

# starknet\_getStateUpdate

Returns information about the result of executing the specified block.

## Parameters

block\_id : [Required ] The block parameter object containing one of the following:

- block\_hash
- : (string) Block hash.
- block\_number
- : (integer) Decimal block number.
- One of the string tags latest
- or pending
- .

## Returns

A state update object or pending state update object containing:

- block\_hash
- : The block hash.
- This is not included in a pending state update object.
- old\_root
- : The previous global state root.
- new\_root
- : The new global state root.
- This is not included in a pending state update object.
- state\_diff
- : The change in state applied in this block, as a map of addresses to the new values
- and/or contracts.

## Example

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

### Request

- cURL

```
curl https://starknet-mainnet.infura.io/v3/YOUR-API-KEY \-X POST \-H "Content-Type: application/json" \-d '{ "jsonrpc": "2.0", "method": "starknet_getStateUpdate", "params": { "block_id": { "block_hash": "0x041b10c45dc3f39372f7b9409261cac9d880c5d75a5bb077d028db20b1bd76c4" } }, "id": 0 }'
```

### Response

- JSON

```
{ "jsonrpc": "2.0", "result": { "block_hash": "0x18ec1a3931bb5a286f801a950e1153bd427d6d3811591cc01e6f074615a1f76", "new_root": "0xc95a878188acf408e285027bd5e7674a88529b8c65ef6c1999b3569aea8bc8", "old_root": "0x7dd643fa7f254c8932c01558f538292304266c00728eeaf4b32b361b5d0d2dd", "state_diff": { "storage_diffs": [{ "address": "0x653d92ffdf2b532003d5e989f763fddc16dc389e0b3889398a6eb1dac0d849", "key": "0xf920571b9f85bdd92a867cfdc73319d0f8836f0e69e06e4c5566b6203f75cc", "value": "0x69577e6756a99b584b5d1ce8e60650ae33b6e2b13541783458268f07da6b38a" }, { "address": "0x653d92ffdf2b532003d5e989f763fddc16dc389e0b3889398a6eb1dac0d849", "key": "0x1379ac0624b939ceb9dede92211d7db5ee174fe28be72245b0a1a2abd81c98f", "value": "0x36dbe3ef0a6ef13fc20e65315840832c0595986d54eba528e22483c7746c005" }, { "address": "0x653d92ffdf2b532003d5e989f763fddc16dc389e0b3889398a6eb1dac0d849", "key": "0x1813aac5f5e7799684c6dc33e51f44d3627fd748c800724a184ed5be09b713e", "value": "0x4" }, { "address": "0x653d92ffdf2b532003d5e989f763fddc16dc389e0b3889398a6eb1dac0d849", "key": "0x321bace1036eaff095582583849a03598bd5764a6265edac86916b830a29d55", "value": "0x1" }, { "address": "0x653d92ffdf2b532003d5e989f763fddc16dc389e0b3889398a6eb1dac0d849", "key": "0x37501df619c4fc4e96f6c0243f55e3abe7d1aca7db9af8f3740ba3696b3fdac", "value": "0x3" } ] } }, "id": 0 }
```

Last updated on May 9, 2024 [Previous starknet\\_getNonce](#) [Next starknet\\_getStorageAt](#)