Geth Commands & Options

Let's look at the parameters and commands of the Go-Ethereum client.

Commands

account	Manage accounts
attach	Start an interactive JavaScript environment (connect to node)
Bug	opens a window to report a bug on the geth repo
console	Start an interactive JavaScript environment
dumpconfig	Show configuration values
export	Export blockchain into file
import	Import a blockchain file
Init	Bootstrap and initialize a new genesis block
removedb	Remove blockchain and state databases
version	Print version numbers
help, h	Shows a list of commands or help for one command

Ethereum Options

--datadir "/root/.ethereum"	Data directory for the databases and keystore
--keystore	Directory for the keystore (default = inside the datadir)
--networkid value	Network identifier (integer, 1=Frontier, 2=Morden (disused), 3=Ropsten, 4=Rinkeby) (default: 1)
--testnet	Ropsten network: pre-configured proof-of-work test network
--rinkeby	Rinkeby network: pre-configured proof-of-authority test network
--syncmode "fast"	Blockchain sync mode ("fast", "full", or "light")

Developer Chain Options

--dev	Ephemeral proof-of-authority network with a pre-funded developer account, mining enabled

Account Options

--unlock value	Comma separated list of accounts to unlock
--password value	Password file to use for non-interactive password input

API And Console Options

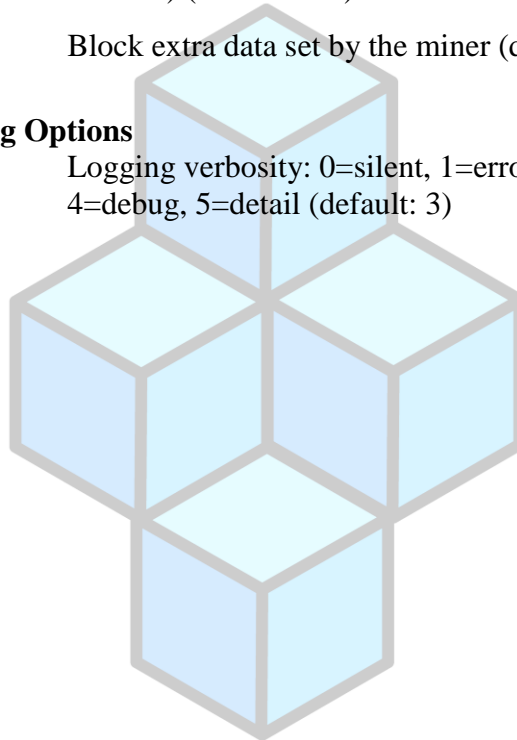|	
--rpc	Enable the HTTP-RPC server
--rpcaddr value	HTTP-RPC server listening interface (default: "localhost")
--rpcport value	HTTP-RPC server listening port (default: 8545)
--rpcapi value	API's offered over the HTTP-RPC interface
--ipcdisable	Disable the IPC-RPC server
--ipcpath	Filename for IPC socket/pipe within the datadir (explicit paths escape it)
--rpccorsdomain value	Comma separated list of domains from which to accept cross origin requests (browser enforced)

Networking Options

--bootnodes value   Comma separated enode URLs for P2P discovery bootstrap
--port value   Network listening port (default: 30303)
--maxpeers value   Maximum number of network peers (network disabled if set to 0) (default: 25)

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

Miner Options

--mine   Enable mining

--miner.etherbase value Public address for block mining rewards (default = first account) (default: "0")

--miner.extradata value Block extra data set by the miner (default = client version)

Logging and Debugging Options

--verbosity value   Logging verbosity: 0=silent, 1=error, 2=warn, 3=info, 4=debug, 5=detail (default: 3)