

Setup geth client - in slides.

Genesis json file (called myGenesis_1984.json in our example)

```
{
  "config": {
    "chainId": 1984,
    "homesteadBlock": 0,
    "eip155Block": 0,
    "eip158Block": 0
  },
  "difficulty": "400",
  "gasLimit": "2000000",
  "alloc": {
    "5c6c5ade01740571156e73f53a1b0ac837aeaaa9": {
      "balance": "1000"
    }
  }
}
```

COMMANDS:

geth account new

geth init myGenesis_1984.json

Start geth with an interactive console

geth --maxpeers 2 --nodiscover --networkid 1984 console 2>>1984eth.log

<different commands in the interactive console>

admin.nodeInfo.enode

admin.peers

eth.coinbase

eth.getbalance(eth.coinbase)

miner.start()

eth.getbalance(eth.coinbase)

miner.stop()

Geth can also start with different command lines and without an interactive console

```
geth --mine --nodiscover --maxpeers 1 --networkid 1984 --rpc --rpccorsdomain ""
```

--mine Enable mining

--nodiscover Disables the peer discovery mechanism (manual peer addition)

--maxpeers value Maximum number of network peers (network disabled if set to 0) (default: 25)

--networkid value Network identifier (integer, 1=Frontier, 2=Morden (disused), 3=Ropsten) (default: 1)

--rpc Enable the HTTP-RPC server

--rpccorsdomain value Comma separated list of domains from which to accept cross origin requests (browser enforced)