Account

?module=account

https://instance_base_url/api?module=account

Return balance from a provided block

eth_get_balance

Mimics Ethereum JSON RPC's eth_getBalance

Example:

```
Copy https://instance_base_url/api ?module=account &action=eth_get_balance &address={addressHash}
```

Request Params Example Result Parameter Description address string containing the address hash. block optional . Block number as a string, orlatest ,earliest orpending Latest is the latest balance in aconsensus block. Earliest is the first recorded balance for the address. Pending is the latest balance in a consensusor nonconsensus block.

```
Copy { "id": 1, "jsonrpc": "2.0", "result": "0x0234c8a3397aab58" }
```

Get the native token balance for an address

balance

Many chains use their own native tokens. On Ethereum, this will return the result in "Ether", on Gnosis it will be "xDai", etc. Results are returned in wei.

Example:

```
Copy https://instance_base_url/api ?module=account &action=balance &address={addressHash}
```

Request Params Example Result Parameter Description address string containing the address hash. ```

```
Copy { "message":"OK", "result":"663046792267785498951364", "status":"1" }
```

``` Also available through a GraphQLaddress query. If the balance hasn't been updated recently, the node is double-checked to fetch the absolute latest balance. This will not be reflected in the current request, but once it is updated, subsequent requests will show the updated balance. If you want to know if there is a check for another balance, use thebalancemult i action. That contains a property calledstale that will let you know to recheck that balance in the near future.

Get balance for multiple addresses

balancemulti

Example:

```
Copy https://instance_base_url/api ?module=account &action=balancemulti &address={addressHash1,addressHash2,addressHash3}
```

Request Params Example Result Parameter Description address string containing the address hash, comma separated.Max 20 addresses. ```

```
Copy { "message": "OK", "result": [ { "account": "0xddbd2b932c763ba5b1b7ae3b362eac3e8d40121a", "balance": "40807168566070000000000", "stale": true }, { "account": "0x63a9975ba31b0b9626b34300f7f627147df1f526", "balance": "332567136222827062478", "stale": false }, { "account": "0x198ef1ec325a96cc354c7266a038be8b5c558f67", "balance": "185178830000000000", "stale": false } ], "status": "1" }
```

``` Also available through a GraphQL 'addresses' query If the balance hasn't been updated in a long time, the node is double checked to fetch the absolute latest balance. This is not reflected in the current request, but once it is updated, subsequent requests will show the updated balance. Thestale attribute will be set totrue if a new balance is being fetched.

Get pending transactions by address

pendingtxlist

Example:

```
Copy https://instance_base_url/api ?module=account &action=pendingtxlist &address={addressHash} &page=1 &offset=5
```

Request Params Example Result Parameter Description address string containing the address hash. page optional integer representing the page number used for pagination. 'offset' must also be provided. offset optional integer representing number of transactions returned per page.page must also be provided. ```

```
Copy
"message": "OK", "result": [ { "contractAddress": "", "cumulativeGasUsed": "122207", "from": "0x3fb1cd2cd96c6d5c0b5eb3322d807b34482481d4", "gas": "122261", "gasPrice": "50000000000", "gasUsed": "122207", "hash": "0x98beb27135aa0a25650557005ad962919d6a278c4b3dde7f4f6a3a1e65aa746c", "input": "0xf00d4b5d00000000000000000000000000000000036c8cecce8d8bbf0831d840d7f29c9e3ddefa6300000000000000000000000000c5a96db085dda36ffbe390f455315d30d6d3dc52", "nonce": "0", "to": "0xde0b295669a9fd93d5f28d9ec85e40f4cb697bae", "value": "0" } ], "status": "1" }
```
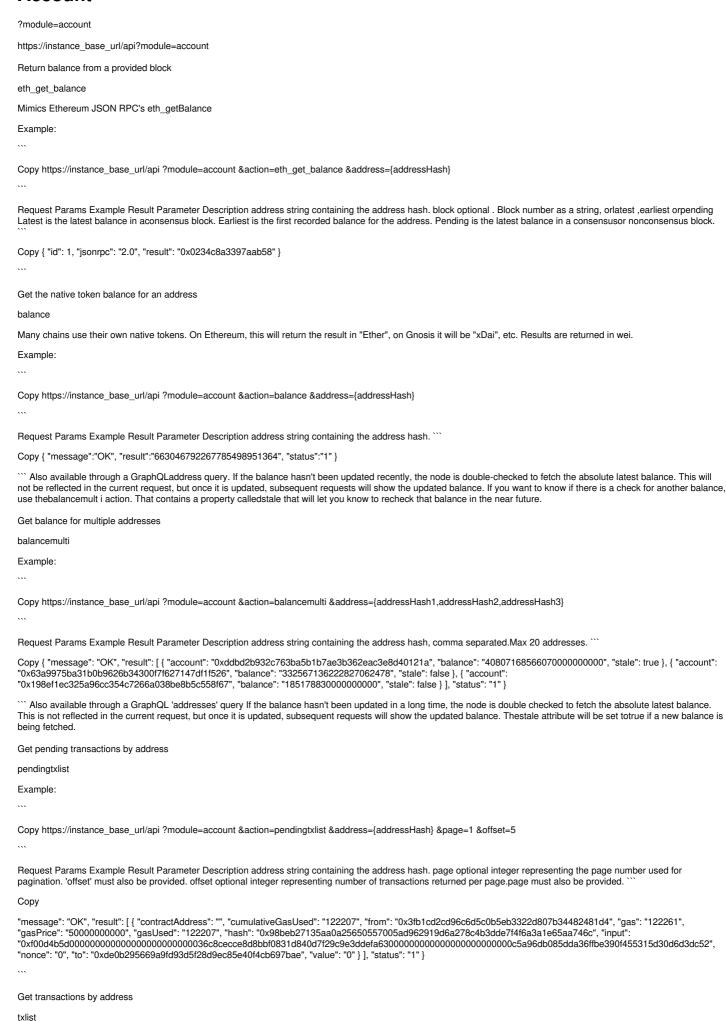
Get transactions by address

txlist

Maximum of 10,000 transactions. Also available through a GraphQL 'address' query. For faster results, specify a smaller block range to search using thestartblock andendblock parameters

Example:

```

Copy https://instance_base_url/api ?module=account &action=txlist &address={addressHash} &startblock=555555 &endblock=666666 &page=1 &offset=5 &sort=asc

```

Request Params Example Result Parameter Description address string containing the address hash. sort optional sorting preference,asc for ascending anddesc for descending. Descending is default. startblock optional integer block number to start transaction search endblock optional integer block number to stop transaction search. page optional integer representing the page number used for pagination.offset must also be provided. offset optional integer representing number of transactions returned per page.page must also be provided. filter_by optional string representing the field to filter by. Values includeto andfrom . If none provided returns transactions that match to, from, or contract address. start_timestamp optional starting block unix timestamp. end_timestamp optional ending block unix timestamp. ```

Copy { "message": "OK", "result": [{ "blockHash": "0x373d339e45a701447367d7b9c7cef84aab79c2b2714271b908cda0ab3ad0849b", "blockNumber": "65204", "confirmations": "5994246", "contractAddress": "", "cumulativeGasUsed": "122207", "from": "0x3fb1cd2cd96c6d5c0b5eb3322d807b34482481d4", "gas": "122261", "gasPrice": "50000000000", "gasUsed": "122207", "hash": "0x98beb27135aa0a25650557005ad962919d6a278c4b3dde7f4f6a3a1e65aa746c", "input": "0xf00d4b5d00000000000000000000000000036c8cecce8d8bbf0831d840d7f29c9e3ddefa630000000000000000000000000c5a96db085dda36ffbe390f455315d30d6d3dc52", "isError": "0", "nonce": "0", "timeStamp": "1439232889", "to": "0xde0b295669a9fd93d5f28d9ec85e40f4cb697bae", "transactionIndex": "0", "txreceipt_status": "1", "value": "0" }], "status": "1" }

```

Get internal transactions by transaction or address hash

txlistinternal

Up to a maximum of 10,000 internal transactions. Also available through a GraphQL 'transaction' query. For faster results, specify a smaller block range to search using the start_block and end_block parameters.

Example:

```

Copy https://instance_base_url/api ?module=account &action=txlistinternal &txhash={transactionHash} &startblock=555555 &endblock=666666 &page=1 &offset=5 &sort=asc

```

Request Params Example Result Parameter Description txhash string representing the transaction hash to check for internal transactions address optional string containing the address hash. sort optional sorting preference,asc for ascending anddesc for descending. Descending is default.Only available if 'address' is provided. startblock optional integer block number to start transaction search.Only available if 'address' is provided. endblock optional integer block number to stop transaction search.Only available if 'address' is provided. page optional integer representing the page number used for pagination.offset must also be provided.Only available if 'address' is provided. offset optional integer representing number of transactions returned per page.page must also be provided.Only available if 'address' is provided. ```

Copy { "message": "OK", "result": [ { "blockNumber": "6153702", "callType": "delegatecall", "contractAddress": "0x883103875d905c11f9ac7dacbfc16deb39655361", "errCode": "", "from": "0x2ca1e3f250f56f1761b9a52bc42db53986085eff", "gas": "814937", "gasUsed": "536262", "index": "0", "input": "", "isError": "0", "timeStamp": "1534362606", "to": "", "transactionHash": "0xd65b788c610949704a5f9aac2228c7c777434dfe11c863a12306f57fcbd8cdbb", "type": "call", "value": "5488334153118633" } ], "status": "1" }

```

Get token transfer events by address

tokentx

Up to a maximum of 10,000 token transfer events. Also available through the GraphQLtoken_transfers query.

Example:

```

Copy https://instance_base_url/api ?module=account &action=tokentx &address={addressHash} &page=1 &offset=10 &sort=asc

```

Request Params Example Result Parameter Description address string containing the address hash. contract address optional string with the token contract address to identify a contract. sort optional sorting preference,asc for ascending anddesc for descending. Descending is default. startblock optional integer block number to start transaction search endblock optional integer block number to stop transaction search. page optional integer representing the page number used for pagination.offset must also be provided. offset optional integer representing number of transactions returned per page.page must also be provided. ```

Copy { "message": "OK", "result": [{ "blockHash": "0x6169c5dc05d0051564ba3eae8ebfbdefda640c5f5ffc095846b8aed0b44f64ea", "blockNumber": "5997843", "confirmations": "199384", "contractAddress": "0x9f8f72aa9304c8b593d555f12ef6589cc3a579a2", "cumulativeGasUsed": "1043649", "from": "0x4e83362442b8d1bec281594cea3050c8eb01311c", "gas": "44758", "gasPrice": "7000000000", "gasUsed": "37298", "hash": "0xd65b788c610949704a5f9aac2228c7c777434dfe11c863a12306f57fcbd8cdbb", "input": "0xa9059cbb00000000000000000000000021e21ba085289f81a86921de890eed30f1ad2375000000000000000000000000000000000000000000000008ac7230489e80000", "logIndex": "0", "nonce": "765", "timeStamp": "1532086946", "to": "0x21e21ba085289f81a86921de890eed30f1ad2375", "tokenDecimal": "18", "tokenName": "Maker", "tokenSymbol": "MKR", "transactionIndex": "27", "value": "10000000000000000000" }], "status": "1" }

```

Get ERC-721 token transfer events by address

tokennfttx

Example:

```

Copy https://instance_base_url/api ?module=account &action=tokennfttx &address={addressHash} &page=1 &offset=10 &sort=asc

```

Request Params Example Result Parameter Description address string containing the address hash. contractaddress optional string with the token contract address to identify a contract. sort optional sorting preference,asc for ascending anddesc for descending. Descending is default. startblock optional integer block number to start transaction search endblock optional integer block number to stop transaction search. page optional integer representing the page number used for pagination.offset must also be provided. offset optional integer representing number of transactions returned per page.page must also be provided. ```

Copy { "message": "OK", "result": [ { "blockHash": "0x3b8e5e9ecb0ad53e58cd99182de99a1166946dc758b85a5529710bd47e35a49d", "blockNumber": "8879951", "confirmations": "1295191", "contractAddress": "0xe0617cd5b8271070b68bfc275220ef5dd32b8f58", "cumulativeGasUsed": "15289706", "from": "0x0000000000000000000000000000000000000000", "gas": "59636", "gasPrice": "1503183880", "gasUsed": "59636", "hash": "0x844ddc178dbeed48c9caef9a71a86b2d017529c1074a0390d2a61d29baa94c94", "input": "deprecated", "logIndex": "83", "nonce": "301", "timeStamp": "1682283420", "to": "0x34aa3f359a9d614239015126635ce7732c18fdf3", "tokenDecimal": "0", "tokenID": "2", "tokenName": "YourMintableSoulboundCollectible", "tokenSymbol": "YMSC", "transactionIndex": "42" } ], "status": "1" }

``` Usage:

- To fetch ERC-721 token transfers by address, specifyaddress
- parameter
- To fetch ERC-721 token transfers by token, specifycontractaddress
- parameter
- To fetch ERC-721 token transfers by address filtered by token, specify bothaddress
- andcontractaddress
- parameters
-

Get token account balance for token contract address

tokenbalance

Example:

```

Copy https://instance_base_url/api ?module=account &action=tokenbalance &contractaddress={contractAddressHash} &address={addressHash}

```

Request Params Example Result Parameter Description contract address string containing the contract address hash. address string containing the account address hash to retrieve balance for. ```

Copy { "message": "OK", "result": "135499", "status": "1" }

```

Get list of tokens owned by address

tokenlist

Example:

```

Copy https://instance_base_url/api ?module=account &action=tokenlist &address={addressHash}

```

Request Params Example Result Parameter Description address string containing the account address hash. ```

Copy { "message": "OK", "result": [{ "balance": "135499", "contractAddress": "0x0000000000000000000000000000000000000000", "decimals": "18", "name": "Example Token", "symbol": "ET", "type": "ERC-20" }, { "balance": "1", "contractAddress": "0x0000000000000000000000000000000000000001", "decimals": "18", "name": "Example ERC-721 Token", "symbol": "ET7", "type": "ERC-721" }], "status": "1" }

```

Get list of blocks mined by address

getminedblocks

Example:

```

Copy https://instance_base_url/api ?module=account &action=getminedblocks &address={addressHash}

```

Request Params Example Result Parameter Description address string containing the address hash. page optional integer representing the page number used for pagination. 'offset' must also be provided. offset optional integer representing number of transactions returned per page.page must also be provided. ```

Copy { "message": "OK", "result": [ { "blockNumber": "3462296", "blockReward": "5194770940000000000", "timeStamp": "1491118514" } ], "status": "1" }

```

Get a list of accounts and their balances

listaccounts

Lists accounts and native balances, sorted ascending by the time they were first seen by the explorer.

Example:

```

Copy https://instance_base_url/api ?module=account &action=listaccounts &address={addressHash} &page=1 &offset=3

```

Request Params Example Result Parameter Description page optional integer representing the page number used for pagination. 'offset' must also be provided. offset optional integer representing number of transactions returned per page.page must also be provided. If the balance hasn't been updated in a long time, the node is double checked to fetch the absolute latest balance. This is not reflected in the current request, but once it is updated, subsequent requests will show the updated balance. Thestale attribute will be set totrue if a new balance is being fetched. ```

Copy { "message": "OK", "result": [{ "address": "0x3870c57fbf1d7e49b154269331c7bc66c64d8857", "balance": "3790064387342000000", "stale": false }, { "address": "0x497d69ae30d7cca0aa84d647c6d85a59a82c16ef", "balance": "2047176464264000000", "stale": false }, { "address": "0x9233042b8e9e03d5dc6454bbbe5aee83818ff103", "balance": "444111960222208758647", "stale": false }], "status": "1" }

```