eth getTransactionByBlockNumberAndIndex

Returns information about a transaction given block number and transaction index position.

Parameters

- · block parameter
- : [Required
-] A hexadecimal block number, or one of the string tagslatest
- .earliest
- .pending
- .safe
- , orfinalized
- See thedefault block parameter
- · transaction index position
- : [Required
-] A hexadecimal of the integer representing the position in the block.

Returns

A transaction object, or null when no transaction was found. The transaction object will consist of the following keys and their values:

- : [optional
-] A list of addresses and storage keys accessed by the transaction. Seaccess list transactions
- blockHash
- : 32 bytes. A hash of the block including this transaction.null
- when it's pending
- blockNumber
- : The number of the block including this transaction.null
- · when it's pending
- chainID
- : [optional
- chain ID specifying the network. Returned only fo EIP-1559 transactions
- : 20 bytes. The address of the sender.
- : Gas provided by the sender.
- gasPrice
- : Gas price provided by the sender in Wei.
- hash
- : 32 bytes. The hash of the transaction.
- · input
- : The data sent along with the transaction.
- maxPriorityFeePerGas
- : [optional
-] Maximum fee, in Wei, the sender is willing to pay per gas above the base fee. Se<u>€IP-1559 transactions</u>

- Maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas. SeeIP-1559 transactions
- : The number of transactions made by the sender prior to this one.
- : 32 bytes. The ECDSA signaturer
- : 32 bytes. The ECDSA signatures
- : 20 bytes. The address of the receiver.null
- when it's a contract creation transaction.
- transactionIndex
- : The transaction's index position in the block, in hexadecimal.null
- · when it's pending
- : Thetransaction type
- : The ECDSA recovery ID.
- : The value transferred in Wei.

Example

ReplaceYOUR-API-KEY with an API key from your Infura dashboard .

Request

curl https://base-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc":"2.0", "method":"eth_getTransactionByBlockNumberAndIndex", "params": ["0x5BAD55", "0x0"], "id":1}'

Response

• JSON

 $\{ \text{"id"} : 1, \text{"jsonrpc"} : \text{"2.0"}, \text{"result"} : \{ \text{"blockHash"} : \text{"0xb3b20624f8f0f86eb50dd04688409e5cea4bd02d700bf6e79e9384d47d6a5a35"}, \text{"blockNumber"} : \text{"0x5bad55"}, \text{"chainId"} : \text{"0x1"}, \text{"from"} : \text{"0xfbb1b73c4f0bda4f67dca266ce6ef42f520fbb98"}, \text{"gas"} : \text{"0x249f0"}, \text{"gasPrice"} : \text{"0x174876e800"}, \text{"hash"} : \text{"0x8784d99762bccd03b2086eabccee0d77f14d05463281e121a62abfebcf0d2d5f"}, \text{"input"} : \text{"inpu$

"nonce": "0x5e4724", "r": "0x41556332df97e3bd911068651cfad6f975a30381f4ff3a55df7ab3512c78b9ec", "s": "0x66b51cbb10cd1b2a09aaff137d9f6d4255bf73cb7702b666ebd5af502ffa4410", "to": "0x4b9c25ca0224aef6a7522cabdbc3b2e125b7ca50", "transactionIndex": "0x0", "type": "0x0", "v": "0x25", "value": "0x0" } }

 $Last\ updated on Apr\ 19, 2024\ \underline{Previous\ eth\ getTransactionByBlockHashAndIndex}\ \underline{Next\ eth\ getTransactionByHash}$