eth_getTransactionByBlockHashAndIndex

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

Parameters

- block hash
- : [Required
-] A string representing the hash (32 bytes) of a block.
- 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:

- accessList
- : [optional
-] A list of addresses and storage keys accessed by the transaction. See access 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 for EIP-1559 transactions
- .
- from
- : 20 bytes. The address of the sender.
- gas
- : 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. See EIP-1559 transactions
- .
- maxFeePerGas
- : [optional
-] Maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas. See EIP-1559 transactions
- .
- nonce
- : The number of transactions made by the sender prior to this one.
- r
- : 32 bytes. The ECDSA signaturer
- .
- s
- : 32 bytes. The ECDSA signatures
- .
- to
- : 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.
- type
- : The transaction type

- .
- v
- : The ECDSA recovery ID.
- value
- : The value transferred in Wei.
- yParity
- : [optional
-] Parity (0x0
- for even,0x1
- for odd) of the y-value of a secp256k1
- signature.

Example

Replace YOUR-API-KEY with an API key from your Infura dashboard .

Request

- cURL
- WSS

curl https://scroll-mainnet.infura.io/v3/ \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc": "2.0", "method": "eth_getTransactionByBlockHashAndIndex", "params": ["0xb3b20624f8f0f86eb50dd04688409e5cea4bd02d700bf6e79e9384d47d6a5a35", "0x0"], "id": 1}' wscat -c wss://scroll-mainnet.infura.io/ws/v3/ -x '{"jsonrpc": "2.0", "method": "eth_getTransactionByBlockHashAndIndex", "params": ["0xb3b20624f8f0f86eb50dd04688409e5cea4bd02d700bf6e79e9384d47d6a5a35", "0x0"], "id": 1}'

Response

- JSON

{ "id" : 1, "jsonrpc" : "2.0", "result":{ "accessList":[], "blockHash":"0xfdc2fb4ce6356fef28fda948d675182d5759d0c885ec9a4b7fff604a8167a118", "blockNumber":"0x11dd3de", "chainId":"0x1", "from":"0x1f9090aae28b8a3dceadf281b0f12828e676c326","gas":"0x565f","gasPrice":"0x6f4d3132b", "hash":"0x24ea08c3b1bc777a23d0373dd3f8a980455c7817d814c5f34df5a3e3caf5c9a1", "input":"0x", "maxFeePerGas":"0x6f4d3132b", "maxPriorityFeePerGas":"0x0", "nonce":"0x63dbc", "r":"0xd38fcf50bab3898938058cd0337e655d0fdc302b57807da83f59b27035055ed5", "s":"0x300ae498fe06a5fa65ebb69fc2bd99a3fbbf991543ff3dce2c45c3b43c5113fd", "to":"0x388c818ca8b9251b393131c08a736a67ccb19297", "transactionIndex":"0xa2", "type":"0x2", "v":"0x1", "value":"0x2e463634a25a9a2", "yParity":"0x1" } }