

# Week8-8.21

## 8.22 Epoch Number, Block Number Height Epoch Height

Conflux

epoch number

block number

height

epoch height

1. Epoch Number

Con

epoch

epoch

pivot

epoch

epoch number

epoch number

2. Block Number

epoch

block number

block number

block numebr

epoch number

block number

3. Height

height

height

epoch number

C D G

Height

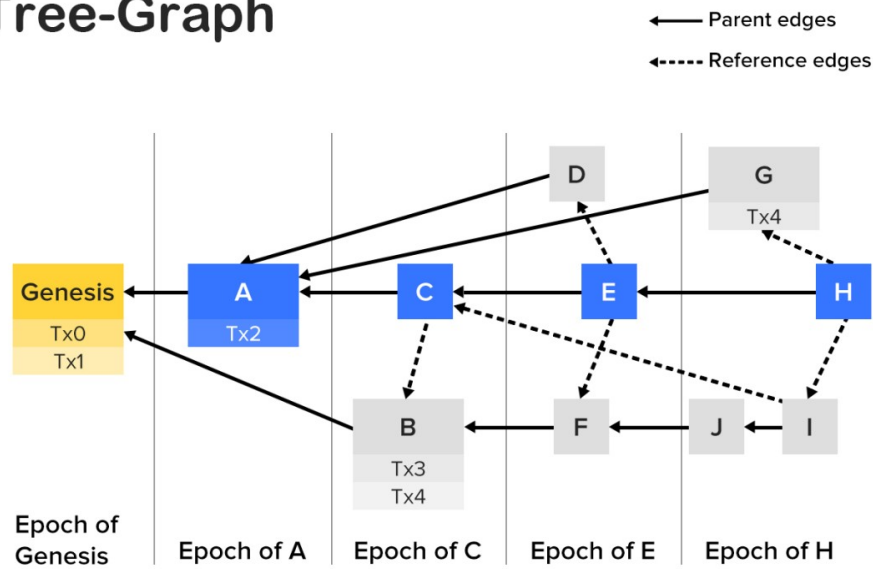
4. Epoch Height

epoch height

epoch number

EpochHeight

### Tree-Graph



## 8.23

Conflux

Collateral for storage

Conflux

64

1/16 CFX

8.24

Conflux      `setSponsorForCollateral( address contractAddr)`      CFX      CFX

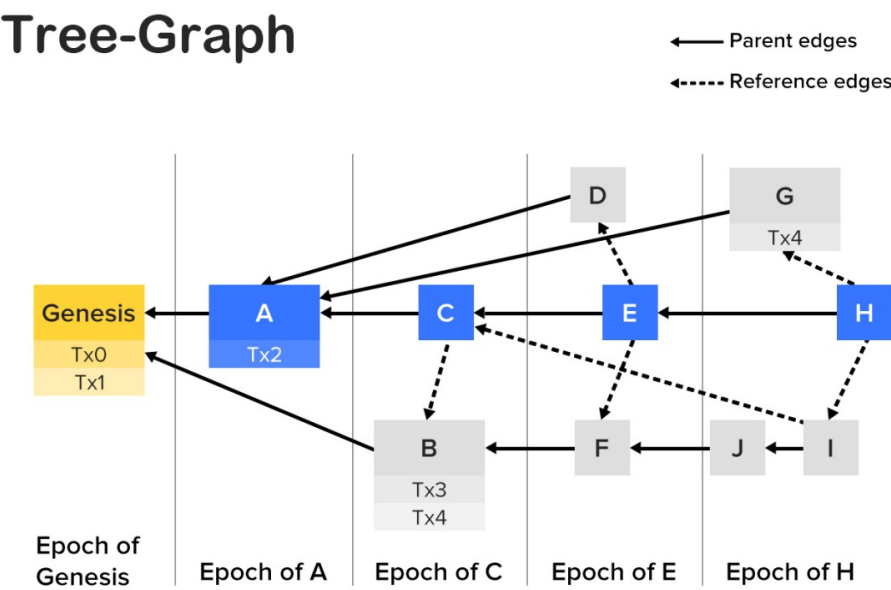
8.25      Staking      CFX

Conflux      [Staking](#)      CFX CFX      CFX

- 1.      POS[POS](#)
- 2. [CIP-94 On-chain DAO Vote for Chain Parameters](#)

8.26      Pivot      RPC

Pivot      Conflux      Conflux      RPC      Pivot



- 1. `cfx_getStatus`   `cfx_getBestBlockHash`   `cfx_getStatus`   `bestHash`      epoch Pivot  
    `cfx_getBestBlockHash`

```
// getStatus
{
  "jsonrpc": "2.0",
  "result": {
    "bestHash": "0xe4bf02ad95ad5452c7676d3dfc2e57fde2a70806c2e68231c58c77cdda5b7c6c",
```

```

    "chainId": "0x1",
    "networkId": "0x1",
    "blockNumber": "0x1a80325",
    "epochNumber": "0xaf28ab",
    "latestCheckpoint": "0xada520",
    "latestConfirmed": "0xaf2885",
    "latestState": "0xaf28a7",
    "latestFinalized": "0x2a420c",
    "ethereumSpaceChainId": "0x22b9",
    "pendingTxNumber": "0x0"
  },
  "id": 1
}

```

2. `cfx_getBlocksByEpoch`    RPC    Epoch    blockNumber    Pivot .

```

// Result
{
  "jsonrpc": "2.0",
  "result": [
    "0x618e813ed93f1020bab13a1ab77e1550da6c89d9c69de837033512e91ac46bd0",
    "0x0f6ac81dcbc612e72e0019681bcec32254a34bd29a6bbab91e5e8dc37ecb64d5",
    "0xad3238c00456adfbf847d251b004c1e306fe637227bb1b9917d77bd5b207af68",
    "0x0f92c2e796be7b016d8b74c6c270fb1851e47fabaca3e464d407544286d6cd34",
    "0x5bcc2b8d2493797fcadf7b80228ef5b713eb9ff65f7cdd86562db629d0caf721",
    "0x7fcdc6ffff506b19a2bd72cd3430310915f19a59b046759bb790ba4eeb95e9956",
    "0xf4f33ed08e1c625f4dde608eeb92991d77fff26122bab28a6b3a2037511dcc83",
    "0xa3762adc7f066d5cb62c683c2655be3bc3405ff1397f77d2e1dbeff2d8522e00",
    "0xba7588476a5ec7e0ade00f060180cadb7430fd1be48940414baac48c0d39556d",
    "0xe4dc4541d07118b598b2ec67bbdaa219eb1d649471fe7b5667a0001d83b1e9b6",
    "0x93a15564544c57d6cb68dbdf60133b318a94439e1f0a9ccb331b0f5a0aaf8049" // pivot
  ],
  "id": 1
}

```

3. `cfx_getBlockByHashWithPivotAssumption`    RPC `cfx_getBlockByHash`    RPC  
       1 blockHash 2 assumedPivotHash 3 epochNumber    blockHash    RPC

Revision #13

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