

# Proposer Configuration

This page lists all configuration options for op-proposer. The op-proposer posts the output roots to the L1, to make it available for verifiers. The following options are from the --help in [v1.7.6 \(opens in a new tab\)](#).

## Global Options

### active-sequencer-check-duration

The duration between checks to determine the active sequencer endpoint. The default value is 2m0s.

Syntax Example Environment Variable --active-sequencer-check-duration=

### allow-non-finalized

Allow the proposer to submit proposals for L2 blocks from non-finalized L1 blocks. The default value is false.

Syntax Example Environment Variable --allow-non-finalized=

### fee-limit-multiplier

The multiplier applied to fee suggestions to limit fee increases. The default value is 5.

Syntax Example Environment Variable --fee-limit-multiplier=

### game-factory-address

Address of the DisputeGameFactory contract.

Syntax Example Environment Variable --game-factory-address=

### game-type

Dispute game type to create via the configured DisputeGameFactory. The default value is 0.

Syntax Example Environment Variable --game-type=

### hd-path

The HD path used to derive the sequencer wallet from the mnemonic.

Syntax Example Environment Variable --hd-path=

### l1-eth-rpc

HTTP provider URL for L1.

Syntax Example Environment Variable --l1-eth-rpc=

### l2-output-hd-path

DEPRECATED: The HD path used to derive the L2output wallet from the mnemonic.

Syntax Example Environment Variable --l2-output-hd-path=

### l2oo-address

Address of the L2OutputOracle contract.

Syntax Example Environment Variable --l2oo-address=

### log.color

Color the log output if in terminal mode. The default value is false.

Syntax Example Environment Variable --log.color=

## **log.format**

Format the log output. Supported formats: 'text', 'terminal', 'logfmt', 'json', 'json-pretty'. The default value is text.

Syntax Example Environment Variable --log.format=

## **log.level**

The lowest log level that will be output. The default value is INFO.

Syntax Example Environment Variable --log.level=

## **metrics.addr**

Metrics listening address. The default value is "0.0.0.0".

Syntax Example Environment Variable --metrics.addr=

## **metrics.enabled**

Enable the metrics server. The default value is false.

Syntax Example Environment Variable --metrics.enabled=

## **metrics.port**

Metrics listening port. The default value is 7300.

Syntax Example Environment Variable --metrics.port=

## **mnemonic**

The mnemonic used to derive the wallets for the service.

Syntax Example Environment Variable --mnemonic=

## **network-timeout**

Timeout for all network operations. The default value is 10s.

Syntax Example Environment Variable --network-timeout=

## **num-confirmations**

Number of confirmations to wait after sending a transaction. The default value is 10.

Syntax Example Environment Variable --num-confirmations=

## **poll-interval**

How frequently to poll L2 for new blocks. The default value is 6s.

Syntax Example Environment Variable --poll-interval=

## **pprof.addr**

pprof listening address. The default value is "0.0.0.0".

Syntax Example Environment Variable --pprof.addr=

## **pprof.enabled**

Enable the pprof server. The default value is false.

Syntax Example Environment Variable --pprof.enabled=

## **pprof.path**

pprof file path. If it is a directory, the path is{dir}/{profileType}.prof

Syntax Example Environment Variable --pprof.path=

### **pprof.port**

pprof listening port. The default value is 6060.

Syntax Example Environment Variable --pprof.port=

### **pprof.type**

pprof profile type. One of cpu, heap, goroutine, threadcreate, block, mutex, allocs

Syntax Example Environment Variable --pprof.type=

### **private-key**

The private key to use with the service. Must not be used with mnemonic.

Syntax Example Environment Variable --private-key=

### **proposal-interval**

Interval between submitting L2 output proposals when the dispute game factory address is set. The default value is 0s.

Syntax Example Environment Variable --proposal-interval=

### **resubmission-timeout**

Duration we will wait before resubmitting a transaction to L1. The default value is 48s.

Syntax Example Environment Variable --resubmission-timeout=

### **rollup-rpc**

HTTP provider URL for the rollup node. A comma-separated list enables the active rollup provider.

Syntax Example Environment Variable --rollup-rpc=

### **rpc.addr**

rpc listening address. The default value is "0.0.0.0".

Syntax Example Environment Variable --rpc.addr=

### **rpc.enable-admin**

Enable the admin API. The default value is false.

Syntax Example Environment Variable --rpc.enable-admin=

### **rpc.port**

rpc listening port. The default value is 8545.

Syntax Example Environment Variable --rpc.port=

### **safe-abort-nonce-too-low-count**

Number of ErrNonceTooLow observations required to give up on a tx at a particular nonce without receiving confirmation. The default value is 3.

Syntax Example Environment Variable --safe-abort-nonce-too-low-count=

### **signer.address**

Address the signer is signing transactions for.

Syntax Example Environment Variable --signer.address=

## **signer.endpoint**

Signer endpoint the client will connect to.

Syntax Example Environment Variable --signer.endpoint=

## **signer.tls.ca**

tls ca cert path. The default value is "tls/ca.crt".

Syntax Example Environment Variable --signer.tls.ca=

## **signer.tls.cert**

tls cert path. The default value is "tls/tls.crt".

Syntax Example Environment Variable --signer.tls.cert=

## **signer.tls.key**

tls key. The default value is "tls/tls.key".

Syntax Example Environment Variable --signer.tls.key=

## **txmgr.fee-limit-threshold**

The minimum threshold (in GWei) at which fee bumping starts to be capped. The default value is 100.

Syntax Example Environment Variable --txmgr.fee-limit-threshold=

## **txmgr.min-basefee**

Enforces a minimum base fee (in GWei) to assume when determining tx fees. The default value is 1.

Syntax Example Environment Variable --txmgr.min-basefee=

## **txmgr.min-tip-cap**

Enforces a minimum tip cap (in GWei) to use when determining tx fees. The default value is 1.

Syntax Example Environment Variable --txmgr.min-tip-cap=

## **txmgr.not-in-mempool-timeout**

Timeout for aborting a tx send if the tx does not make it to the mempool. The default value is 2m0s.

Syntax Example Environment Variable --txmgr.not-in-mempool-timeout=

## **txmgr.receipt-query-interval**

Frequency to poll for receipts. The default value is 12s.

Syntax Example Environment Variable --txmgr.receipt-query-interval=

## **txmgr.send-timeout**

Timeout for sending transactions. If 0 it is disabled. The default value is 0s.

Syntax Example Environment Variable --txmgr.send-timeout=

## **wait-node-sync**

Indicates if, during startup, the proposer should wait for the rollup node to sync to the current L1 tip before proceeding with its driver loop. The default value is false.

Syntax Example Environment Variable --wait-node-sync=

## **Miscellaneous**

## **help**

Show help. The default value is false.

Syntax Example Environment Variable --help=

## **version**

Print the version. The default value is false.

Syntax Example Environment Variable --version=

[Batcher Configuration Using Blobs](#)