zks_getL2ToL1MsgProof

Returns the proof for a message sent through the L1Messenger system contract, given a block, sender, message, and an optional message log index containing the L1 to L2 message.

Parameters

- block
- : (integer) [Required
-] Block where the message was emitted.
- sender
- : (string) [Required
-] The sender (account) of the message.
- msg
- : [Required
-] The keccak256 hash of the sent message.
- l2_log_position
- : The index in the block of the event that was emitted by the L1Messenger
- when submitting this message. If it is omitted, the proof for the first message is returned.

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 yourInfura 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_getL2ToL1MsgProof", "params": [5187, "0x87869cb87c4Fa78ca278dF358E890FF73B42a39E", "0x22de7debaa98758afdaee89f447ff43bab5da3de6acca7528b281cc2f1be2ee9"]}' wscat -c wss://zksync-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc": "2.0", "id": 1, "method": "zks_getL2ToL1MsgProof", "params": [5187, "0x87869cb87c4Fa78ca278dF358E890FF73B42a39E", "0x22de7debaa98758afdaee89f447ff43bab5da3de6acca7528b281cc2f1be2ee9"]}'

Response

- JSON

{ "jsonrpc": "2.0", "result": "0x25f64db", "id": 2 }