zks_getL2ToL1LogProof

Returns the proof for the corresponding L2 to L1 log. The index of the log that can be obtained from the transaction receipt.

Parameters

- tx_hash
- : [Required
-] Hash of the L2 transaction the L2 to L1 log was produced in.
- l2_to_l1_log_index
- : [Optional
-] The index of the L2 to L1 log in the transaction.

Response

- id
-
  - The position of the leaf in the Merkle tree of L2 to L1 messages for the block.
- proof
-
  - The Merkle proof for the message.
- root
-
  - The root hash representing the Merkle tree root at the time the log was generated.

Example

ReplaceYOUR-API-KEY with an API key from your[Infura dashboard](#) .

Request

- cURL
- WSS

curl https://zksync-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc": "2.0", "id": 1, "method": "zks_getL2ToL1LogProof", "params": ["0x2a1c6c74b184965c0cb015aae9ea134fd96215d2e4f4979cfec12563295f610e"]}' wscat -c wss://zksync-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc": "2.0", "id": 1, "method": "zks_getL2ToL1LogProof", "params": ["0x2a1c6c74b184965c0cb015aae9ea134fd96215d2e4f4979cfec12563295f610e"]}'

Response

- JSON

{ "jsonrpc": "2.0", "result": { "id": 0, "proof": ["0x8c48910df2ca7de509daf50b3182fcdf2dd6c422c6704054fd857d6c9516d6fc", "0xc5028885760b8b596c4fa11497c783752cb3a3fb3b8e6b52d7e54b9f1c63521e", "0xeb1f451eb8163723ee19940cf3a8f2a2afdf51100ce8ba25839bd94a057cda16", "0x7aabfd367dea2b5306b8071c246b99566dae551a1dbd40da791e66c4f696b236", "0xe4733f281f18ba3ea8775dd62d2fcd84011c8c938f16ea5790fd29a03bf8db89", "0x1798a1fd9c8fbb818c98cff190daa7cc10b6e5ac9716b4a2649f7c2ebcef2272", "0x66d7c5983afe44cf15ea8cf565b34c6c31ff0cb4dd744524f7842b942d08770d", "0xb04e5ee349086985f74b73971ce9dfe76bbed95c84906c5dffd96504e1e5396c", "0xac506ecb5465659b3a927143f6d724f91d8d9c4bdb2463aee111d9aa869874db"], "root": "0x920c63cb0066a08da45f0a9bf934517141bd72d8e5a51421a94b517bf49a0d39" }, "id": 1 }