

seid start

Run the full node application with Tendermint in or out of process. By default, the application will run with Tendermint in process.

Pruning options can be provided via the '--pruning' flag or alternatively with '--pruning-keep-recent', 'pruning-keep-every', and 'pruning-interval' together.

For '--pruning' the options are as follows:

default: the last 100 states are kept in addition to every 500th state; pruning at 10 block intervals nothing: all historic states will be saved, nothing will be deleted (i.e. archiving node) everything: all saved states will be deleted, storing only the current and previous state; pruning at 10 block intervals custom: allow pruning options to be manually specified through 'pruning-keep-recent', 'pruning-keep-every', and 'pruning-interval'

Node halting configurations exist in the form of two flags: '--halt-height' and '--halt-time'. During the ABCI Commit phase, the node will check if the current block height is greater than or equal to the halt-height or if the current block time is greater than or equal to the halt-time. If so, the node will attempt to gracefully shutdown and the block will not be committed. In addition, the node will not be able to commit subsequent blocks.

For profiling and benchmarking purposes, CPU profiling can be enabled via the '--cpu-profile' flag which accepts a path for the resulting pprof file.

The node may be started in a 'query only' mode where only the gRPC and JSON HTTP API services are enabled via the 'grpc-only' flag. In this mode, Tendermint is bypassed and can be used when legacy queries are needed after an on-chain upgrade is performed. Note, when enabled, gRPC will also be automatically enabled.

Usage: seid start [flags]

Flags: --abci string specify abci transport (socket | grpc) (default "socket") --address string Listen address (default "tcp://0.0.0.0:26658") --archival-arweave-index-db-full-path string Full local path to the levelDB used for indexing arweave data --archival-arweave-node-url string Arweave Node URL that stores archived data --archival-db-type string Archival DB type. Valid options: arweave --archival-version int Application data before this version is stored in archival DB --chain-id string Chain ID --compaction-interval uint Time interval in between forced levelDB compaction. 0 means no forced compaction. --concurrency-workers int Number of workers to process concurrent transactions (default 20) --consensus.create-empty-blocks set this to false to only produce blocks when there are txs or when the AppHash changes (default true) --consensus.create-empty-blocks-interval string the possible interval between empty blocks (default "0s") --consensus.double-sign-check-height int how many blocks to look back to check existence of the node's consensus votes before joining consensus --consensus.gossip-tx-key-only set this to false to gossip entire data rather than just the key (default true) --cpu-profile string Enable CPU profiling and write to the provided file --db-backend string database backend: goleveldb | cleveldb | boltdb | rocksdb | badgerdb (default "goleveldb") --db-dir string database directory (default "data") --genesis-hash bytesHex optional SHA-256 hash of the genesis file --grpc-only Start the node in gRPC query only mode (no Tendermint process is started) --grpc-web.address string The gRPC-Web server address to listen on (default "0.0.0.0:9091") --grpc-web.enable Define if the gRPC-Web server should be enabled. (Note: gRPC must also be enabled.) (default true) --grpc.address string the gRPC server address to listen on (default "0.0.0.0:9090") --grpc.enable Define if the gRPC server should be enabled (default true) --halt-height uint Block height at which to gracefully halt the chain and shutdown the node --halt-time uint Minimum block time (in Unix seconds) at which to gracefully halt the chain and shutdown the node -h, --help help for start --home string The application home directory (default "~/seid") --iavl-disable-fastnode Enable fast node for IAVL tree (default true) --inter-block-cache Enable inter-block caching (default true) --inv-check-period uint Assert registered invariants every N blocks --min-retain-blocks uint Minimum block height offset during ABCI commit to prune Tendermint blocks --minimum-gas-prices string Minimum gas prices to accept for transactions; Any fee in a tx must meet this minimum (e.g. 0.01photino;0.0001stake) --mode string node mode (full | validator | seed) (default "full") --moniker string node name (default "MacBook-Pro-2.local") --num-orphan-per-file int Number of orphans to store on each file if storing orphans separately (default 100000) --orphan-dir string Directory to store orphan files if storing orphans separately (default "~/seid/orphans") --p2p.laddr string node listen address. (0.0.0.0:0 means any interface, any port) (default "tcp://0.0.0.0:26656") --p2p.persistent-peers string comma-delimited ID@host:port persistent peers --p2p.pex enable/disable Peer-Exchange (default true) --p2p.private-peer-ids string comma-delimited private peer IDs --p2p.unconditional_peer_ids string comma-delimited IDs of unconditional peers --p2p.upnp enable/disable UPNP port forwarding --priv-validator-laddr string socket address to listen on for connections from external priv-validator process --profile Enable Profiling in the application --proxy-app string proxy app address, or one of: 'kvstore', 'persistent_kvstore', 'e2e' or 'noop' for local testing. (default "tcp://127.0.0.1:26658") --pruning string Pruning strategy (default|nothing|everything|custom) (default "default") --pruning-interval uint Height interval at which pruned heights are removed from disk (ignored if pruning is not 'custom') --pruning-keep-every uint Offset heights to keep on disk after 'keep-every' (ignored if pruning is not 'custom') --pruning-keep-recent uint Number of recent heights to keep on disk (ignored if pruning is not 'custom') --rpc.laddr string RPC listen address. Port required (default "tcp://127.0.0.1:26657") --rpc.pprof-laddr string pprof listen address (https://golang.org/pkg/net/http/pprof) --rpc.unsafe enabled unsafe rpc methods --separate-orphan-storage Whether to store orphans outside main application levelDB --separate-orphan-versions-to-keep int Number of versions to keep if storing orphans separately (default 2) --state-sync.snapshot-interval uint State sync snapshot interval --state-sync.snapshot-keep-recent uint32 State sync snapshot to keep (default 2) --trace Provide full stack traces for errors in ABCI Log --trace-store string Enable KVStore tracing to an output file --tracing Enable Tracing for the app --transport string Transport protocol:

socket, grpc (default "socket") --unsafe-skip-upgrades ints Skip a set of upgrade heights to continue the old binary --with-tendermint Run abci app embedded in-process with tendermint (default true) --x-crisis-skip-assert-invariants Skip x/crisis invariants check on startup

Global Flags: --log_format string The logging format (json|plain) --log_level string The logging level (trace|debug|info|warn|error|fatal|panic) Last updated on July 1, 2024 [rollback status](#)