Filecoin Lotus command

1   lotus

NAME :   lotus - Filecoin decentralized storage network client
USAGE :   lotus [global options] command [command options] [arguments…]
VERSION :   1.1.2+git.d4cdc6d33
COMMANDS:

  daemon   Start a lotus daemon process
  backup   Create node metadata backup
  version Print version
  help, h Shows a list of commands or help for one command
  basic:
    send   Send funds between accounts
    wallet Manage wallet
    client Make deals, store data, retrieve data
    msig   Interact with a multisig wallet
    paych   Manage payment channels
  developer:
    auth   Manage RPC permissions
    mpool   Manage message pool
    state   Interact with and query filecoin chain state
    chain   Interact with filecoin blockchain
    log   Manage logging
    wait-api   Wait for lotus api to come online
    fetch-params Fetch proving parameters
  network:
    net   Manage P2P Network
    sync Inspect or interact with the chain syncer
GLOBAL OPTIONS:
    --help, -h   show help (default: false)
    --version, -v print the version (default: false)

1.1   lotus daemon

USAGE :   lotus daemon command [command options] [arguments…]
COMMANDS:
  stop   Stop a running lotus daemon
  help, h Shows a list of commands or help for one command

OPTIONS:
  --api value   (default: "1234")
  --genesis value   genesis file to use for first node run
  --bootstrap   (default: true)
  --import-chain value   on first run, load chain from given file or url and validate
  --import-snapshot value import chain state from a given chain export file or url
  --halt-after-import   halt the process after importing chain from file (default: false)
  --pprof value   specify name of file for writing cpu profile to
  --profile value   specify type of node
  --manage-fdlimit   manage open file limit (default: true)
  --config value   specify path of config file to use
  --help, -h   show help (default: false)
  --version, -v   print the version (default: false)

1.2 `lotus backup`

NAME : lotus backup - Create node metadata backup
USAGE : lotus backup [command options] [backup file path]
DESCRIPTION:
  The backup command writes a copy of node metadata under the specified path
Online backups:
For security reasons, the daemon must be have LOTUS_BACKUP_BASE_PATH env var set
to a path where backup files are supposed to be saved, and the path specified in this command must be within this base path
OPTIONS:
  --offline   create backup without the node running (default: false)
  --help, -h show help (default: false)

1.3 `lotus version`

NAME : lotus version - Print version
USAGE : lotus version [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

1.4 `lotus help, h`

NAME :   - Shows a list of commands or help for one command
USAGE :   [command options] [command]

OPTIONS:
  --help, -h show help (default: false)

1.5   `lotus send`

NAME :   lotus send - Send funds between accounts
USAGE :   lotus send [command options] [targetAddress] [amount]
CATEGORY :   basic
OPTIONS:
  --from value   optionally specify the account to send funds from
  --gas-premium value specify gas price to use in AttoFIL (default: "0")
  --gas-feecap value   specify gas fee cap to use in AttoFIL (default: "0")
  --gas-limit value   specify gas limit (default: 0)
  --nonce value   specify the nonce to use (default: -1)
  --method value   specify method to invoke (default: 0)
  --params-json value specify invocation parameters in json
  --params-hex value   specify invocation parameters in hex
  --help, -h   show help (default: false)

1.6   `lotus wallet`

USAGE :   lotus wallet command [command options] [arguments…]
COMMANDS:
  new   Generate a new key of the given type
  list   List wallet address
  balance   Get account balance
  export   export keys
  import   import keys
  default   Get default wallet address
  set-default Set default wallet address
  sign   sign a message
  verify   verify the signature of a message
  delete   Delete an account from the wallet
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.6.1 lotus wallet new

USAGE : lotus wallet new [command options] [bls|secp256k1 (default secp256k1)]

OPTIONS:
  --help, -h show help (default: false)

1.6.2 lotus wallet list

USAGE : lotus wallet list [command options] [arguments…]
OPTIONS :   --addr-only, -a Only print addresses (default: false)
  --help, -h   show help (default: false)

1.6.3 lotus wallet balance

NAME : lotus wallet list - List wallet address
USAGE : lotus wallet list [command options] [arguments…]
OPTIONS:
  --addr-only, -a Only print addresses (default: false)
  --help, -h   show help (default: false)

1.6.3.1   lotus wallet balance –addr-only

NAME :   lotus wallet balance - Get account balance
USAGE : lotus wallet balance [command options] [address]
OPTIONS:
  --help, -h show help (default: false)

1.6.4 lotus wallet export

NAME : lotus wallet export - export keys
USAGE :   lotus wallet export [command options] [address]
OPTIONS:
  --help, -h show help (default: false)

1.6.5 lotus wallet import

NAME : lotus wallet import - import keys
USAGE : lotus wallet import [command options] [<path> (optional, will read from stdin if omitted)]
OPTIONS:
  --format value specify input format for key (default: "hex-lotus")
  --as-default   import the given key as your new default key (default: false)
  --help, -h   show help (default: false)

1.6.6 louts wallet default

NAME :   lotus wallet default - Get default wallet address

USAGE: lotus wallet default [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

1.6.7 lotus wallet set-default
NAME :   lotus wallet set-default - Set default wallet address
USAGE :   lotus wallet set-default [command options] [address]
OPTIONS:
  --help, -h show help (default: false)

1.6.8 lotus wallet sign
NAME :   lotus wallet sign - sign a message
USAGE :   lotus wallet sign [command options] <signing address> <hexMessage>
OPTIONS:
  --help, -h show help (default: false)

1.6.9 lotus wallet verify
NAME :   lotus wallet verify - verify the signature of a message
USAGE :   lotus wallet verify [command options] <signing address> <hexMessage>
OPTIONS:
  --help, -h show help (default: false)

1.6.10   lotus wallet delete
NAME :   lotus wallet delete - Delete an account from the wallet
USAGE :   lotus wallet delete [command options] <address>
OPTIONS:
  --help, -h show help (default: false)

1.6.11   lotus wallet help, h
NAME :   lotus wallet help - Shows a list of commands or help for one command
USAGE :   lotus wallet help [command options] [command]
OPTIONS:
  --help, -h show help (default: false)

1.7   `lotus client`
NAME :   lotus client - Make deals, store data, retrieve data

USAGE : lotus client command [command options] [arguments...]
COMMANDS:
  help, h Shows a list of commands or help for one command
  data:
   import Import data
   drop   Remove import
   local   List locally imported data
  retrieval:
   find   Find data in the network
   retrieve Retrieve data from network
  storage:
   deal   Initialize storage deal with a miner
   query-ask Find a miners ask
   list-deals List storage market deals
   get-deal   Print detailed deal information
  util:
   commP   Calculate the piece-cid (commP) of a CAR file
   generate-car   Generate a car file from input
   info   Print storage market client information
   list-transfers   List ongoing data transfers for deals
   restart-transfer Force restart a stalled data transfer
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.7.1   lotus client import
NAME : lotus client import - Import data
USAGE : lotus client import [command options] [inputPath]
CATEGORY : data
OPTIONS:
  --car   import from a car file instead of a regular file (default: false)
  --quiet, -q Output root CID only (default: false)
  --help, -h   show help (default: false)

1.7.2   lotus client drop
NAME : lotus client drop - Remove import
USAGE : lotus client drop [command options] [import ID...]
CATEGORY : data

OPTIONS:
  --help, -h show help (default: false)

1.7.3   lotus client local

NAME :   lotus client local - List locally imported data
USAGE :   lotus client local [command options] [arguments...]
CATEGORY :   data
OPTIONS:
  --help, -h show help (default: false)

1.7.4   lotus client find

NAME :   lotus client find - Find data in the network
USAGE :   lotus client find [command options] [dataCid]
CATEGORY :   retrieval
OPTIONS:
  --pieceCid value require data to be retrieved from a specific Piece CID
  --help, -h   show help (default: false)

1.7.5   lotus client retrieve

NAME :   lotus client retrieve - Retrieve data from network
USAGE :   lotus client retrieve [command options] [dataCid outputPath]
CATEGORY :   retrieval
OPTIONS:
  --from value   address to send transactions from
  --car   export to a car file instead of a regular file (default: false)
  --miner value   miner address for retrieval, if not present it'll use local discovery
  --maxPrice value maximum price the client is willing to consider (default: 1 FIL)
  --pieceCid value require data to be retrieved from a specific Piece CID
  --help, -h   show help (default: false)

1.7.6   lotus client deal

NAME :   lotus client deal - Initialize storage deal with a miner
USAGE :   lotus client deal [command options] [dataCid miner price duration]
CATEGORY :   storage
OPTIONS:
  --manual-piece-cid value   manually specify piece commitment for data (dataCid must be to a car file)

--manual-piece-size value   if manually specifying piece cid, used to specify size (dataCid must be to a car file) (default: 0)
  --from value   specify address to fund the deal with
  --start-epoch value   specify the epoch that the deal should start at (default: -1)
  --fast-retrieval   indicates that data should be available for fast retrieval (default: true)
  --verified-deal   indicate that the deal counts towards verified client total (default: false)
  --provider-collateral value specify the requested provider collateral the miner should put up
  --help, -h   show help (default: false)

1.7.7   lotus client query-ask

NAME :   lotus client query-ask - Find a miners ask
USAGE :   lotus client query-ask [command options] [minerAddress]
CATEGORY :   storage
OPTIONS:
  --peerid value   specify peer ID of node to make query against
  --size value   data size in bytes (default: 0)
  --duration value deal duration (default: 0)
  --help, -h   show help (default: false)

1.7.8   lotus client list-deals

NAME :   lotus client list-deals - List storage market deals
USAGE :   lotus client list-deals [command options] [arguments...]
CATEGORY :   storage
OPTIONS:
  --verbose, -v print verbose deal details (default: false)
  --color   use color in display output (default: true)
  --show-failed show failed/failing deals (default: false)
  --watch   watch deal updates in real-time, rather than a one time list (default: false)
  --help, -h   show help (default: false)

1.7.9   lotus client commP

NAME :   lotus client commP - Calculate the piece-cid (commP) of a CAR file
USAGE :   lotus client commP [command options] [inputFile]

CATEGORY :   util
OPTIONS:
  --help, -h   show help (default: false)

1.7.10   lotus client generate-car

NAME :   lotus client generate-car - Generate a car file from input
USAGE :   lotus client generate-car [command options] [inputPath outputPath]
CATEGORY :   util
OPTIONS:
  --help, -h   show help (default: false)

1.7.11   lotus client info

NAME :   lotus client info - Print storage market client information
USAGE :   lotus client info [command options] [arguments...]
CATEGORY :   util
OPTIONS:
  --client value specify storage client address
  --help, -h   show help (default: false)

1.7.12   lotus client list-transfers

NAME :   lotus client list-transfers - List ongoing data transfers for deals
USAGE :   lotus client list-transfers [command options] [arguments...]
CATEGORY :   util
OPTIONS:
  --color   use color in display output (default: true)
  --completed show completed data transfers (default: false)
  --watch   watch deal updates in real-time, rather than a one time list (default:
false)
  --help, -h   show help (default: false)

1.7.13   lotus client restart-transfer

NAME :   lotus client restart-transfer - Force restart a stalled data transfer
USAGE :   lotus client restart-transfer [command options] [arguments...]
CATEGORY :   util
OPTIONS:
  --peerid value narrow to transfer with specific peer
  --initiator   specify only transfers where peer is/is not initiator (default: true)
  --help, -h   show help (default: false)

1.8 `lotus msig`

NAME : lotus msig - Interact with a multisig wallet
USAGE : lotus msig command [command options] [arguments...]
COMMANDS:
  create   Create a new multisig wallet
  inspect   Inspect a multisig wallet
  propose   Propose a multisig transaction
  propose-remove   Propose to remove a signer
  approve   Approve a multisig message
  add-propose   Propose to add a signer
  add-approve   Approve a message to add a signer
  add-cancel   Cancel a message to add a signer
  swap-propose   Propose to swap signers
  swap-approve   Approve a message to swap signers
  swap-cancel   Cancel a message to swap signers
  lock-propose   Propose to lock up some balance
  lock-approve   Approve a message to lock up some balance
  lock-cancel   Cancel a message to lock up some balance
  vested   Gets the amount vested in an msig between two epochs
  propose-threshold Propose setting a different signing threshold on the account
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --confidence value number of block confirmations to wait for (default: 5)
  --help, -h   show help (default: false)
  --version, -v   print the version (default: false)

1.8.1   lotus msig create

NAME : lotus msig create - Create a new multisig wallet
USAGE : lotus msig create [command options] [address1 address2 ...]
OPTIONS:
  --required value number of required approvals (uses number of signers provided if omitted) (default: 0)
  --value value   initial funds to give to multisig (default: "0")
  --duration value length of the period over which funds unlock (default: "0")
  --from value   account to send the create message from
  --help, -h   show help (default: false)

1.8.2   lotus msig inspect

NAME :   lotus msig inspect - Inspect a multisig wallet

USAGE :   lotus msig inspect [command options] [address]

OPTIONS:

  --vesting   Include vesting details (default: false)

  --decode-params Decode parameters of transaction proposals (default: false)

  --help, -h   show help (default: false)

1.8.3   lotus msig propose

NAME :   lotus msig propose - Propose a multisig transaction

USAGE :   lotus msig propose [command options] [multisigAddress destinationAddress value <methodId methodParams> (optional)]

OPTIONS:

  --from value account to send the propose message from

  --help, -h   show help (default: false)

1.8.4   lotus msig propose-remove

NAME :   lotus msig propose-remove - Propose to remove a signer

USAGE :   lotus msig propose-remove [command options] [multisigAddress signer]

OPTIONS:

  --decrease-threshold whether the number of required signers should be decreased (default: false)

  --from value   account to send the propose message from

  --help, -h   show help (default: false)

1.8.5   lotus msig approve

NAME :   lotus msig approve - Approve a multisig message

USAGE :   lotus msig approve [command options] <multisigAddress messageId> [proposerAddress destination value [methodId methodParams]]

OPTIONS:

  --from value account to send the approve message from

  --help, -h   show help (default: false)

1.8.6   lotus msig add-propose

NAME :   lotus msig add-propose - Propose to add a signer

USAGE :   lotus msig add-propose [command options] [multisigAddress signer]

OPTIONS:
  --increase-threshold whether the number of required signers should be increased (default: false)
  --from value   account to send the propose message from
  --help, -h   show help (default: false)

1.8.7   lotus msig add-approve

NAME :   lotus msig add-approve - Approve a message to add a signer
USAGE :   lotus msig add-approve [command options] [multisigAddress proposerAddress txId newAddress increaseThreshold]
OPTIONS:
  --from value account to send the approve message from
  --help, -h   show help (default: false)

1.8.8   lotus msig add-cancel

NAME :   lotus msig add-cancel - Cancel a message to add a signer
USAGE :   lotus msig add-cancel [command options] [multisigAddress txId newAddress increaseThreshold]
OPTIONS:
  --from value account to send the approve message from
  --help, -h   show help (default: false)

1.8.9   lotus msig swap-propose

NAME :   lotus msig swap-propose - Propose to swap signers
USAGE :   lotus msig swap-propose [command options] [multisigAddress oldAddress newAddress]
OPTIONS:
  --from value account to send the approve message from
  --help, -h   show help (default: false)

1.8.10   lotus msig swap-approve

NAME :   lotus msig swap-approve - Approve a message to swap signers
USAGE :   lotus msig swap-approve [command options] [multisigAddress proposerAddress txId oldAddress newAddress]
OPTIONS:
  --from value account to send the approve message from
  --help, -h   show help (default: false)

1.8.11　lotus msig swap-cancel

NAME : lotus msig swap-cancel - Cancel a message to swap signers

USAGE : lotus msig swap-cancel [command options] [multisigAddress txId oldAddress newAddress]

OPTIONS:

　--from value　account to send the approve message from

　--help, -h　show help (default: false)

1.8.12　lotus msig lock-propose

NAME : lotus msig lock-propose - Propose to lock up some balance

USAGE : lotus msig lock-propose [command options] [multisigAddress startEpoch unlockDuration amount]

OPTIONS:

　--from value　account to send the propose message from

　--help, -h　show help (default: false)

1.8.13　lotus msig lock-approve

NAME : lotus msig lock-approve - Approve a message to lock up some balance

USAGE : lotus msig lock-approve [command options] [multisigAddress proposerAddress txId startEpoch unlockDuration amount]

OPTIONS:

　--from value　account to send the approve message from

　--help, -h　show help (default: false)

1.8.14　lotus msig lock-cancel

NAME: lotus msig lock-cancel - Cancel a message to lock up some balance

USAGE : lotus msig lock-cancel [command options] [multisigAddress txId startEpoch unlockDuration amount]

OPTIONS:

　--from value　account to send the cancel message from

　--help, -h　show help (default: false)

1.8.15　lotus msig vested

NAME : lotus msig vested - Gets the amount vested in an msig between two epochs

USAGE : lotus msig vested [command options] [multisigAddress]

OPTIONS:

　--start-epoch value　start epoch to measure vesting from (default: 0)

--end-epoch value   end epoch to stop measure vesting at (default: -1)
--help, -h   show help (default: false)

1.8.16   lotus msig propose-threshold

NAME :   lotus msig propose-threshold - Propose setting a different signing threshold on the account
USAGE :   lotus msig propose-threshold [command options] <multisigAddress newM>
OPTIONS:
  --from value account to send the proposal from
  --help, -h   show help (default: false)

1.9   `lotus paych`

NAME :   lotus paych - Manage payment channels
USAGE :   lotus paych command [command options] [arguments…]
COMMANDS:
  add-funds   Add funds to the payment channel between fromAddress and toAddress. Creates the payment channel if it doesn't already exist.
  list   List all locally registered payment channels
  voucher   Interact with payment channel vouchers
  settle   Settle a payment channel
  status   Show the status of an outbound payment channel
  status-by-from-to Show the status of an active outbound payment channel by from/to addresses
  collect   Collect funds for a payment channel
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.9.1   lotus paych add-funds

NAME :   lotus paych add-funds - Add funds to the payment channel between fromAddress and toAddress. Creates the payment channel if it doesn't already exist.
USAGE :   lotus paych add-funds [command options] [fromAddress toAddress amount]
OPTIONS:

--restart-retrievals restart stalled retrieval deals on this payment channel
(default: true)
  --help, -h   show help (default: false)

1.9.2   lotus paych list

NAME :   lotus paych list - List all locally registered payment channels
USAGE :   lotus paych list [command options] [arguments…]
OPTIONS:
  --help, -h show help (default: false)

1.9.3   lotus paych voucher

NAME :   lotus paych voucher - Interact with payment channel vouchers
USAGE :   lotus paych voucher command [command options] [arguments…]
COMMANDS:
  create   Create a signed payment channel voucher
  check   Check validity of payment channel voucher
  add   Add payment channel voucher to local datastore
  list   List stored vouchers for a given payment channel
  best-spendable Print vouchers with highest value that is currently spendable for
each lane
  submit   Submit voucher to chain to update payment channel state
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.9.4   lotus paych settle

NAME :   lotus paych settle - Settle a payment channel
USAGE :   lotus paych settle [command options] [channelAddress]
OPTIONS:
  --help, -h show help (default: false)

1.9.5   lotus paych status

NAME :   lotus paych status - Show the status of an outbound payment channel
USAGE :   lotus paych status [command options] [channelAddress]
OPTIONS:
  --help, -h show help (default: false)

1.9.6   lotus paych status-by-from-to

NAME :   lotus paych status-by-from-to - Show the status of an active outbound payment channel by from/to addresses

USAGE :   lotus paych status-by-from-to [command options] [fromAddress toAddress]

OPTIONS:

  --help, -h show help (default: false)

1.9.7   lotus paych collect

NAME :   lotus paych collect - Collect funds for a payment channel

USAGE :   lotus paych collect [command options] [channelAddress]

OPTIONS:

  --help, -h show help (default: false)

1.10   lotus auth

NAME :   lotus auth - Manage RPC permissions

USAGE :   lotus auth command [command options] [arguments…]

COMMANDS:

  create-token Create token

  api-info   Get token with API info required to connect to this node

  help, h   Shows a list of commands or help for one command

OPTIONS:

  --help, -h   show help (default: false)

  --version, -v print the version (default: false)

1.10.1   lotus auth create-token

NAME :   lotus auth create-token - Create token

USAGE :   lotus auth create-token [command options] [arguments…]

OPTIONS:

  --perm value permission to assign to the token, one of: read, write, sign, admin

  --help, -h   show help (default: false)

1.10.2   lotus auth api-info

NAME :   lotus auth api-info - Get token with API info required to connect to this node

USAGE :   lotus auth api-info [command options] [arguments…]

OPTIONS:

  --perm value permission to assign to the token, one of: read, write, sign, admin

--help, -h   show help (default: false)

1.11 `lotus mpool`

NAME :   lotus mpool - Manage message pool

USAGE :   lotus mpool command [command options] [arguments…]

COMMANDS:

  pending   Get pending messages
  clear   Clear all pending messages from the mpool (USE WITH CARE)
  sub   Subscribe to mpool changes
  stat   print mempool stats
  replace   replace a message in the mempool
  find   find a message in the mempool
  config   get or set current mpool configuration
  gas-perf Check gas performance of messages in mempool
  help, h   Shows a list of commands or help for one command

OPTIONS:

  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.11.1   lotus mpool pending

NAME :   lotus mpool pending - Get pending messages

USAGE :   lotus mpool pending [command options] [arguments…]

OPTIONS:

  --local   print pending messages for addresses in local wallet only (default: false)
  --cids   only print cids of messages in output (default: false)
  --help, -h show help (default: false)

1.11.2   lotus mpool clear

NAME :   lotus mpool clear - Clear all pending messages from the mpool (USE WITH CARE)

USAGE :   lotus mpool clear [command options] [arguments…]

OPTIONS:

  --local   also clear local messages (default: false)
  --really-do-it must be specified for the action to take effect (default: false)
  --help, -h   show help (default: false)

1.11.3   lotus mpool sub

NAME :   lotus mpool sub - Subscribe to mpool changes

USAGE : lotus mpool sub [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

1.11.4   lotus mpool stat

NAME : lotus mpool stat - print mempool stats
USAGE : lotus mpool stat [command options] [arguments...]
OPTIONS:
  --local   print stats for addresses in local wallet only (default: false)
  --basefee-lookback value number of blocks to look back for minimum basefee
(default: 60)
  --help, -h   show help (default: false)

1.11.5   lotus mpool replace

NAME : lotus mpool replace - replace a message in the mempool
USAGE : lotus mpool replace [command options] <from nonce> | <message-cid>
OPTIONS:
  --gas-feecap value   gas feecap for new message
  --gas-premium value gas price for new message
  --gas-limit value   gas price for new message (default: 0)
  --auto   automatically reprice the specified message (default: false)
  --max-fee value   Spend up to X FIL for this message (applicable for auto mode)
  --help, -h   show help (default: false)

1.11.6   lotus mpool find

NAME : lotus mpool find - find a message in the mempool
USAGE : lotus mpool find [command options] [arguments...]
OPTIONS:
  --from value   search for messages with given 'from' address
  --to value   search for messages with given 'to' address
  --method value search for messages with given method (default: 0)
  --help, -h   show help (default: false)

1.11.7   lotus mpool config

NAME : lotus mpool config - get or set current mpool configuration
USAGE : lotus mpool config [command options] [new-config]
OPTIONS:
  --help, -h show help (default: false)

1.11.8　lotus mpool gas-perf

NAME :　lotus mpool gas-perf - Check gas performance of messages in mempool

USAGE :　lotus mpool gas-perf [command options] [arguments...]

OPTIONS:

　--all　　print gas performance for all mempool messages (default only prints for local) (default: false)

　--help, -h　show help (default: false)

1.12　`lotus state`

NAME :　lotus state - Interact with and query filecoin chain state

USAGE :　lotus state command [command options] [arguments...]

COMMANDS:

　power　　　　Query network or miner power
　sectors　　　　Query the sector set of a miner
　active-sectors　　Query the active sector set of a miner
　list-actors　　　list all actors in the network
　list-miners　　　list all miners in the network
　circulating-supply　Get the exact current circulating supply of Filecoin
　sector　　　　Get miner sector info
　get-actor　　　Print actor information
　lookup　　　　Find corresponding ID address
　replay　　　　Replay a particular message
　sector-size　　　Look up miners sector size
　read-state　　　View a json representation of an actors state
　list-messages　　list messages on chain matching given criteria
　compute-state　　Perform state computations
　call　　　　Invoke a method on an actor locally
　get-deal　　　View on-chain deal info
　wait-msg　　　Wait for a message to appear on chain
　search-msg　　　Search to see whether a message has appeared on chain
　miner-info　　　Retrieve miner information
　market　　　　Inspect the storage market actor
　exec-trace　　　Get the execution trace of a given message
　help, h　　　Shows a list of commands or help for one command

OPTIONS:

　--tipset value　specify tipset to call method on (pass comma separated array of cids)

--help, -h   show help (default: false)
--version, -v   print the version (default: false)

1.12.1   lotus state power

NAME :   lotus state power - Query network or miner power
USAGE :   lotus state power [command options] [<minerAddress> (optional)]
OPTIONS:
  --help, -h show help (default: false)

1.12.2   lotus state sectors

NAME :   lotus state sectors - Query the sector set of a miner
USAGE :   lotus state sectors [command options] [minerAddress]
OPTIONS:
  --help, -h show help (default: false)

1.12.3   lotus state active-sectors

NAME :   lotus state active-sectors - Query the active sector set of a miner
USAGE :   lotus state active-sectors [command options] [minerAddress]
OPTIONS:
  --help, -h show help (default: false)

1.12.4   lotus state list-actors

NAME :   lotus state list-actors - list all actors in the network
USAGE :   lotus state list-actors [command options] [arguments…]
OPTIONS:
  --help, -h show help (default: false)

1.12.5   lotus state list-miners

NAME :   lotus state list-miners - list all miners in the network
USAGE :   lotus state list-miners [command options] [arguments…]
OPTIONS:
  --sort-by value criteria to sort miners by (none, num-deals)
  --help, -h   show help (default: false)

1.12.6   lotus state circulating-supply

NAME :   lotus state circulating-supply - Get the exact current circulating supply of Filecoin
USAGE :   lotus state circulating-supply [command options] [arguments…]

OPTIONS:

  --vm-supply calculates the approximation of the circulating supply used internally by the VM (instead of the exact amount) (default: false)

  --help, -h   show help (default: false)

1.12.7   lotus state sector

NAME :   lotus state sector - Get miner sector info

USAGE :   lotus state sector [command options] [miner address] [sector number]

OPTIONS:

  --help, -h show help (default: false)

1.12.8   lotus state get-actor

NAME :   lotus state get-actor - Print actor information

USAGE :   lotus state get-actor [command options] [actorrAddress]

OPTIONS:

  --help, -h show help (default: false)

1.12.9   lotus state lookup

NAME :   lotus state lookup - Find corresponding ID address

USAGE :   lotus state lookup [command options] [address]

OPTIONS:

  --reverse, -r Perform reverse lookup (default: false)

  --help, -h   show help (default: false)

1.12.10 lotus state replay

NAME :   lotus state replay - Replay a particular message

USAGE :   lotus state replay [command options] <messageCid>

OPTIONS:

  --show-trace   print out full execution trace for given message (default: false)

  --detailed-gas print out detailed gas costs for given message (default: false)

  --help, -h   show help (default: false)

1.12.11 lotus state sector-size

NAME :   lotus state sector-size - Look up miners sector size

USAGE :   lotus state sector-size [command options] [minerAddress]

OPTIONS:

  --help, -h show help (default: false)

1.12.12 lotus state read-state

NAME : lotus state read-state - View a json representation of an actors state

USAGE : lotus state read-state [command options] [actorAddress]

OPTIONS:

  --help, -h show help (default: false)

1.12.13 lotus state compute-state

NAME : lotus state compute-state - Perform state computations

USAGE : lotus state compute-state [command options] [arguments...]

OPTIONS:

  --vm-height value   set the height that the vm will see (default: 0)

  --apply-mpool-messages   apply messages from the mempool to the computed state (default: false)

  --show-trace   print out full execution trace for given tipset (default: false)

  --html   generate html report (default: false)

  --json   generate json output (default: false)

  --compute-state-output value a json file containing pre-existing compute-state output, to generate html reports without rerunning state changes

  --help, -h   show help (default: false)

1.12.14 lotus state call

NAME : lotus state call - Invoke a method on an actor locally

USAGE : lotus state call [command options] [toAddress methodId <param1 param2 ...> (optional)]

OPTIONS:

  --from value   (default: "f00")

  --value value specify value field for invocation (default: "0")

  --ret value   specify how to parse output (auto, raw, addr, big) (default: "auto")

  --help, -h   show help (default: false)

1.12.15 lotus state get-deal

NAME : lotus state get-deal - View on-chain deal info

USAGE : lotus state get-deal [command options] [dealId]

OPTIONS:

  --help, -h show help (default: false)

1.12.16 lotus state wait-msg

NAME :   lotus state wait-msg - Wait for a message to appear on chain

USAGE : lotus state wait-msg [command options] [messageCid]
OPTIONS:
  --timeout value (default: "10m")
  --help, -h   show help (default: false)

1.12.17 lotus state search-msg

NAME : lotus state search-msg - Search to see whether a message has appeared on chain
USAGE : lotus state search-msg [command options] [messageCid]
OPTIONS:
  --help, -h show help (default: false)

1.12.18 lotus state miner-info

NAME : lotus state miner-info - Retrieve miner information
USAGE : lotus state miner-info [command options] [minerAddress]
OPTIONS:
  --help, -h show help (default: false)

1.12.19 lotus state market

NAME : lotus state market - Inspect the storage market actor
USAGE : lotus state market command [command options] [arguments...]
COMMANDS:
  balance Get the market balance (locked and escrowed) for a given account
  help, h Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.12.20 lotus state exec-trace

NAME : lotus state exec-trace - Get the execution trace of a given message
USAGE : lotus state exec-trace [command options] <messageCid>
OPTIONS:
  --help, -h show help (default: false)

1.13 lotus chain

NAME : lotus chain - Interact with filecoin blockchain
USAGE : lotus chain command [command options] [arguments...]

COMMANDS:
  head   Print chain head
  getblock   Get a block and print its details
  read-obj   Read the raw bytes of an object
  delete-obj   Delete an object from the chain blockstore
  stat-obj   Collect size and ipld link counts for objs
  getmessage   Get and print a message by its cid
  sethead   manually set the local nodes head tipset (Caution: normally only used for recovery)
  list, love   View a segment of the chain
  get   Get chain DAG node by path
  bisect   bisect chain for an event
  export   export chain to a car file
  slash-consensus Report consensus fault
  gas-price   Estimate gas prices
  inspect-usage   Inspect block space usage of a given tipset
  decode   decode various types
  help, h   Shows a list of commands or help for one command
OPTIONS :
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.13.1   lotus chain head

NAME : lotus chain head - Print chain head
USAGE:
  lotus chain head [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

1.13.2   lotus chain getblock

NAME : lotus chain getblock - Get a block and print its details
USAGE :   lotus chain getblock [command options] [blockCid]
OPTIONS:
  --raw   print just the raw block header (default: false)
  --help, -h show help (default: false)

1.13.3   lotus chain read-obj

NAME : lotus chain read-obj - Read the raw bytes of an object

USAGE : lotus chain read-obj [command options] [objectCid]
OPTIONS:
  --help, -h show help (default: false)

1.13.4   lotus chain delete-obj

NAME : lotus chain delete-obj - Delete an object from the chain blockstore
USAGE : lotus chain delete-obj [command options] [objectCid]
DESCRIPTION:
  WARNING: Removing wrong objects from the chain blockstore may lead to sync
issues
OPTIONS:
  --really-do-it (default: false)
  --help, -h   show help (default: false)

1.13.5   lotus chain stat-obj

NAME : lotus chain stat-obj - Collect size and ipld link counts for objs
USAGE : lotus chain stat-obj [command options] [cid]
DESCRIPTION:
  Collect object size and ipld link count for an object.
  When a base is provided it will be walked first, and all links visisted
  will be ignored when the passed in object is walked.
OPTIONS:
  --base value ignore links found in this obj
  --help, -h   show help (default: false)

1.13.6   lotus chain getmessage

NAME : lotus chain getmessage - Get and print a message by its cid
USAGE : lotus chain getmessage [command options] [messageCid]
OPTIONS:
  --help, -h show help (default: false)

1.13.7   lotus chain sethead

NAME : lotus chain sethead - manually set the local nodes head tipset (Caution:
normally only used for recovery)
USAGE : lotus chain sethead [command options] [tipsetkey]
OPTIONS:
  --genesis   reset head to genesis (default: false)
  --epoch value reset head to given epoch (default: 0)

--help, -h   show help (default: false)

1.13.8   lotus chain list, love

NAME :   lotus chain list - View a segment of the chain
USAGE :   lotus chain list [command options] [arguments...]
OPTIONS:
  --height value (default: 0)
  --count value   (default: 30)
  --format value specify the format to print out tipsets (default: "<height>: (<time>) <blocks>")
  --gas-stats   view gas statistics for the chain (default: false)
  --help, -h   show help (default: false)

1.13.9   lotus chain get

NAME :   lotus chain get - Get chain DAG node by path
USAGE :   lotus chain get [command options] [path]
DESCRIPTION:
  Get ipld node under a specified path:
  lotus chain get /ipfs/[cid]/some/path
  Path prefixes:
  - /ipfs/[cid], /ipld/[cid] - traverse IPLD path
  - /pstate - traverse from head.ParentStateRoot

  Note:
  You can use special path elements to traverse through some data structures:
  - /ipfs/[cid]/@H:elem - get 'elem' from hamt
  - /ipfs/[cid]/@Hi:123 - get varint elem 123 from hamt
  - /ipfs/[cid]/@Hu:123 - get uvarint elem 123 from hamt
  - /ipfs/[cid]/@Ha:t01 - get element under Addr(t01).Bytes
  - /ipfs/[cid]/@A:10   - get 10th amt element
  - .../@Ha:t01/@state - get pretty map-based actor state

  List of --as-type types:
  - raw
  - block
  - message
  - smessage, signedmessage
  - actor

 - amt
 - hamt-epoch
 - hamt-address
 - cronevent
 - account-state
OPTIONS:
  --as-type value specify type to interpret output as
  --verbose   (default: false)
  --tipset value   specify tipset for /pstate (pass comma separated array of cids)
  --help, -h   show help (default: false)

1.13.10 lotus chain bisect

NAME :   lotus chain bisect - bisect chain for an event
USAGE :   lotus chain bisect [command options] [minHeight maxHeight path
shellCommand <shellCommandArgs (if any)>]
DESCRIPTION:
  Bisect the chain state tree:
  lotus chain bisect [min height] [max height] '1/2/3/state/path' 'shell command'
'args'
  Returns the first tipset in which condition is true
          v
  [start] FFFFFFFTTT [end]

  Example: find height at which deal ID 100 000 appeared
   - lotus chain bisect 1 32000 '@Ha:t03/1' jq -e '.[2] > 100000'
  For special path elements see 'chain get' help
OPTIONS:
  --help, -h show help (default: false)

1.13.11 lotus chain export

NAME :   lotus chain export - export chain to a car file
USAGE :   lotus chain export [command options] [outputPath]
OPTIONS:
  --tipset value
  --recent-stateroots value specify the number of recent state roots to include in
the export (default: 0)
  --skip-old-msgs   (default: false)

--help, -h   show help (default: false)

1.13.12 lotus chain slash-consensus

NAME :   lotus chain slash-consensus - Report consensus fault

USAGE :   lotus chain slash-consensus [command options] [blockCid1 blockCid2]

OPTIONS:

  --miner value Miner address

  --extra value Extra block cid

  --help, -h   show help (default: false)

1.13.13 lotus chain gas-price

NAME :   lotus chain gas-price - Estimate gas prices

USAGE :   lotus chain gas-price [command options] [arguments...]

OPTIONS:

  --help, -h show help (default: false)

1.13.14 lotus chain inspect-usage

NAME :   lotus chain inspect-usage - Inspect block space usage of a given tipset

USAGE :   lotus chain inspect-usage [command options] [arguments...]

OPTIONS:

  --tipset value   specify tipset to view block space usage of (default: "@head")

  --length value   length of chain to inspect block space usage for (default: 1)

  --num-results value number of results to print per category (default: 10)

  --help, -h   show help (default: false)

1.13.15 lotus chain decode

NAME :   lotus chain decode - decode various types

USAGE :   lotus chain decode command [command options] [arguments...]

COMMANDS:

  params   Decode message params

  help, h Shows a list of commands or help for one command

OPTIONS:

  --help, -h   show help (default: false)

  --version, -v print the version (default: false)

1.13.15.1   lotus chain decode params

NAME :   lotus chain decode params - Decode message params

USAGE : lotus chain decode params [command options] [toAddr method hexParams]
OPTIONS:
  --tipset value
  --help, -h   show help (default: false)

1.14 `lotus log`

NAME : lotus log - Manage logging
USAGE : lotus log command [command options] [arguments...]
COMMANDS:
  list   List log systems
  set-level Set log level
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.14.1   lotus log list

NAME : lotus log list - List log systems

USAGE : lotus log list [command options] [arguments...]

OPTIONS:
  --help, -h show help (default: false)

1.14.2   lotus log set-level

NAME : lotus log set-level - Set log level
USAGE : lotus log set-level [command options] [level]
DESCRIPTION:
  Set the log level for logging systems:

  The system flag can be specified multiple times.

  eg) log set-level --system chain --system chainxchg debug

  Available Levels:
  debug

info
warn
error

Environment Variables:
GOLOG_LOG_LEVEL - Default log level for all log systems
GOLOG_LOG_FMT   - Change output log format (json, nocolor)
GOLOG_FILE   - Write logs to file
GOLOG_OUTPUT   - Specify whether to output to file, stderr, stdout or a
combination, i.e. file+stderr

OPTIONS:
  --system value limit to log system
  --help, -h   show help (default: false

1.15 `lotus wait-api`

NAME :   lotus wait-api - Wait for lotus api to come online
USAGE :   lotus wait-api [command options] [arguments...]
CATEGORY :   developer
OPTIONS:
  --help, -h show help (default: false)

1.16 `lotus fetch-params`

NAME :   lotus fetch-params - Fetch proving parameters
USAGE :   lotus fetch-params [command options] [sectorSize]
CATEGORY :   developer
OPTIONS:
  --help, -h show help (default: false)

1.17 `lotus net`

NAME : lotus net - Manage P2P Network
USAGE : lotus net command [command options] [arguments...]
COMMANDS:
  peers   Print peers
  connect   Connect to a peer
  listen   List listen addresses
  id   Get node identity
  findpeer   Find the addresses of a given peerID

scores   Print peers' pubsub scores
reachability Print information about reachability from the internet
bandwidth   Print bandwidth usage information
help, h   Shows a list of commands or help for one command

OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.17.1   lotus net peers

NAME :   lotus net peers - Print peers
USAGE :   lotus net peers [command options] [arguments…]
OPTIONS:
  --agent, -a Print agent name (default: false)
  --help, -h   show help (default: false)

1.17.2   lotus net connect

NAME :   lotus net listen - List listen addresses
USAGE :   lotus net listen [command options] [arguments…]
OPTIONS:
  --help, -h show help (default: false)

1.17.3   lotus net listen

NAME :   lotus net listen - List listen addresses
USAGE :   lotus net listen [command options] [arguments…]
OPTIONS:
  --help, -h show help (default: false)

1.17.4   lotus net id

NAME :   lotus net id - Get node identity
USAGE :   lotus net id [command options] [arguments…]
OPTIONS:
  --help, -h show help (default: false)

1.17.5   lotus net findpeer

NAME :   lotus net findpeer - Find the addresses of a given peerID
USAGE :   lotus net findpeer [command options] [peerId]
OPTIONS:

--help, -h show help (default: false)

1.17.6   lotus net scores
NAME :   lotus net scores - Print peers' pubsub scores
USAGE :   lotus net scores [command options] [arguments...]
OPTIONS:
  --extended print extended peer scores in json (default: false)
  --help, -h show help (default: false)

1.17.7   lotus net reachability
NAME :   lotus net reachability - Print information about reachability from the
internet
USAGE :   lotus net reachability [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

1.17.8   lotus net bandwidth
NAME :   lotus net bandwidth - Print bandwidth usage information
USAGE :   lotus net bandwidth [command options] [arguments...]
OPTIONS:
  --by-peer   list bandwidth usage by peer (default: false)
  --by-protocol list bandwidth usage by protocol (default: false)
  --help, -h   show help (default: false)

1.18 `lotus sync`
NAME :   lotus sync - Inspect or interact with the chain syncer
USAGE :   lotus sync command [command options] [arguments...]
COMMANDS:
  status   check sync status
  wait   Wait for sync to be complete
  mark-bad   Mark the given block as bad, will prevent syncing to a chain that
contains it
  unmark-bad Unmark the given block as bad, makes it possible to sync to a chain
containing it
  check-bad   check if the given block was marked bad, and for what reason
  checkpoint mark a certain tipset as checkpointed; the node will never fork away
from this tipset

help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

1.18.1   lotus sync status

NAME :   lotus sync status - check sync status
USAGE :   lotus sync status [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

1.18.2   lotus sync wait

NAME : lotus sync wait - Wait for sync to be complete
USAGE : lotus sync wait [command options] [arguments...]
OPTIONS:
  --watch   don't exit after node is synced (default: false)
  --help, -h show help (default: false)

1.18.3   lotus sync mark-bad

NAME : lotus sync mark-bad - Mark the given block as bad, will prevent syncing to a chain that contains it
USAGE : lotus sync mark-bad [command options] [blockCid]
OPTIONS:
  --help, -h show help (default: false)

1.18.4   lotus sync unmark-bad

NAME :   lotus sync unmark-bad - Unmark the given block as bad, makes it possible to sync to a chain containing it
USAGE : lotus sync unmark-bad [command options] [blockCid]
OPTIONS:
  --all   drop the entire bad block cache (default: false)
  --help, -h show help (default: false)

1.18.5   lotus sync check-bad

NAME : lotus sync check-bad - check if the given block was marked bad, and for what reason
USAGE : lotus sync check-bad [command options] [blockCid]
OPTIONS:

--help, -h show help (default: false)

1.18.6   lotus sync checkpoint

NAME : lotus sync checkpoint - mark a certain tipset as checkpointed; the node will never fork away from this tipset

USAGE : lotus sync checkpoint [command options] [tipsetKey]

OPTIONS:

  --epoch value checkpoint the tipset at the given epoch (default: 0)
  --help, -h   show help (default: false)

1.19 `lotus backup`

NAME : lotus backup - Create node metadata backup

USAGE :   lotus backup [command options] [backup file path]

DESCRIPTION:

  The backup command writes a copy of node metadata under the specified path

Online backups:

For security reasons, the daemon must be have LOTUS_BACKUP_BASE_PATH env var set

to a path where backup files are supposed to be saved, and the path specified in this command must be within this base path

OPTIONS:

  --offline   create backup without the node running (default: false)
  --help, -h show help (default: false)

2　lotus-miner

NAME :　lotus-miner - Filecoin decentralized storage network miner
USAGE :　lotus-miner [global options] command [command options] [arguments...]
VERSION :　1.1.2+git.d4cdc6d33
COMMANDS:
　init　　Initialize a lotus miner repo
　run　　Start a lotus miner process
　stop　　Stop a running lotus miner
　config　Output default configuration
　backup　Create node metadata backup
　version　Print version
　help, h　Shows a list of commands or help for one command
　chain:
　　actor　manipulate the miner actor
　　info　Print miner info
　developer:
　　auth　　　Manage RPC permissions
　　log　　　Manage logging
　　wait-api　Wait for lotus api to come online
　　fetch-params　Fetch proving parameters
　market:
　　storage-deals　Manage storage deals and related configuration
　　retrieval-deals　Manage retrieval deals and related configuration
　　data-transfers　Manage data transfers
　network:
　　net　Manage P2P Network
　retrieval:
　　pieces　interact with the piecestore
　storage:
　　sectors　interact with sector store
　　proving　View proving information
　　storage　manage sector storage
　　sealing　interact with sealing pipeline

GLOBAL OPTIONS:
　--actor value, -a value　　　　specify other actor to check state for (read only)
　--color　　　　　　　　(default: false)

--miner-repo value, --storagerepo value Specify miner repo path. flag(storagerepo) and env(LOTUS_STORAGE_PATH) are DEPRECATION, will REMOVE SOON (default: "/psh-pool/lotus-storage") [$LOTUS_MINER_PATH, $LOTUS_STORAGE_PATH]
  --help, -h   show help (default: false)
  --version, -v   print the version (default: false)

2.1   lotus-miner init

NAME :   lotus-miner init - Initialize a lotus miner repo
USAGE :   lotus-miner init command [command options] [arguments...]
COMMANDS:
  restore Initialize a lotus miner repo from a backup
  help, h Shows a list of commands or help for one command
OPTIONS:
  --actor value   specify the address of an already created miner actor
  --create-worker-key   create separate worker key (default: false)
  --worker value, -w value   worker key to use (overrides --create-worker-key)
  --owner value, -o value   owner key to use
  --sector-size value   specify sector size to use (default: "32GiB")
  --pre-sealed-sectors value   specify set of presealed sectors for starting as a genesis miner
  --pre-sealed-metadata value specify the metadata file for the presealed sectors
  --nosync   don't check full-node sync status (default: false)
  --symlink-imported-sectors   attempt to symlink to presealed sectors instead of copying them into place (default: false)
  --no-local-storage   don't use storageminer repo for sector storage (default: false)
  --gas-premium value   set gas premium for initialization messages in AttoFIL (default: "0")
  --from value   select which address to send actor creation message from
  --help, -h   show help (default: false)
  --version, -v   print the version (default: false)

2.1.1   lotus-miner init restore

NAME :   lotus-miner init restore - Initialize a lotus miner repo from a backup
USAGE :   lotus-miner init restore [command options] [backupFile]
OPTIONS:
  --nosync   don't check full-node sync status (default: false)

--config value   config file (config.toml)
--storage-config value storage paths config (storage.json)
--help, -h   show help (default: false)

2.2 `lotus-miner run`

NAME :   lotus-miner run - Start a lotus miner process
USAGE :   lotus-miner run [command options] [arguments...]
OPTIONS:
  --miner-api value   2345
  --enable-gpu-proving enable use of GPU for mining operations (default: true)
  --nosync   don't check full-node sync status (default: false)
  --manage-fdlimit   manage open file limit (default: true)
  --help, -h   show help (default: false)

2.3 `lotus-miner stop`

NAME :   lotus-miner stop - Stop a running lotus miner
USAGE :   lotus-miner stop [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.4 `lotus-miner config`

NAME :   lotus-miner config - Output default configuration
USAGE :   lotus-miner config [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.5 `lotus-miner backup`

NAME :   lotus-miner backup - Create node metadata backup
USAGE :   lotus-miner backup [command options] [backup file path]
DESCRIPTION:
  The backup command writes a copy of node metadata under the specified path

Online backups:
For security reasons, the daemon must be have LOTUS_BACKUP_BASE_PATH env
var set to a path where backup files are supposed to be saved, and the path
specified in this command must be within this base path

OPTIONS:
  --offline   create backup without the node running (default: false)
  --help, -h show help (default: false)

2.6   `lotus-miner version`

NAME :   lotus-miner version - Print version
USAGE :   lotus-miner version [command options] [arguments…]
OPTIONS:
  --help, -h show help (default: false)

2.7   `lotus-miner help`

NAME :   Shows a list of commands or help for one command
USAGE :   [command options] [command]
OPTIONS:
  --help, -h show help (default: false)

2.8   `lotus-miner actor`

NAME :   lotus-miner actor - manipulate the miner actor
USAGE :   lotus-miner actor command [command options] [arguments…]
COMMANDS:
  set-addrs   set addresses that your miner can be publicly dialed on
  withdraw   withdraw available balance
  repay-debt   pay down a miner's debt
  set-peer-id set the peer id of your miner
  set-owner   Set owner address
  control   Manage control addresses
  help, h   Shows a list of commands or help for one command

OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.8.1   **lotus-miner actor set-addrs**

NAME :   lotus-miner actor set-addrs - set addresses that your miner can be
publicly dialed on
USAGE :   lotus-miner actor set-addrs [command options] [arguments…]
OPTIONS:
  --gas-limit value set gas limit (default: 0)

--help, -h   show help (default: false)

2.8.2   lotus-miner actor withdraw

NAME :   lotus-miner actor withdraw - withdraw available balance

USAGE :   lotus-miner actor withdraw [command options] [amount (FIL)]

OPTIONS:

  --help, -h show help (default: false)

2.8.3   lotus-miner actor repay-debt

NAME :   lotus-miner actor repay-debt - pay down a miner's debt

USAGE :   lotus-miner actor repay-debt [command options] [amount (FIL)]

OPTIONS:

  --from value optionally specify the account to send funds from

  --help, -h   show help (default: false)

2.8.4   lotus-miner actor set-peer-id

NAME :   lotus-miner actor set-peer-id - set the peer id of your miner

USAGE :   lotus-miner actor set-peer-id [command options] [arguments...]

OPTIONS:

  --gas-limit value set gas limit (default: 0)

  --help, -h   show help (default: false)

2.8.5   lotus-miner actor set-owner

NAME :   lotus-miner actor set-owner - Set owner address

USAGE :   lotus-miner actor set-owner [command options] [address]

OPTIONS:

  --really-do-it Actually send transaction performing the action (default: false)

  --help, -h   show help (default: false)

2.8.6   lotus-miner actor control

NAME :   lotus-miner actor control - Manage control addresses

USAGE :   lotus-miner actor control command [command options] [arguments...]

COMMANDS:

  list   Get currently set control addresses

  set   Set control address(-es)

  help, h Shows a list of commands or help for one command

OPTIONS:

  --help, -h   show help (default: false)

--version, -v print the version (default: false)

2.8.6.1   lotus-miner actor control list

NAME : lotus-miner actor control list - Get currently set control addresses
USAGE : lotus-miner actor control list [command options] [arguments...]
OPTIONS:
  --verbose   (default: false)
  --color   (default: true)
  --help, -h show help (default: false)

2.8.6.2   lotus-miner actor control set

NAME : lotus-miner actor control set - Set control address(-es)
USAGE : lotus-miner actor control set [command options] [...address]
OPTIONS:
  --really-do-it Actually send transaction performing the action (default: false)
  --help, -h   show help (default: false)

2.9   lotus-miner info

NAME : lotus-miner info - Print miner info
USAGE : lotus-miner info command [command options] [arguments...]
COMMANDS:
  all   dump all related miner info
  help, h Shows a list of commands or help for one command
OPTIONS:
  --hide-sectors-info hide sectors info (default: false)
  --help, -h   show help (default: false)
  --version, -v   print the version (default: false)

2.9.1   lotus-miner info all

NAME : lotus-miner info all - dump all related miner info
USAGE : lotus-miner info all [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.10 lotus-miner auth

NAME : lotus-miner auth - Manage RPC permissions
USAGE : lotus-miner auth command [command options] [arguments...]

COMMANDS:
  create-token Create token
  api-info   Get token with API info required to connect to this node
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.10.1   lotus-miner auth create-token
NAME :   lotus-miner auth create-token - Create token
USAGE :   lotus-miner auth create-token [command options] [arguments…]
OPTIONS:
  --perm value permission to assign to the token, one of: read, write, sign, admin
  --help, -h   show help (default: false)

2.10.2   lotus-miner auth api-info
NAME :   lotus-miner auth api-info - Get token with API info required to connect to this node
USAGE :   lotus-miner auth api-info [command options] [arguments…]
OPTIONS:
  --perm value permission to assign to the token, one of: read, write, sign, admin
  --help, -h   show help (default: false)

2.11 lotus-miner log
NAME :   lotus-miner log - Manage logging
USAGE :   lotus-miner log command [command options] [arguments…]
COMMANDS:
  list   List log systems
  set-level Set log level
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.11.1   lotus-miner log list
NAME :   lotus-miner log list - List log systems
USAGE :   lotus-miner log list [command options] [arguments…]
OPTIONS:

--help, -h show help (default: false)

2.11.2 lotus-miner log set-level

NAME :   lotus-miner log set-level - Set log level

USAGE :   lotus-miner log set-level [command options] [level]

DESCRIPTION:

Set the log level for logging systems:

The system flag can be specified multiple times.

eg) log set-level --system chain --system chainxchg debug

Available Levels:

debug

info

warn

error

Environment Variables:

GOLOG_LOG_LEVEL - Default log level for all log systems

GOLOG_LOG_FMT - Change output log format (json, nocolor)

GOLOG_FILE   - Write logs to file

GOLOG_OUTPUT   - Specify whether to output to file, stderr, stdout or a combination, i.e. file+stderr

OPTIONS:

  --system value limit to log system

  --help, -h   show help (default: false)

2.12 `lotus-miner wait-api`

NAME :   lotus-miner wait-api - Wait for lotus api to come online

USAGE :   lotus-miner wait-api [command options] [arguments...]

CATEGORY :   developer

OPTIONS:

  --help, -h show help (default: false)

2.13 `lotus-miner fetch-params`

NAME :   lotus-miner fetch-params - Fetch proving parameters

USAGE : lotus-miner fetch-params [command options] [sectorSize]
CATEGORY : developer
OPTIONS:
  --help, -h show help (default: false)

2.14 `lotus-miner storage-deals`

NAME : lotus-miner storage-deals - Manage storage deals and related
configuration
USAGE : lotus-miner storage-deals command [command options] [arguments...]
COMMANDS:
  import-data   Manually import data for a deal
  list   List all deals for this miner
  selection   Configure acceptance criteria for storage deal proposals
  set-ask   Configure the miner's ask
  get-ask   Print the miner's ask
  set-blocklist   Set the miner's list of blocklisted piece CIDs
  get-blocklist   List the contents of the miner's piece CID blocklist
  reset-blocklist   Remove all entries from the miner's piece CID blocklist
  set-seal-duration Set the expected time, in minutes, that you expect sealing
sectors to take. Deals that start before this duration will be rejected.
  help, h   Shows a list of commands or help for one command

OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.14.1 lotus-miner storage-deals import-data

NAME : lotus-miner storage-deals import-data - Manually import data for a deal
USAGE : lotus-miner storage-deals import-data [command options] <proposal
CID> <file>
OPTIONS:
  --help, -h show help (default: false)

2.14.2 lotus-miner storage-deals list

NAME : lotus-miner storage-deals list - List all deals for this miner
USAGE : lotus-miner storage-deals list [command options] [arguments...]

OPTIONS:

--verbose, -v (default: false)
--watch   watch deal updates in real-time, rather than a one time list (default: false)
--help, -h   show help (default: false)

2.14.3   lotus-miner storage-deals selection

NAME :   lotus-miner storage-deals selection - Configure acceptance criteria for storage deal proposals
USAGE :   lotus-miner storage-deals selection command [command options] [arguments...]
COMMANDS:
  list   List storage deal proposal selection criteria
  reset   Reset storage deal proposal selection criteria to default values
  reject Configure criteria which necessitate automatic rejection
  help, h Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.14.3.1 lotus-miner storage-deals selection list

NAME :   lotus-miner storage-deals selection list - List storage deal proposal selection criteria
USAGE :   lotus-miner storage-deals selection list [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.14.3.2 lotus-miner storage-deals selection reset

NAME :   lotus-miner storage-deals selection reset - Reset storage deal proposal selection criteria to default values
USAGE :   lotus-miner storage-deals selection reset [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.14.3.3 lotus-miner storage-deals selection reject

NAME :   lotus-miner storage-deals selection reject - Configure criteria which necessitate automatic rejection

USAGE : lotus-miner storage-deals selection reject [command options]
[arguments...]
OPTIONS:
  --online   (default: false)
  --offline   (default: false)
  --help, -h show help (default: false)

2.14.4   lotus-miner storage-deals set-ask

NAME : lotus-miner storage-deals set-ask - Configure the miner's ask
USAGE : lotus-miner storage-deals set-ask [command options] [arguments...]
OPTIONS:
  --price PRICE   Set the price of the ask for unverified deals (specified as FIL /
GiB / Epoch) to PRICE.
  --verified-price PRICE Set the price of the ask for verified deals (specified as FIL /
GiB / Epoch) to PRICE
  --min-piece-size SIZE   Set minimum piece size (w/bit-padding, in bytes) in ask to
SIZE (default: 256B)
  --max-piece-size SIZE   Set maximum piece size (w/bit-padding, in bytes) in ask to
SIZE (default: miner sector size)
  --help, -h   show help (default: false)

2.14.5   lotus-miner storage-deals get-ask

NAME : lotus-miner storage-deals get-ask - Print the miner's ask
USAGE : lotus-miner storage-deals get-ask [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.14.6   lotus-miner storage-deals set-blocklist

NAME : lotus-miner storage-deals set-blocklist - Set the miner's list of blocklisted
piece CIDs
USAGE : lotus-miner storage-deals set-blocklist [command options] [<path-of-file-
containing-newline-delimited-piece-CIDs> (optional, will read from stdin if
omitted)]
OPTIONS:
  --help, -h show help (default: false)

2.14.7   lotus-miner storage-deals get-blocklist

NAME : lotus-miner storage-deals get-blocklist - List the contents of the miner's piece CID blocklist

USAGE : lotus-miner storage-deals get-blocklist [command options] [arguments...]

OPTIONS:

  --help, -h show help (default: false)

2.14.8 lotus-miner storage-deals reset-blocklist

NAME : lotus-miner storage-deals reset-blocklist - Remove all entries from the miner's piece CID blocklist

USAGE : lotus-miner storage-deals reset-blocklist [command options] [arguments...]

OPTIONS:

  --help, -h show help (default: false)

2.14.9 lotus-miner storage-deals set-seal-duration

NAME : lotus-miner storage-deals set-seal-duration - Set the expected time, in minutes, that you expect sealing sectors to take. Deals that start before this duration will be rejected.

USAGE : lotus-miner storage-deals set-seal-duration [command options] <minutes>

OPTIONS:

  --help, -h show help (default: false)

2.15 lotus-miner retrieval-deals

NAME : lotus-miner retrieval-deals - Manage retrieval deals and related configuration

USAGE : lotus-miner retrieval-deals command [command options] [arguments...]

COMMANDS:

  selection Configure acceptance criteria for retrieval deal proposals

  list   List all active retrieval deals for this miner

  set-ask   Configure the provider's retrieval ask

  get-ask   Get the provider's current retrieval ask

  help, h   Shows a list of commands or help for one command

OPTIONS:

  --help, -h   show help (default: false)

  --version, -v print the version (default: false)

2.15.1　lotus-miner retrieval-deals selection

NAME :   lotus-miner retrieval-deals selection - Configure acceptance criteria for retrieval deal proposals

USAGE :   lotus-miner retrieval-deals selection command [command options] [arguments...]

COMMANDS:
  list   List retrieval deal proposal selection criteria
  reset   Reset retrieval deal proposal selection criteria to default values
  reject   Configure criteria which necessitate automatic rejection
  help, h Shows a list of commands or help for one command

OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.15.1.1 lotus-miner retrieval-deals selecion list

NAME :   lotus-miner retrieval-deals selection list - List retrieval deal proposal selection criteria

USAGE :   lotus-miner retrieval-deals selection list [command options] [arguments...]

OPTIONS:
  --help, -h show help (default: false)

2.15.1.2 lotus-miner retrieval-deals selecion reset

NAME :   lotus-miner retrieval-deals selection reset - Reset retrieval deal proposal selection criteria to default values

USAGE :   lotus-miner retrieval-deals selection reset [command options] [arguments...]

OPTIONS:
  --help, -h show help (default: false)

2.15.1.3 lotus-miner retrieval-deals selecion reject

NAME :   lotus-miner retrieval-deals selection reject - Configure criteria which necessitate automatic rejection

USAGE :   lotus-miner retrieval-deals selection reject [command options] [arguments...]

OPTIONS:
  --online   (default: false)

--offline   (default: false)
  --help, -h show help (default: false)

2.15.2   lotus-miner retrieval-deals list

NAME :   lotus-miner retrieval-deals list - List all active retrieval deals for this miner
USAGE :   lotus-miner retrieval-deals list [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.15.3   lotus-miner retrieval-deals set-ask

NAME :   lotus-miner retrieval-deals set-ask - Configure the provider's retrieval ask
USAGE :   lotus-miner retrieval-deals set-ask [command options] [arguments...]
OPTIONS:
  --price value   Set the price of the ask for retrievals (FIL/GiB)
  --unseal-price value   Set the price to unseal
  --payment-interval value   Set the payment interval (in bytes) for retrieval
(default: 1MiB)
  --payment-interval-increase value Set the payment interval increase (in bytes) for
retrieval (default: 1MiB)
  --help, -h   show help (default: false)

2.15.4   lotus-miner retrieval-deals get-ask

NAME :   lotus-miner retrieval-deals get-ask - Get the provider's current retrieval ask
USAGE :   lotus-miner retrieval-deals get-ask [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.16 lotus-miner data-transfers

NAME :   lotus-miner data-transfers - Manage data transfers
USAGE :   lotus-miner data-transfers command [command options] [arguments...]
COMMANDS:
  list   List ongoing data transfers for this miner
  help, h Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.16.1 lotus-miner data-transfers list

NAME : lotus-miner data-transfers list - List ongoing data transfers for this miner

USAGE : lotus-miner data-transfers list [command options] [arguments...]

OPTIONS:

  --color   use color in display output (default: true)

  --completed show completed data transfers (default: false)

  --watch   watch deal updates in real-time, rather than a one time list (default: false)

  --help, -h   show help (default: false)

2.17 `lotus-miner net`

NAME : lotus-miner net - Manage P2P Network

USAGE : lotus-miner net command [command options] [arguments...]

COMMANDS:

  peers   Print peers

  connect   Connect to a peer

  listen   List listen addresses

  id   Get node identity

  findpeer   Find the addresses of a given peerID

  scores   Print peers' pubsub scores

  reachability Print information about reachability from the internet

  bandwidth   Print bandwidth usage information

  help, h   Shows a list of commands or help for one command

OPTIONS:

  --help, -h   show help (default: false)

  --version, -v print the version (default: false)

2.17.1 lotus-miner net peers

NAME : lotus-miner net peers - Print peers

USAGE : lotus-miner net peers [command options] [arguments...]

OPTIONS:

  --agent, -a Print agent name (default: false)

  --help, -h   show help (default: false)

2.17.2 lotus-miner net connect

NAME : lotus-miner net connect - Connect to a peer

USAGE : lotus-miner net connect [command options] [peerMultiaddr| minerActorAddress]
OPTIONS:
  --help, -h show help (default: false)

2.17.3 lotus-miner net listen

NAME : lotus-miner net listen - List listen addresses
USAGE : lotus-miner net listen [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.17.4 lotus-miner net id

NAME : lotus-miner net id - Get node identity
USAGE : lotus-miner net id [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.17.5 lotus-miner net findpeer

NAME : lotus-miner net findpeer - Find the addresses of a given peerID
USAGE : lotus-miner net findpeer [command options] [peerId]
OPTIONS:
  --help, -h show help (default: false)

2.17.6 lotus-miner net scores

NAME : lotus-miner net scores - Print peers' pubsub scores
USAGE : lotus-miner net scores [command options] [arguments...]
OPTIONS:
  --extended print extended peer scores in json (default: false)
  --help, -h show help (default: false)

2.17.7 lotus-miner net reachability

NAME : lotus-miner net reachability - Print information about reachability from the internet
USAGE : lotus-miner net reachability [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.17.8 lotus-miner net bandwidth

NAME : lotus-miner net bandwidth - Print bandwidth usage information
USAGE : lotus-miner net bandwidth [command options] [arguments...]
OPTIONS:
  --by-peer   list bandwidth usage by peer (default: false)
  --by-protocol list bandwidth usage by protocol (default: false)
  --help, -h   show help (default: false)

2.18 `lotus-miner pieces`

NAME : lotus-miner pieces - interact with the piecestore
USAGE : lotus-miner pieces command [command options] [arguments...]
DESCRIPTION :   The piecestore is a database that tracks and manages data that is made available to the retrieval market
COMMANDS:
  list-pieces list registered pieces
  list-cids   list registered payload CIDs
  piece-info   get registered information for a given piece CID
  cid-info   get registered information for a given payload CID
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.18.1   lotus-miner pieces list-pieces

NAME : lotus-miner pieces list-pieces - list registered pieces
USAGE : lotus-miner pieces list-pieces [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.18.2   lotus-miner pieces list-cids

NAME : lotus-miner pieces list-cids - list registered payload CIDs
USAGE : lotus-miner pieces list-cids [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.18.3   lotus-miner pieces piece-info

NAME : lotus-miner pieces piece-info - get registered information for a given piece CID
USAGE : lotus-miner pieces piece-info [command options] [arguments...]

OPTIONS:
  --help, -h show help (default: false)

2.19 `lotus-miner  sectors`

NAME : lotus-miner sectors - interact with sector store
USAGE : lotus-miner sectors command [command options] [arguments...]
COMMANDS:
  status   Get the seal status of a sector by its number
  list   List sectors
  refs   List References to sectors
  update-state   ADVANCED: manually update the state of a sector, this may aid in error recovery
  pledge   store random data in a sector
  remove   Forcefully remove a sector (WARNING: This means losing power and collateral for the removed sector)
  mark-for-upgrade   Mark a committed capacity sector for replacement by a sector with deals
  seal   Manually start sealing a sector (filling any unused space with junk)
  set-seal-delay   Set the time, in minutes, that a new sector waits for deals before sealing starts
  get-cc-collateral Get the collateral required to pledge a committed capacity sector
  help, h   Shows a list of commands or help for one command

OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.19.1   lotus-miner sectors status

NAME : lotus-miner sectors status - Get the seal status of a sector by its number
USAGE : lotus-miner sectors status [command options] <sectorNum>
OPTIONS:
  --log   display event log (default: false)
  --on-chain-info show sector on chain info (default: false)
  --help, -h   show help (default: false)

2.19.2   lotus-miner sectors list

NAME : lotus-miner sectors list - List sectors
USAGE : lotus-miner sectors list [command options] [arguments...]

OPTIONS:
  --show-removed show removed sectors (default: false)
  --color, -c   (default: true)
  --fast   don't show on-chain info for better performance (default: false)
  --help, -h   show help (default: false)

2.19.3 lotus-miner sectors refs

NAME : lotus-miner sectors refs - List References to sectors
USAGE : lotus-miner sectors refs [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.19.4 lotus-miner sectors update-state

NAME : lotus-miner sectors update-state - ADVANCED: manually update the state of a sector, this may aid in error recovery
USAGE : lotus-miner sectors update-state [command options] <sectorNum> <newState>
OPTIONS:
  --really-do-it pass this flag if you know what you are doing (default: false)
  --help, -h   show help (default: false)

2.19.5 lotus-miner sectors pledge

NAME : lotus-miner sectors pledge - store random data in a sector
USAGE : lotus-miner sectors pledge [command options] [arguments...]
OPTIONS:
  --help, -h show help (default: false)

2.19.6 lotus-miner sectors remove

NAME : lotus-miner sectors remove - Forcefully remove a sector (WARNING: This means losing power and collateral for the removed sector)
USAGE : lotus-miner sectors remove [command options] <sectorNum>
OPTIONS:
  --really-do-it pass this flag if you know what you are doing (default: false)
  --help, -h   show help (default: false)

2.19.7 lotus-miner sectors mark-for-upgrade

NAME : lotus-miner sectors mark-for-upgrade - Mark a committed capacity sector for replacement by a sector with deals

USAGE : lotus-miner sectors mark-for-upgrade [command options] <sectorNum>
OPTIONS:
  --help, -h show help (default: false)

2.19.8 lotus-miner sectors seal

NAME : lotus-miner sectors seal - Manually start sealing a sector (filling any unused space with junk)
USAGE : lotus-miner sectors seal [command options] <sectorNum>
OPTIONS:
  --help, -h show help (default: false)

2.19.9 lotus-miner sectors set-seal-delay

NAME : lotus-miner sectors set-seal-delay - Set the time, in minutes, that a new sector waits for deals before sealing starts
USAGE : lotus-miner sectors set-seal-delay [command options] <minutes>
OPTIONS:
  --help, -h show help (default: false)

2.19.10 lotus-miner sectors get-cc-collateral

NAME : lotus-miner sectors get-cc-collateral - Get the collateral required to pledge a committed capacity sector
USAGE : lotus-miner sectors get-cc-collateral [command options] [arguments...]
OPTIONS:
  --expiration value the epoch when the sector will expire (default: 0)
  --help, -h   show help (default: false)

2.20 lotus-miner proving

NAME : lotus-miner proving - View proving information
USAGE : lotus-miner proving command [command options] [arguments...]
COMMANDS:
  info   View current state information
  deadlines View the current proving period deadlines information
  deadline   View the current proving period deadline information by its index
  faults   View the currently known proving faulty sectors information
  help, h   Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.20.1 lotus-miner proving info

NAME : lotus-miner proving info - View current state information

USAGE : lotus-miner proving info [command options] [arguments…]

OPTIONS:

  --help, -h show help (default: false)

2.20.2 lotus-miner proving deadlines

NAME : lotus-miner proving deadlines - View the current proving period deadlines information

USAGE : lotus-miner proving deadlines [command options] [arguments…]

OPTIONS:

  --help, -h show help (default: false)

2.20.3 lotus-miner proving deadline

NAME : lotus-miner proving deadline - View the current proving period deadline information by its index

USAGE : lotus-miner proving deadline [command options] <deadlineIdx>

OPTIONS:

  --help, -h show help (default: false)

2.20.4 lotus-miner proving faults

NAME : lotus-miner proving faults - View the currently known proving faulty sectors information

USAGE : lotus-miner proving faults [command options] [arguments…]

OPTIONS:

  --help, -h show help (default: false)

2.21 lotus-miner storage

NAME : lotus-miner storage - manage sector storage

USAGE : lotus-miner storage command [command options] [arguments…]

DESCRIPTION:

  Sectors can be stored across many filesystem paths. These
commands provide ways to manage the storage the miner will used to store sectors
long term for proving (references as 'store') as well as how sectors will be
stored while moving through the sealing pipeline (references as 'seal').

COMMANDS:

  attach   attach local storage path

list   list local storage paths
find   find sector in the storage system
help, h Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

2.21.1   lotus-miner storage attach

NAME : lotus-miner storage attach - attach local storage path
USAGE :   lotus-miner storage attach [command options] [arguments...]
DESCRIPTION:
  Storage can be attached to the miner using this command. The storage volume list is stored local to the miner in $LOTUS_MINER_PATH/storage.json. We do not recommend manually modifying this value without further understanding of the storage system.

Each storage volume contains a configuration file which describes the capabilities of the volume. When the '--init' flag is provided, this file will be created using the additional flags.

Weight
A high weight value means data will be more likely to be stored in this path

Seal
Data for the sealing process will be stored here

Store
Finalized sectors that will be moved here for long term storage and be proven over time

OPTIONS:
  --init   initialize the path first (default: false)
  --weight value (for init) path weight (default: 10)
  --seal   (for init) use path for sealing (default: false)
  --store   (for init) use path for long-term storage (default: false)
  --help, -h   show help (default: false)

2.21.2   lotus-miner storage list

NAME :   lotus-miner storage list - list local storage paths

USAGE :   lotus-miner storage list [command options] [arguments...]

OPTIONS:

  --color   (default: false)

  --help, -h show help (default: false)

2.21.3   lotus-miner storage find

NAME :   lotus-miner storage find - find sector in the storage system

USAGE :   lotus-miner storage find [command options] [sector number]

OPTIONS:

  --help, -h show help (default: false)

2.22   `lotus-miner  sealing`

NAME :   lotus-miner sealing - interact with sealing pipeline

USAGE :   lotus-miner sealing command [command options] [arguments...]

COMMANDS:

  jobs   list workers

  workers   list workers

  sched-diag Dump internal scheduler state

  help, h   Shows a list of commands or help for one command

OPTIONS:

  --help, -h   show help (default: false)

  --version, -v print the version (default: false)

2.22.1   lotus-miner sealing jobs

NAME :   lotus-miner sealing jobs - list workers

USAGE :   lotus-miner sealing jobs [command options] [arguments...]

OPTIONS:

  --color   (default: false)

  --help, -h show help (default: false)

2.22.2   lotus-miner sealing workers

NAME :   lotus-miner sealing workers - list workers

USAGE :   lotus-miner sealing workers [command options] [arguments...]

OPTIONS:

  --color   (default: false)

  --help, -h show help (default: false)

2.22.3　lotus-miner sealing sched-diag

NAME :　lotus-miner sealing sched-diag - Dump internal scheduler state

USAGE :　lotus-miner sealing sched-diag [command options] [arguments...]

OPTIONS:

  --help, -h show help (default: false)

3 lotus-worker

NAME : lotus-worker - Remote miner worker

USAGE : lotus-worker [global options] command [command options] [arguments...]

VERSION : 1.1.2+git.d4cdc6d33

COMMANDS:

  run   Start lotus worker

  info   Print worker info

  storage manage sector storage

  help, h Shows a list of commands or help for one command

GLOBAL OPTIONS:

  --worker-repo value, --workerrepo value Specify worker repo path. flag workerrepo and env WORKER_PATH are DEPRECATION, will REMOVE SOON (default: "/root/lotus-worker") [$LOTUS_WORKER_PATH, $WORKER_PATH]

  --miner-repo value, --storagerepo value Specify miner repo path. flag storagerepo and env LOTUS_STORAGE_PATH are DEPRECATION, will REMOVE SOON (default: "/psh-pool/lotus-storage") [$LOTUS_MINER_PATH, $LOTUS_STORAGE_PATH]

  --enable-gpu-proving   enable use of GPU for mining operations (default: true)

  --help, -h   show help (default: false)

  --version, -v   print the version (default: false)

3.1 lotus-worker run

NAME : lotus-worker run - Start lotus worker

USAGE : lotus-worker run [command options] [arguments...]

OPTIONS:

  --listen value   host address and port the worker api will listen on (default: "0.0.0.0:3456")

  --no-local-storage   don't use storageminer repo for sector storage (default: false)

  --no-swap   don't use swap (default: false)

  --addpiece   enable addpiece (default: true)

  --precommit1   enable precommit1 (32G sectors: 1 core, 128GiB Memory) (default: true)

  --unseal   enable unsealing (32G sectors: 1 core, 128GiB Memory) (default: true)

  --precommit2   enable precommit2 (32G sectors: all cores, 96GiB Memory)
(default: true)
  --commit   enable commit (32G sectors: all cores or GPUs, 128GiB
Memory + 64GiB swap) (default: true)
  --parallel-fetch-limit value maximum fetch operations to run in parallel (default:
5)
  --timeout value   used when 'listen' is unspecified. must be a valid duration
recognized by golang's time.ParseDuration function (default: "30m")
  --help, -h   show help (default: false)

3.2　`lotus-worker info`

NAME : lotus-worker info - Print worker info
USAGE : lotus-worker info [command options] [arguments…]
OPTIONS:
  --help, -h show help (default: false)

3.3　`lotus-worker storage`

NAME : lotus-worker storage - manage sector storage
USAGE : lotus-worker storage command [command options] [arguments…]
COMMANDS:
  attach   attach local storage path
  help, h Shows a list of commands or help for one command
OPTIONS:
  --help, -h   show help (default: false)
  --version, -v print the version (default: false)

3.3.1　lotus-worker storage attach

NAME : lotus-worker storage attach - attach local storage path
USAGE : lotus-worker storage attach [command options] [arguments…]
OPTIONS:
  --init   initialize the path first (default: false)
  --weight value (for init) path weight (default: 10)
  --seal   (for init) use path for sealing (default: false)
  --store   (for init) use path for long-term storage (default: false)
  --help, -h   show help (default: false)