

eth_getStorageAt

Returns the value from a storage position at a given address.

Parameters

- address
- : [required
-] A string representing the address (20 bytes) to check for balance.
- blockParameter
- : (string) [required
-] A hexadecimal block number, or one of the tagslatest
- ,earliest
- ,pending
- orfinalized
- . See the[default block parameter](#)
- .
- warning
- safe
- isn't supported. Usefinalized
- instead.
- storage position
- : [required
-] A hexadecimal code of the position in the storage.

Returns

storage value : A hexadecimal equivalent of the integer indicating the value of the storage position at the provided address.

Example

ReplaceYOUR-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_getStorageAt", "params": ["0x295a70b2de5e3953354a6a8344e616ed314d7251", "0x6661e9d6d8b923d5bbaab1b96e1dd51ff6ea2a93520fdc9eb75d059238b8c5e9", "0x65a8db"], "id": 1}' wscat -c
wss://scroll-mainnet.infura.io/ws/v3/ -x '{"jsonrpc": "2.0", "method": "eth_getStorageAt", "params": ["0x295a70b2de5e3953354a6a8344e616ed314d7251", "0x6661e9d6d8b923d5bbaab1b96e1dd51ff6ea2a93520fdc9eb75d059238b8c5e9", "0x65a8db"], "id": 1}'
```

Response

- JSON

```
{ "jsonrpc": "2.0", "id": 1, "result": "0x0000000000000000000000000000000000000000000000000000000000000000" }
```

Additional notes

Calculating the correct position depends on the storage to retrieve. Consider the following contract deployed at0x295a70b2de5e3953354a6a8344e616ed314d7251 by address0x391694e7e0b0cce554cb130d723a9d27458f9298 ,

contract

Storage

```
{ uint pos0 ; mapping ( address
```

```
=>
```

```
uint ) pos1 ;
```

Last updated on Nov 5, 2024 [Previous](#) [eth_getProof](#) [Next](#) [eth_getTransactionByBlockHashAndIndex](#)