

zks_getProof

Returns Merkle proofs for one or more storage values for the specified account along with a Merkle proof of their authenticity. This allows you to verify that the values have not been tampered with.

Parameters

- address
- : [Required
-] The account to fetch storage values and proofs for.
- keys
- : [Required
-] Vector of storage keys in the account.
- l1BatchNumber
- : [Required
-] Number of the L1 batch specifying the point in time at which the requested values are returned.

Response

- address
- : The account address.
- storageProof
- : Proof for each of the requested keys in the order at which they were requested.* key
 - - - The requested storage key.
 -
 - value
 -
 - - The storage value.
 -
 - index
 -
 - - Index of the tree entry.
 -
 - proof
 -
 - - Sequence of zero or more 32-byte hashes that form a Merkle path for the key in the Merkle tree.
 -
 - Hashes are listed using the root-to-leaf ordering. The root hash is excluded; it is published on L1 as a part of L1 batch commit data.

Example

Replace YOUR-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_getProof", "params": ["0x0000000000000000000000000000000000000000000000000000000000000000", ["0x8b65c0cf1012ea9f393197eb24619fd814379b298b238285649e14f936a5eb12"], 354895]}' wscat -c wss://zksync-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc": "2.0", "id": 1, "method": "zks_getProof", "params": ["0x0000000000000000000000000000000000000000000000000000000000000000", ["0x8b65c0cf1012ea9f393197eb24619fd814379b298b238285649e14f936a5eb12"], 354895]}'
```

Response

- JSON

[illegible]

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