

# Execution Layer Configuration Options (op-geth)

You can configure your node using the command line options below (also called flags). There are also sub-commands, which can be used to invoke functionality such as the console or blockchain import/export. This page lists all configuration options for op-geth. op-geth implements the Execution-Layer, with minimal changes for a secure Ethereum-equivalent application environment. The following are options from [v1.10.1308.0 \(opens in a new tab\)](#)

Please note that the executable is still named `geth` to maintain [backward compatibility \(opens in a new tab\)](#).

## Global Options

### Account

#### **allow-insecure-unlock**

Allows insecure account unlocking when account-related RPCs are exposed by HTTP. The default value is `false`.

Syntax Example Environment Variable `--allow-insecure-unlock`

#### **keystore**

Directory for the keystore. The default is inside the data directory.

Syntax Example Environment Variable `--keystore`

#### **lightkdf**

Reduce key-derivation RAM & CPU usage at some expense of KDF strength. The default value is `false`.

Syntax Example Environment Variable `--lightkdf`

#### **password**

Password file to use for non-interactive password input.

Syntax Example Environment Variable `--password`

#### **pcscdpath**

Path to the smartcard daemon (pcscd) socket file. The default value is `"/run/pcscd/pcscd.comm"`.

Syntax Example Environment Variable `--pcscdpath`

#### **signer**

External signer (url or path to ipc file).

Syntax Example Environment Variable `--signer`

#### **unlock**

Comma separated list of accounts to unlock.

Syntax Example Environment Variable `--unlock`

#### **usb**

Enable monitoring and management of USB hardware wallets. The default value is `false`.

Syntax Example Environment Variable `--usb`

## API and Console

#### **authrpc.addr**

Listening address for authenticated APIs. The default value is `"localhost"`.

Syntax Example Environment Variable --authrpc.addr

### **authrpc.jwtsecret**

Path to a JWT secret to use for authenticated RPC endpoints.

Syntax Example Environment Variable --authrpc.jwtsecret

### **authrpc.port**

Listening port for authenticated APIs. The default value is8551 .

Syntax Example Environment Variable --authrpc.port

### **authrpc.vhosts**

Comma separated list of virtual hostnames from which to accept requests (server enforced). The default value is"localhost" . Accepts '\*' wildcard.

Syntax Example Environment Variable --authrpc.vhosts

### **exec**

Execute JavaScript statement.

Syntax Example Environment Variable --exec

### **graphql**

Enable GraphQL on the HTTP-RPC server. Note that GraphQL can only be started if an HTTP server is started as well. The default value isfalse .

Syntax Example Environment Variable --graphql

### **graphql.corsdomain**

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

Syntax Example Environment Variable --graphql.corsdomain

### **graphql.vhosts**

Comma separated list of virtual hostnames from which to accept requests (server enforced). The default value is"localhost" . Accepts '\*' wildcard.

Syntax Example Environment Variable --graphql.vhosts

### **header**

Pass custom headers to the RPC server when using--remotedb or the geth attach console. This flag can be given multiple times.

Syntax Example Environment Variable --header ,-H

### **http**

Enable the HTTP-RPC server. The default value isfalse .

Syntax Example Environment Variable --http

### **http.addr**

HTTP-RPC server listening interface. The default value is"localhost" .

Syntax Example Environment Variable --http.addr

### **http.api**

API's offered over the HTTP-RPC interface.

Syntax Example Environment Variable --http.api

### **http.corsdomain**

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

Syntax Example Environment Variable --http.corsdomain

### **http.port**

HTTP-RPC server listening port. The default value is 8545 .

Syntax Example Environment Variable --http.port

### **http.rpcprefix`[](<https://docs.optimism.io/builders/node-operators/configuration/execution-config#httprpcprefix>)**

HTTP path prefix on which JSON-RPC is served. Use '/' to serve on all paths.

Syntax Example Environment Variable --http.rpcprefix

### **http.vhosts**

Comma separated list of virtual hostnames from which to accept requests (server enforced). The default value is "localhost" . Accepts '\*' wildcard.

Syntax Example Environment Variable --http.vhosts

### **ipcdisable**

Disable the IPC-RPC server. The default value is false .

Syntax Example Environment Variable --ipcdisable

### **ipcpath**

Filename for IPC socket/pipe within the datadir (explicit paths escape it).

Syntax Example Environment Variable --ipcpath

### **jspath**

JavaScript root path for loadScript . The default value is. (current directory).

Syntax Example Environment Variable --jspath

### **preload**

Comma separated list of JavaScript files to preload into the console.

Syntax Example Environment Variable --preload

### **rpc.allow-unprotected-txs**

Allow for unprotected (non EIP155 signed) transactions to be submitted via RPC. The default value is false .

Syntax Example Environment Variable --rpc.allow-unprotected-txs

### **rpc.batch-request-limit**

Maximum number of requests in a batch. The default value is 1000 .

Syntax Example Environment Variable --rpc.batch-request-limit=

### **rpc.batch-response-max-size**

Maximum number of bytes returned from a batched call. The default value is 25000000 .

Syntax Example Environment Variable --rpc.batch-response-max-size=

### **rpc.enableddeprecatedpersonal**

Enables the (deprecated) personal namespace. The default value is false .

Syntax Example Environment Variable --rpc.enableddeprecatedpersonal

### **rpc.evmtimeout**

Sets a timeout used for eth\_call (0=infinite). The default value is 5s .

Syntax Example Environment Variable --rpc.evmtimeout

### **rpc.gascap**

Sets a cap on gas that can be used in eth\_call/estimateGas (0=infinite). The default value is 50000000 .

Syntax Example Environment Variable --rpc.gascap=

### **rpc.txfeecap**

Sets a cap on transaction fee (in ether) that can be sent via the RPC APIs (0 = no cap). The default value is 1 .

Syntax Example Environment Variable --rpc.txfeecap=

### **ws**

Enable the WS-RPC server. The default value is false .

Syntax Example Environment Variable --ws

### **ws.addr**

WS-RPC server listening interface. The default value is "localhost" .

Syntax Example Environment Variable --ws.addr=

### **ws.api**

API's offered over the WS-RPC interface.

Syntax Example Environment Variable --ws.api=

### **ws.origins**

Origins from which to accept websockets requests.

Syntax Example Environment Variable --ws.origins=

### **ws.port**

WS-RPC server listening port. The default value is 8546 .

Syntax Example Environment Variable --ws.port=

### **ws.rpcprefix**

HTTP path prefix on which JSON-RPC is served over WS. Use '/' to serve on all paths.

Syntax Example Environment Variable --ws.rpcprefix=

## **Developer Chain**

### **dev**

Ephemeral proof-of-authority network with a pre-funded developer account, mining enabled. The default value is false .

Syntax Example Environment Variable --dev

### **dev.gaslimit**

Initial block gas limit. The default value is 11500000 .

Syntax Example Environment Variable --dev.gaslimit=

### **dev.period**

Block period to use in developer mode (0 = mine only if transaction pending). The default value is 0 .

Syntax Example Environment Variable --dev.period=

## **Ethereum**

### **bloomfilter.size**

Megabytes of memory allocated to bloom-filter for pruning. The default value is 2048 .

Syntax Example Environment Variable --bloomfilter.size=

### **config**

TOML configuration file.

Syntax Example Environment Variable --config=

### **datadir**

Data directory for the databases and keystore. The default value is /home/.ethereum .

Syntax Example Environment Variable --datadir=

### **datadir.ancient**

Root directory for ancient data (default = inside chaindata).

Syntax Example Environment Variable --datadir.ancient=

### **datadir.minfreedisk**

Minimum free disk space in MB, once reached triggers auto shut down (default = --cache.gc converted to MB, 0 = disabled).

Syntax Example Environment Variable --datadir.minfreedisk=

### **db.engine**

Backing database implementation to use ('pebble' or 'leveldb').

Syntax Example Environment Variable --db.engine=

### **eth.requiredblocks**

Comma separated block number-to-hash mappings to require for peering (≠ ).

Syntax Example Environment Variable --eth.requiredblocks=

### **exitwhensynced**

Exits after block synchronization completes. The default value is false .

Syntax Example Environment Variable --exitwhensynced

### **goerli**

Görli network: pre-configured proof-of-authority test network. The default value is false .

Syntax Example Environment Variable --goerli

### **holesky**

Holesky network: pre-configured proof-of-stake test network. The default value is false .

Syntax Example Environment Variable --holesky

### **mainnet**

Ethereum mainnet. The default value is false .

Syntax Example Environment Variable --mainnet

### **networkid**

Explicitly set network id (integer). The default value is 1 . For testnets: use --goerli, --sepolia, --holesky instead.

Syntax Example Environment Variable --networkid

### **op-network, beta.op-network**

Select a pre-configured OP-Stack network (warning: op-mainnet and op-goerli require special sync, datadir is recommended), options: base-devnet-0-goerli-dev-0, base-devnet-0-sepolia-dev-0, base-goerli, base-mainnet, base-sepolia, conduit-devnet-0-goerli-dev-0, lyra-mainnet, mode-mainnet, op-goerli, op-labs-chaosnet-0-goerli-dev-0, op-labs-devnet-0-goerli-dev-0, op-mainnet, op-sepolia, oplabs-devnet-0-sepolia-dev-0, orderly-mainnet, pgn-mainnet, pgn-sepolia, zora-mainnet, zora-sepolia

Syntax Example Environment Variable --op-network=

### **override.cancun**

Manually specify the Cancun fork timestamp, overriding the bundled setting. The default value is 0 .

Syntax Example Environment Variable --override.cancun=

### **override.canyon**

Manually specify the Optimism Canyon fork timestamp, overriding the bundled setting. The default value is 0 .

Syntax Example Environment Variable --override.canyon=

### **override.ecotone**

Manually specify the Optimism Ecotone fork timestamp, overriding the bundled setting. The default value is 0 .

Syntax Example Environment Variable --override.ecotone=

### **override.interop**

Manually specify the Optimism Interop feature-set fork timestamp, overriding the bundled setting. The default value is 0 .

Syntax Example Environment Variable --override.interop=

### **override.verkle**

Manually specify the Verkle fork timestamp, overriding the bundled setting. The default value is 0 .

Syntax Example Environment Variable --override.verkle=

### **sepolia**

Sepolia network: pre-configured proof-of-work test network. The default value is false .

Syntax Example Environment Variable --sepolia

### **snapshot**

Enables snapshot-database mode. The default value is true .

Syntax Example Environment Variable --snapshot

## Gas Price Oracle

### **gpo.blocks**

Number of recent blocks to check for gas prices. The default value is 20 .

Syntax Example Environment Variable --gpo.blocks=

### **gpo.ignoreprice**

Gas price below which GPO will ignore transactions. The default value is 2 .

Syntax Example --gpo.ignoreprice=

### **gpo.maxprice**

Maximum transaction priority fee (or gas price before London fork) to be recommended by GPO. The default value is 5000000000000 .

Syntax Example --gpo.maxprice=

### **gpo.minsuggestedpriorityfee**

Minimum transaction priority fee to suggest. Used on OP chains when blocks are not full. The default value is 1000000 .

Syntax Example --gpo.minsuggestedpriorityfee=

### **gpo.percentile**

Suggested gas price is the given percentile of a set of recent transaction gas prices. The default value is 60 .

Syntax Example Environment Variable --gpo.percentile=

## Light Client

### **light.egress**

Outgoing bandwidth limit for serving light clients (deprecated). The default value is 0 .

Syntax Example Environment Variable --light.egress=

### **light.ingress**

Incoming bandwidth limit for serving light clients (deprecated). The default value is 0 .

Syntax Example Environment Variable --light.ingress=

### **light.maxpeers**

Maximum number of light clients to serve, or light servers to attach to (deprecated). The default value is 100 .

Syntax Example Environment Variable --light.maxpeers=

### **light.nopruning**

Disable ancient light chain data pruning (deprecated). The default value is false .

Syntax Example Environment Variable --light.nopruning

### **light.nosyncserve**

Enables serving light clients before syncing (deprecated) The default value is false .

Syntax Example Environment Variable --light.nosyncserve

## **light.serve**

Maximum percentage of time allowed for serving LES requests (deprecated). The default value is 0 .

Syntax Example Environment Variable --light.serve=

## **Logging and Debugging**

### **log.compress**

Compress the log files. The default value is false .

Syntax Example Environment Variable --log.compress

### **log.file**

Write logs to a file.

Syntax Example Environment Variable --log.file=

### **log.format**

Log format to use (json|logfmt|terminal).

Syntax Example Environment Variable --log.format=

### **log.maxage**

Maximum number of days to retain a log file. The default value is 30 .

Syntax Example Environment Variable --log.maxage=

### **log.maxbackups**

Maximum number of log files to retain. The default value is 10 .

Syntax Example Environment Variable --log.maxbackups=

### **log.maxsize**

Maximum size in MBs of a single log file. The default value is 100 .

Syntax Example Environment Variable --log.maxsize=

### **log.rotate**

Enables log file rotation. The default value is false .

Syntax Example Environment Variable --log.rotate

### **log.vmodule**

Per-module verbosity: comma-separated list of= (e.g. eth/\*=5,p2p=4).

Syntax Example Environment Variable --log.vmodule=

### **nocompaction**

Disables database compaction after import. The default value is false .

Syntax Example Environment Variable --nocompaction

### **pprof**

Enable the pprof HTTP server. The default value is false .

Syntax Example Environment Variable --pprof



### **pprof.addr**

pprof HTTP server listening interface. The default value is "127.0.0.1" .

Syntax Example Environment Variable --pprof.addr=

### **pprof.blockprofilerate**

Turn on block profiling with the given rate. The default value is 0 .

Syntax Example Environment Variable --pprof.blockprofilerate=

### **pprof.cpuprofile**

Write CPU profile to the given file.

Syntax Example --pprof.cpuprofile=

### **pprof.memprofilerate**

Turn on memory profiling with the given rate. The default value is 524288 .

Syntax Example Environment Variable --pprof.memprofilerate=

### **pprof.port**

pprof HTTP server listening port. The default value is 6060 .

Syntax Example Environment Variable --pprof.port=

### **remotedb**

URL for remote database.

Syntax Example Environment Variable --remotedb=

### **trace**

Write execution trace to the given file.

Syntax Example Environment Variable --trace=

### **verbosity**

Logging verbosity: 0=silent, 1=error, 2=warn, 3=info, 4=debug, 5=detail. The default value is 3 .

Syntax Example Environment Variable --verbosity=

## **Metrics and Stats**

### **ethstats**

Reporting URL of an ethstats service (nodename:secret@host:port).

Syntax Example Environment Variable --ethstats=

### **metrics**

Enable metrics collection and reporting. The default value is false .

Syntax Example Environment Variable --metrics

### **metrics.addr**

Enable stand-alone metrics HTTP server listening interface.

Syntax Example Environment Variable --metrics.addr=

### **metrics.expensive**

Enable expensive metrics collection and reporting. The default value is false .

Syntax Example Environment Variable --metrics.expensive

### **metrics.influxdb**

Enable metrics export/push to an external InfluxDB database. The default value is false .

Syntax Example Environment Variable --metrics.influxdb

### **metrics.influxdb.bucket**

InfluxDB bucket name to push reported metrics to (v2 only). The default value is "geth" .

Syntax Example Environment Variable --metrics.influxdb.bucket=

### **metrics.influxdb.database**

InfluxDB database name to push reported metrics to. The default value is "geth" .

Syntax Example Environment Variable --metrics.influxdb.database=

### **metrics.influxdb.endpoint**

InfluxDB API endpoint to report metrics to. The default value is "http://localhost:8086" .

Syntax Example Environment Variable --metrics.influxdb.endpoint=

### **metrics.influxdb.organization**

InfluxDB organization name (v2 only). The default value is "geth" .

Syntax Example Environment Variable --metrics.influxdb.organization=

### **metrics.influxdb.password**

Password to authorize access to the database. The default value is "test" .

Syntax Example Environment Variable --metrics.influxdb.password=

### **metrics.influxdb.tags**

Comma-separated InfluxDB tags (key/values) attached to all measurements. The default value is "host=localhost" .

Syntax Example Environment Variable --metrics.influxdb.tags=

### **metrics.influxdb.token**

Token to authorize access to the database (v2 only). The default value is "test" .

Syntax Example Environment Variable --metrics.influxdb.token=

### **metrics.influxdb.username**

Username to authorize access to the database. The default value is "test" .

Syntax Example Environment Variable --metrics.influxdb.username=

### **metrics.influxdbv2**

Enable metrics export/push to an external InfluxDB v2 database. The default value is false .

Syntax Example Environment Variable --metrics.influxdbv2

### **metrics.port**

Metrics HTTP server listening port. The default value is 6060 . Please note that `--metrics.addr` must be set to start the server.

Syntax Example Environment Variable `--metrics.port=`

## **Miner**

### **mine**

Enable mining. The default value is `false` .

Syntax Example Environment Variable `--mine`

### **miner.ethersbase**

0x prefixed public address for block mining rewards.

Syntax Example Environment Variable `--miner.ethersbase=`

### **miner.extradata**

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

Syntax Example Environment Variable `--miner.extradata=`

### **miner.gaslimit**

Target gas ceiling for mined blocks. The default value is 30000000 .

Syntax Example Environment Variable `--miner.gaslimit=`

### **miner.gasprice**

Minimum gas price for mining a transaction. The default value is 0 .

Syntax Example Environment Variable `--miner.gasprice=`

### **miner.newpayload-timeout**

Specify the maximum time allowance for creating a new payload. The default value is 2s .

Syntax Example Environment Variable `--miner.newpayload-timeout=`

### **miner.recommit**

Time interval to recreate the block being mined. The default value is 2s .

Syntax Example Environment Variable `--miner.recommit=`

## **Miscellaneous**

### **help**

Show help. This is typically used to display command-line options and usage information.

Syntax Example `--help` or `-h`

### **synctarget**

Hash of the block to full sync to (dev testing feature).

Syntax Example Environment Variable `--synctarget=`

### **version**

Nodes built from source do not output the correct version numbers that are reported on the GitHub release page. Print the version. This option is typically used to display the version of the software.

Syntax Example `--version` or `-v`

## Networking

### **bootnodes**

Comma separated enode URLs for P2P discovery bootstrap.

Syntax Example Environment Variable --bootnodes=

### **discovery.dns**

Sets DNS discovery entry points (use "" to disable DNS).

Syntax Example Environment Variable --discovery.dns=

### **discovery.port**

Use a custom UDP port for P2P discovery. The default value is 30303 .

Syntax Example Environment Variable --discovery.port=

### **discovery.v4**

Enables the V4 discovery mechanism. The default value is true .

Syntax Example Environment Variable --discovery.v4 or --discv4

### **discovery.v5**

Enables the experimental RLPx V5 (Topic Discovery) mechanism. The default value is false .

Syntax Example Environment Variable --discovery.v5 or --discv5

### **identity**

Custom node name.

Syntax Example Environment Variable --identity=

### **maxpeers**

Maximum number of network peers (network disabled if set to 0). The default value is 50 .

Syntax Example Environment Variable --maxpeers=

### **maxpendpeers**

Maximum number of pending connection attempts (defaults used if set to 0). The default value is 0 .

Syntax Example Environment Variable --maxpendpeers=

### **nat**

NAT port mapping mechanism (any|none|upnp|pmp|pmp:extip: ). The default value is "any" .

Syntax Example Environment Variable --nat=

### **netrestrict**

Restricts network communication to the given IP networks (CIDR masks).

Syntax Example Environment Variable --netrestrict=

### **nodekey**

P2P node key file.

Syntax Example Environment Variable --nodekey=

## **nodekeyhex**

P2P node key as hex (for testing).

Syntax Example Environment Variable --nodekeyhex=

## **nodiscover**

Disables the peer discovery mechanism (manual peer addition). The default value is false .

Syntax Example Environment Variable --nodiscover

## **port**

Network listening port. The default value is 30303 .

Syntax Example Environment Variable --port=

## **Performance Tuning**

### **cache**

Megabytes of memory allocated to internal caching. The default is 4096 MB for mainnet full node and 128 MB for light mode.

Syntax Example Environment Variable --cache=

### **cache.blocklogs**

Size (in number of blocks) of the log cache for filtering. The default value is 32 .

Syntax Example Environment Variable --cache.blocklogs=

### **cache.database**

Percentage of cache memory allowance to use for database I/O. The default value is 50 .

Syntax Example Environment Variable --cache.database=

### **cache.gc**

Percentage of cache memory allowance to use for trie pruning. The default is 25% for full mode and 0% for archive mode.

Syntax Example Environment Variable --cache.gc=

### **cache.noprefetch**

Disable heuristic state prefetch during block import (less CPU and disk IO, more time waiting for data). The default value is false .

Syntax Example Environment Variable --cache.noprefetch

### **cache.preimages**

Enable recording the SHA3/keccak preimages of trie keys. The default value is false .

Syntax Example Environment Variable --cache.preimages

### **cache.snapshot**

Percentage of cache memory allowance to use for snapshot caching. The default is 10% for full mode and 20% for archive mode.

Syntax Example Environment Variable --cache.snapshot=

### **cache.trie**

Percentage of cache memory allowance to use for trie caching. The default is 15% for full mode and 30% for archive mode.

Syntax Example Environment Variable --cache.trie=

### **crypto.kzg**

KZG library implementation to use; gokzg (recommended) or ckzg. The default value is "gokzg" .

Syntax Example Environment Variable --crypto.kzg=

### **fdlimit**

Raise the open file descriptor resource limit. The default is the system fd limit.

Syntax Example Environment Variable --fdlimit=

## **Rollup Node**

### **rollup.computePendingBlock**

By default, the pending block equals the latest block to save resources and not leak transactions from the tx-pool. This flag enables computing of the pending block from the tx-pool instead. The default value is false .

Syntax Example Environment Variable --rollup.computePendingBlock

### **rollup.disableTxPoolGossip**

Disable transaction pool gossip. The default value is false .

Syntax Example Environment Variable --rollup.disableTxPoolGossip

### **rollup.halt**

Opt-in option to halt on incompatible protocol version requirements of the given level (major/minor/patch/none), as signaled through the Engine API by the rollup node.

Syntax Example Environment Variable --rollup.halt=

### **rollup.historicalRpc**

RPC endpoint for historical data.

Syntax Example Environment Variable --rollup.historicalRpc

### **rollup.historicalRpcTimeout**

Timeout for historical RPC requests. The default value is 5s .

Syntax Example Environment Variable --rollup.historicalRpcTimeout=

### **rollup.sequencerHttp**

HTTP endpoint for the sequencer mempool.

Syntax Example Environment Variable --rollup.sequencerHttp=

### **rollup.superchain-upgrades**

Apply superchain-registry config changes to the local chain-configuration. The default value is true .

Syntax Example Environment Variable --rollup.superchain-upgrades or --beta.rollup.superchain-upgrades

## **State History Management**

### **gcmode**

Blockchain garbage collection mode, only relevant if state.scheme=hash . Options are "full" and "archive". The default value is "full" .

Syntax Example Environment Variable --gcmode=

## **history.state**

Number of recent blocks to retain state history for. The default is 90000 blocks, with 0 representing the entire chain.

Syntax Example Environment Variable --history.state=

## **history.transactions**

Number of recent blocks to maintain transactions index for. The default is about one year (2350000 blocks), with 0 representing the entire chain.

Syntax Example Environment Variable --history.transactions=

## **state.scheme**

Scheme to use for storing Ethereum state. Options are 'hash' or 'path'.

Syntax Example Environment Variable --state.scheme=

## **syncmode**

Blockchain sync mode. Options are "snap", or "full". The default value is "snap" .

Syntax Example Environment Variable --syncmode=

## **Transaction Pool (Blob)**

### **blobpool.datacap**

Disk space to allocate for pending blob transactions (soft limit). The default value is 10737418240 .

Syntax Example Environment Variable --blobpool.datacap=

### **blobpool.pricebump**

Price bump percentage to replace an already existing blob transaction. The default value is 100 .

Syntax Example Environment Variable --blobpool.pricebump=

## **Transaction Pool (EVM)**

### **txpool.accountqueue**

Maximum number of non-executable transaction slots permitted per account. The default value is 64 .

Syntax Example Environment Variable --txpool.accountqueue=

### **txpool.accountslots**

Minimum number of executable transaction slots guaranteed per account. The default value is 16 .

Syntax Example Environment Variable --txpool.accountslots=

### **txpool.globalqueue**

Maximum number of non-executable transaction slots for all accounts. The default value is 1024 .

Syntax Example Environment Variable --txpool.globalqueue=

### **txpool.globalslots**

Maximum number of executable transaction slots for all accounts. The default value is 5120 .

Syntax Example Environment Variable --txpool.globalslots=

### **txpool.journal**

Disk journal for local transactions to survive node restarts. The default value is "transactions.rlp" .

Syntax Example Environment Variable --txpool.journal=

### **txpool.journalremotes**

Includes remote transactions in the journal. The default value is false .

Syntax Example Environment Variable --txpool.journalremotes

### **txpool.lifetime**

Maximum amount of time non-executable transactions are queued. The default value is 3h0m0s .

Syntax Example Environment Variable --txpool.lifetime=

### **txpool.locals**

Comma-separated accounts to treat as locals (no flush, priority inclusion).

Syntax Example Environment Variable --txpool.locals=

### **txpool.nolocals**

Disables price exemptions for locally submitted transactions. The default value is false .

Syntax Example Environment Variable --txpool.nolocals

### **txpool.pricebump**

Price bump percentage to replace an already existing transaction. The default value is 10 .

Syntax Example Environment Variable --txpool.pricebump=

### **txpool.pricelimit**

Minimum gas price tip to enforce for acceptance into the pool. The default value is 1 .

Syntax Example Environment Variable --txpool.pricelimit=

### **txpool.rejournal**

Time interval to regenerate the local transaction journal. The default value is 1h0m0s .

Syntax Example Environment Variable --txpool.rejournal=

## **Virtual Machine**

### **vmdebug**

Record information useful for VM and contract debugging. The default value is false .

Syntax Example Environment Variable --vmdebug

[Consensus Layer Configuration Using Blobs](#)