

# debug namespace

## debug\_deleteChainSlice

Deletes a slice of a chain from the tree on all branches (Nethermind specific).

- Parameters
- Request
- Response
- startNumber
- :string
- (hex integer)
- force
- :boolean curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_deleteChainSlice", "params": [startNumber, force] } { "jsonrpc" :

"2.0", "id" :

0, "result" : result } result :string (hex integer)

## debug\_getBadBlocks

Return list of invalid blocks.

- Request
- Response

curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getBadBlocks", "params": [] } { "jsonrpc" :

"2.0", "id" :

0, "result" : result } result : array ofobject

- block
- :object
- - author
- - :string
- - (address)
- - baseFeePerGas
- - :string
- - (hex integer)
- - blobGasUsed
- - :string
- - (hex integer)
- - difficulty
-

- :string
- 
- (hex integer)
- 
- excessBlobGas
- 
- :string
- 
- (hex integer)
- 
- extraData
- 
- :string
- 
- (hex data)
- 
- gasLimit
- 
- :string
- 
- (hex integer)
- 
- gasUsed
- 
- :string
- 
- (hex integer)
- 
- hash
- 
- :string
- 
- (hash)
- 
- logsBloom
- 
- :string
- 
- (hex data)
- 
- miner
- 
- :string
- 
- (address)
- 
- mixHash
- 
- :string
- 
- (hash)
- 
- nonce
- 
- :string
- 
- (hex data)
- 
- number
- 
- :string
- 
- (hex integer)
- 
- parentBeaconBlockRoot
- 
- :string
-

- (hash)
- 
- parentHash
- 
- :string
- 
- (hash)
- 
- receiptsRoot
- 
- :string
- 
- (hash)
- 
- sha3Uncles
- 
- :string
- 
- (hash)
- 
- signature
- 
- :string
- 
- (hex data)
- 
- size
- 
- :string
- 
- (hex integer)
- 
- stateRoot
- 
- :string
- 
- (hash)
- 
- step
- 
- :string
- 
- (hex integer)
- 
- timestamp
- 
- :string
- 
- (hex integer)
- 
- totalDifficulty
- 
- :string
- 
- (hex integer)
- 
- transactions
- 
- : array ofobject
- 
- transactionsRoot
- 
- :string
- 
- (hash)
- 
- uncles
-

- : array ofstring
- 
- (hash)
- 
- withdrawals
- 
- : array ofobject
- 
- - address
- 
- - :string
- 
- - (address)
- 
- - amountInGwei
- 
- - :string
- 
- - (hex integer)
- 
- - amountInWei
- 
- - :string
- 
- - (hex integer)
- 
- - index
- 
- - :string
- 
- - (hex integer)
- 
- - validatorIndex
- 
- - :string
- 
- - (hex integer)
- 
- withdrawalsRoot
- 
- :string
- 
- (hash)
- hash
- :string
- (hash)
- rlp
- :string
- (hex data)

## debug\_getBlockRlp

Retrieves a block in the RLP-serialized form.

- Parameters
- Request
- Response
- number
- :string
- (hex integer) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getBlockRlp", "params": [number] }' { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :string (hex data)

## **debug\_getBlockRlpByHash**

Retrieves a block in the RLP-serialized form.

- Parameters
- Request
- Response
- hash
- :string
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getBlockRlpByHash", "params": [hash] }' { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :string (hex data)

## **debug\_getChainLevel**

Retrieves a representation of tree branches on a given chain level (Nethermind specific).

- Parameters
- Request
- Response
- number
- :string
- (hex integer) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getChainLevel", "params": [number] }' { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :object

- blockInfos
- : array ofobject
- - blockHash

- - :string
- - (hash)
- - isFinalized
- - :boolean
- - totalDifficulty
- - :string
- - (hex integer)
- - wasProcessed
- - :boolean
- hasBlockOnMainChain
- :boolean

## debug\_getConfigValue

Retrieves the Nethermind configuration value, e.g. JsonRpc.Enabled

- Parameters
- Request
- Response
- category
- :string
- name
- :string curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getConfigValue", "params": [category, name] }' { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :object

## debug\_getRawBlock

Get Raw Block format.

- Parameters
- Request
- Response
- blockParameter
- :string
- (block number or hash or either ofearliest
- ,finalized
- ,latest
- ,pending
- , orsafe
- ) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getRawBlock", "params": [blockParameter] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :string (hex data)

## **debug\_getRawHeader**

Get Raw Header format.

- Parameters
- Request
- Response
- blockParameter
- :string
- (block number or hash or either ofearliest
- ,finalized
- ,latest
- ,pending
- , orsafe
- ) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getRawHeader", "params": [blockParameter] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :string (hex data)

## **debug\_getRawReceipts**

Get Raw Receipt format.

- Parameters
- Request
- Response
- blockParameter
- :string
- (block number or hash or either ofearliest
- ,finalized
- ,latest
- ,pending
- , orsafe
- ) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getRawReceipts", "params": [blockParameter] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result : array ofstring (hex data)

## **debug\_getRawTransaction**

Get Raw Transaction format.

- Parameters
- Request
- Response
- transactionHash

- :string
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getRawTransaction", "params": [transactionHash] } { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :string (hex data)

## debug\_getSyncStage

Retrives Nethermind Sync Stage, With extra Metadata

- Request
- Response

curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_getSyncStage", "params": [] } { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :object

- currentStage
- :string

## debug\_insertReceipts

Insert receipts for the block after verifying receipts root correctness.

- Parameters
- Request
- Response
- blockParameter
- :string
- (block number or hash or either ofearliest
- ,finalized
- ,latest
- ,pending
- , orsafe
- )
- receiptForRpc
- : array ofobject
- blobGasPrice
- :string
- (hex integer)
- blobGasUsed
- :string
- (hex integer)
- blockHash
- :string
- (hash)
- blockNumber
- :string
- (hex integer)
- contractAddress



- :string
- (address)
- cumulativeGasUsed
- :string
- (hex integer)
- effectiveGasPrice
- :string
- (hex integer)
- error
- :string
- from
- :string
- (address)
- gasUsed
- :string
- (hex integer)
- logs
- : array ofobject
- - address
- - :string
- - (address)
- - blockHash
- - :string
- - (hash)
- - blockNumber
- - :string
- - (hex integer)
- - data
- - :string
- - (hex data)
- - logIndex
- - :string
- - (hex integer)
- - removed
- - :boolean
- - topics
- - : array ofstring
- - (hash)
- - transactionHash
- - :string
- - (hash)
- - transactionIndex
- - :string

- - (hex integer)
- logsBloom
- :string
- (hex data)
- root
- :string
- (hash)
- status
- :string
- (hex integer)
- to
- :string
- (address)
- transactionHash
- :string
- (hash)
- transactionIndex
- :string
- (hex integer)
- type
- :integer curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_insertReceipts", "params": [blockParameter, receiptForRpc] } { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :boolean

## **debug\_migrateReceipts**

Sets the block number up to which receipts will be migrated to (Nethermind specific).

- Parameters
- Request
- Response
- blockNumber
- :string
- (hex integer) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_migrateReceipts", "params": [blockNumber] } { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :boolean

## **debug\_resetHead**

Updates / resets head block - use only when the node got stuck due to DB / memory corruption (Nethermind specific).

- Parameters
- Request
- Response
- blockHash
- :string
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_resetHead", "params": [blockHash] }' { "jsonrpc" :

"2.0", "id" :

0, "result" : result } result :boolean

## debug\_standardTraceBlockToFile

Writes to a file the full stack trace of all invoked opcodes of the transaction specified (or all transactions if not specified) that was included in the block specified. The parent of the block must be present or it will fail.

- Parameters
- Request
- Response
- blockHash
- :string
- (hash)
- options
- :object
- - disableMemory
- - :boolean
- - disableStack
- - :boolean
- - disableStorage
- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
- - tracerConfig
- - :object
- - - hasValue
- - - :boolean
- - - value
- - - :object
- - - - item

- - - :object
- - - valueKind
- - - :integer
- - txHash
- - :string
- - (hash) curl localhost:8545 \-X POST \-H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_standardTraceBlockToFile", "params": [blockHash, options] } { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result : array ofstring

## debug\_traceBlock

Returns the full stack trace of all invoked opcodes of all transactions that were included in the block specified. The parent of the block must be present or it will fail.

- Parameters
- Request
- Response
- blockRlp
- :string
- (hex data)
- options
- :object
- - disableMemory
- - :boolean
- - disableStack
- - :boolean
- - disableStorage
- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
-

- tracerConfig
- 
- :object
- 
- - hasValue
- 
- - :boolean
- 
- - value
- 
- - :object
- 
- - - item
- 
- - - :object
- 
- - - valueKind
- 
- - - :integer
- 
- txHash
- 
- :string
- 
- (hash) curl localhost:8545 \-X POST \-H

"Content-Type: application/json"

\--data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceBlock", "params": [blockRlp, options] } { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result : array ofobject

- customTracerResult
- :object
- 
- value
- 
- :object
- entries
- : array ofobject
- 
- depth
- 
- :string
- 
- (hex integer)
- 
- error
- 
- :string
- 
- gas
-

- :string
- 
- (hex integer)
- 
- gasCost
- 
- :string
- 
- (hex integer)
- 
- memory
- 
- : array ofstring
- 
- opcode
- 
- :string
- 
- programCounter
- 
- :string
- 
- (hex integer)
- 
- stack
- 
- : array ofstring
- 
- storage
- 
- : map ofstring
- failed
- :boolean
- gas
- :string
- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map ofstring

## debug\_traceBlockByHash

Similar to debug\_traceBlock, this method accepts a block hash and replays the block that is already present in the database.

- Parameters
- Request
- Response
- blockHash
- :string
- (hash)
- options
- :object
- 
- disableMemory
- 
- :boolean
- 
- disableStack
- 
- :boolean
- 
- disableStorage
-

- :boolean
- 
- enableMemory
- 
- :boolean
- 
- timeout
- 
- :string
- 
- tracer
- 
- :string
- 
- tracerConfig
- 
- :object
- 
- - hasValue
- 
- - :boolean
- 
- - value
- 
- - :object
- 
- - - item
- 
- - - :object
- 
- - - valueKind
- 
- - - :integer
- 
- txHash
- 
- :string
- 
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceBlockByHash", "params": [blockHash, options] } { "jsonrpc" :

"2.0", "id" :

0, "result" : result } result : array of object

- customTracerResult
- :object
- - value
- - :object
- entries

- : array ofobject
- - depth
- - :string
- - (hex integer)
- - error
- - :string
- - gas
- - :string
- - (hex integer)
- - gasCost
- - :string
- - (hex integer)
- - memory
- - : array ofstring
- - opcode
- - :string
- - programCounter
- - :string
- - (hex integer)
- - stack
- - : array ofstring
- - storage
- - : map ofstring
- failed
- :boolean
- gas
- :string
- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map ofstring

## **debug\_traceBlockByNumber**

Similar to debug\_traceBlock, this method accepts a block number as well as "latest" or "finalized" and replays the block that is already present in the database.

- Parameters
- Request
- Response
- blockParameter
- :string



- (block number or hash or either of earliest
- ,finalized
- ,latest
- ,pending
- , orsafe
- )
- options
- :object
- - disableMemory
- - :boolean
- - disableStack
- - :boolean
- - disableStorage
- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
- - tracerConfig
- - :object
- - - hasValue
- - - :boolean
- - - value
- - - :object
- - - - item
- - - - :object
- - - - valueKind
- - - - :integer
- - txHash
- - :string

- - (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceBlockByNumber", "params": [blockParameter, options] } { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result : array ofobject

- customTracerResult
- :object
- - value
- - :object
- entries
- : array ofobject
- - depth
- - :string
- - (hex integer)
- - error
- - :string
- - gas
- - :string
- - (hex integer)
- - gasCost
- - :string
- - (hex integer)
- - memory
- - : array ofstring
- - opcode
- - :string
- - programCounter
- - :string
- - (hex integer)
- - stack
- - : array ofstring
- - storage
- - : map ofstring
- failed
- :boolean
- gas
- :string

- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map of string

## debug\_traceCall

This method lets you run an eth\_call within the context of the given block execution using the final state of parent block as the base. The block can be specified either by hash or by number. It takes the same input object as a eth\_call. It returns the same output as debug\_traceTransaction.

- Parameters
- Request
- Response
- call
- :object
- - accessList
  - : array of object
  - - address
  - - :string
  - - (address)
  - - storageKeys
  - - : array of string
  - - (hex integer)
  - blobVersionedHashes
  - : array of string
  - (hex data)
  - blockHash
  - :string
  - (hash)
  - blockNumber
  - :string
  - (hex integer)
  - chainId
  - :string
  - (hex integer)
  - data

- - :string
- - (hex data)
- - from
- - :string
- - (address)
- - gas
- - :string
- - (hex integer)
- - gasPrice
- - :string
- - (hex integer)
- - hash
- - :string
- - (hash)
- - input
- - :string
- - (hex data)
- - isSystemTx
- - :boolean
- - maxFeePerBlobGas
- - :string
- - (hex integer)
- - maxFeePerGas
- - :string
- - (hex integer)
- - maxPriorityFeePerGas
- - :string
- - (hex integer)
- - mint
- - :string
- - (hex integer)
- - nonce
- - :string
- - (hex integer)

- - r
- - :string
- - (hex integer)
- - s
- - :string
- - (hex integer)
- - sourceHash
- - :string
- - (hash)
- - to
- - :string
- - (address)
- - transactionIndex
- - :string
- - (hex integer)
- - type
- - :integer
- - v
- - :string
- - (hex integer)
- - value
- - :string
- - (hex integer)
- - yParity
- - :string
- - (hex integer)
- blockParameter
- :string
- (block number or hash or either of earliest
- ,finalized
- ,latest
- ,pending
- , orsafe
- )
- options
- :object
- - disableMemory
- - :boolean
- - disableStack

- - :boolean
- - disableStorage
- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
- - tracerConfig
- - :object
    - - hasValue
    - - :boolean
    - - value
    - - :object
    - - - item
    - - - :object
    - - - valueKind
    - - - :integer
- - txHash
- - :string
- - (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceCall", "params": [call, blockParameter, options] }' { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :object

- customTracerResult
- :object

- - value
- - :object
- entries
- : array ofobject
- - depth
- - :string
- - (hex integer)
- - error
- - :string
- - gas
- - :string
- - (hex integer)
- - gasCost
- - :string
- - (hex integer)
- - memory
- - : array ofstring
- - opcode
- - :string
- - programCounter
- - :string
- - (hex integer)
- - stack
- - : array ofstring
- - storage
- - : map ofstring
- failed
- :boolean
- gas
- :string
- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map ofstring

## debug\_traceTransaction

This method will attempt to run the transaction in the exact same manner as it was executed on the network. It will replay any transaction that may have been executed prior to this one before it will finally attempt to execute the transaction that corresponds to the given hash.

- Parameters

- Request
- Response
- transactionHash
- :string
- (hash)
- options
- :object
- - disableMemory
- - :boolean
- - disableStack
- - :boolean
- - disableStorage
- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
- - tracerConfig
- - :object
- - - hasValue
- - - :boolean
- - - value
- - - :object
- - - - item
- - - - :object
- - - - valueKind
- - - - :integer
- - txHash
-



- :string
- 
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceTransaction", "params": [transactionHash, options] } { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :object

- customTracerResult
- :object
- 
- value
- 
- :object
- entries
- : array ofobject
- 
- depth
- 
- :string
- 
- (hex integer)
- 
- error
- 
- :string
- 
- gas
- 
- :string
- 
- (hex integer)
- 
- gasCost
- 
- :string
- 
- (hex integer)
- 
- memory
- 
- : array ofstring
- 
- opcode
- 
- :string
- 
- programCounter
- 
- :string
- 
- (hex integer)
- 
- stack
- 
- : array ofstring
- 
- storage
- 
- : map ofstring
- failed
- :boolean
- gas

- :string
- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map of string

## debug\_traceTransactionByBlockAndIndex

- Parameters
- Request
- Response
- blockParameter
- :string
- (block number or hash or either of earliest
- ,finalized
- ,latest
- ,pending
- , orsafe
- )
- txIndex
- :string
- (hex integer)
- options
- :object
- - disableMemory
- - :boolean
- - disableStack
- - :boolean
- - disableStorage
- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
- - tracerConfig
- - :object
- - - hasValue
- - - :boolean
- - - value
- - - :object

- - - - item
- - - - :object
- - - - valueKind
- - - - :integer
- - txHash
- - :string
- - (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceTransactionByBlockAndIndex", "params": [blockParameter, txIndex, options] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :object

- customTracerResult
- :object
- - value
- - :object
- entries
- : array ofobject
- - depth
- - :string
- - (hex integer)
- - error
- - :string
- - gas
- - :string
- - (hex integer)
- - gasCost
- - :string
- - (hex integer)
- - memory
- - : array ofstring
-

- opcode
- 
- :string
- 
- programCounter
- 
- :string
- 
- (hex integer)
- 
- stack
- 
- : array ofstring
- 
- storage
- 
- : map ofstring
- failed
- :boolean
- gas
- :string
- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map ofstring

## **debug\_traceTransactionByBlockhashAndIndex**

- Parameters
- Request
- Response
- blockHash
- :string
- (hash)
- txIndex
- :string
- (hex integer)
- options
- :object
- 
- disableMemory
- 
- :boolean
- 
- disableStack
- 
- :boolean
- 
- disableStorage
- 
- :boolean
- 
- enableMemory
- 
- :boolean
- 
- timeout
- 
- :string
- 
- tracer
- 
- :string
-

- tracerConfig
- 
- :object
- 
- - hasValue
- 
- - :boolean
- 
- - value
- 
- - :object
- 
- - - item
- 
- - - :object
- 
- - - valueKind
- 
- - - :integer
- 
- txHash
- 
- :string
- 
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceTransactionByBlockhashAndIndex", "params": [blockHash, txIndex, options] }' { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :object

- customTracerResult
- :object
- - value
- - :object
- entries
- : array ofobject
- - depth
- - :string
- - (hex integer)
- - error
- - :string
- - gas

- - :string
- - (hex integer)
- - gasCost
- - :string
- - (hex integer)
- - memory
- - : array ofstring
- - opcode
- - :string
- - programCounter
- - :string
- - (hex integer)
- - stack
- - : array ofstring
- - storage
- - : map ofstring
- failed
- :boolean
- gas
- :string
- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map ofstring

## **debug\_traceTransactionInBlockByHash**

- Parameters
- Request
- Response
- blockRlp
  - :string
  - (hex data)
- transactionHash
- :string
- (hash)
- options
- :object
- - disableMemory
- - :boolean
- - disableStack
- - :boolean
- - disableStorage

- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
- - tracerConfig
- - :object
- - - hasValue
- - - :boolean
- - - value
- - - :object
- - - - item
- - - - :object
- - - - valueKind
- - - - :integer
- - txHash
- - :string
- - (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "debug\_traceTransactionInBlockByHash", "params": [blockRlp, transactionHash, options] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :object

- customTracerResult
- :object
- - value
-

- :object
- entries
- : array ofobject
- - depth
- - :string
- - (hex integer)
- - error
- - :string
- - gas
- - :string
- - (hex integer)
- - gasCost
- - :string
- - (hex integer)
- - memory
- - : array ofstring
- - opcode
- - :string
- - programCounter
- - :string
- - (hex integer)
- - stack
- - : array ofstring
- - storage
- - : map ofstring
- failed
- :boolean
- gas
- :string
- (hex integer)
- returnValue
- :string
- (hex data)
- storagesByDepth
- : array of map ofstring

## **debug\_traceTransactionInBlockByIndex**

- Parameters
- Request
- Response
- blockRlp
- :string
- (hex data)



- txIndex
- :string
- (hex integer)
- options
- :object
- - disableMemory
- - :boolean
- - disableStack
- - :boolean
- - disableStorage
- - :boolean
- - enableMemory
- - :boolean
- - timeout
- - :string
- - tracer
- - :string
- - tracerConfig
- - :object
- - - hasValue
- - - :boolean
- - - value
- - - :object
- - - - item
- - - - :object
- - - - valueKind
- - - - :integer
- - txHash
- - :string
- - (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

```
{ "jsonrpc": "2.0", "id": 0, "method": "debug_traceTransactionInBlockByIndex", "params": [blockRlp, txIndex, options] } {  
  "jsonrpc":
```

```
"2.0", "id":
```

```
0, "result": result } result :object
```

- customTracerResult
- :object
  - - value
  - - :object
  - entries
  - : array ofobject
    - - depth
    - - :string
    - - (hex integer)
    - - error
    - - :string
    - - gas
    - - :string
    - - (hex integer)
    - - gasCost
    - - :string
    - - (hex integer)
    - - memory
    - - : array ofstring
    - - opcode
    - - :string
    - - programCounter
    - - :string
    - - (hex integer)
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    - - : array ofstring
    - - storage
    - - : map ofstring
  - failed
  - :boolean
  - gas
  - :string
  - (hex integer)
  - returnValue
  - :string
  - (hex data)

- storagesByDepth
- : array of map of string [Edit this page](#) Last updated on Mar 26, 2024 [Previous](#) [Next](#) [eth](#)