlock": 0,
    "arrowGlacierBlock": 0,
    "grayGlacierBlock": 0,
    "shanghaiTime": 1725148800,
    "cancunTime": 1725148800,
    "pragueTime": 17251488000,
    "terminalTotalDifficulty": 0,
    "terminalTotalDifficultyPassed": true
  },
  "nonce": "0x0",
  "timestamp": "0x66dae07b",
  "extraData": "0x000000000000000000000000000000000000000000000000000000000
  "gasLimit": "0x1c9c380",
  "difficulty": "0x1",
  "mixHash": "0x00000000000000000000000000000000000000000000000000000000
  "coinbase": "0x0000000000000000000000000000000000000000",
  "alloc": {
    "0xEe639cDA5D46Bd32D0013bB75f60F3E691D9839f": {
      "balance": "0x9B18AB5DF7180B6B8000000"
    },
    "0xd144cdD5E24a07CBAc8986f5211C1320fa2588F8": {
      "balance": "0x21E19E0C9BAB2400000"
    },
    "0x4BC4892F8B01B9aFc99BCB827c39646EE78bCF06": {
```

```json
      "balance": "0x21E19E0C9BAB2400000"
    }
  },
  "number": "0x0",
  "gasUsed": "0x0",
  "parentHash": "0x0000000000000000000000000000000000000000000000000000000000
  "baseFeePerGas": null,
  "excessBlobGas": null,
  "blobGasUsed": null
}
```

Privacy policy   Terms of service