

HTTP

Solana nodes accept HTTP requests using the JSON-RPC 2.0 specification.

Info

- For JavaScript applications, use the `@solana/web3.js` library as a convenient interface for the RPC methods to interact with a Solana node.
- For a PubSub connection to a Solana node, use the WebSocket API.

Request Formatting

To make a JSON-RPC request, send an HTTP POST request with a `Content-Type: application/json` header. The JSON request data should contain the following fields:

Field	Type	Description
<code>jsonrpc</code>	<code>string</code>	Set to <code>"2.0"</code> .
<code>id</code>	<code>string number</code>	A unique identifier for the request, generated by the client. Can be a string, number, or <code>null</code> .
<code>method</code>	<code>string</code>	The name of the method to invoke.
<code>params</code>	<code>array</code>	A JSON array of ordered parameter values.

Example Request using cURL

```
curl https://mainnet.helius-rpc.com/?api-key=<api-key> -s -X POST -H "Content-Type: application/json" -d '{<!-- JSON-RPC Request -->"jsonrpc": "2.0",<!-- Request Identifier -->"id": 1,<!-- Method -->"method": "getBalance",<!-- Parameters -->"params": ["83astBRguLMdt2h5U1Tpdk5tjFoJ6noeGwaY3mDLVcri"]}'
```

Response Format

The response will be a JSON object with the following fields:

Field	Type	Description
jsonrpc	string	Matches the request specification.
id	number	Matches the request identifier.
result	array number object string	Requested data or success confirmation.

Batch Requests

Requests can be sent in batches by sending an array of JSON-RPC request objects in a single POST request.

Example Request with Commitment

The `commitment` parameter should be included as the last element in the `params` array:

```
curl https://mainnet.helius-rpc.com/?api-key=<api-key> -s -X POST -H "Content-Type: application/json" -d '{  
    "jsonrpc": "2.0",  
    "id": 1,  
    "method": "getBalance",  
    "params": [  
        "83astBRguLMdt2h5U1Tpdk5tjFoJ6noeGwaY3mDLVcri",  
        {"  
            "commitment": "finalized"  
        }  
    ]  
}'
```

Definitions

- **Hash:** A SHA-256 hash of a chunk of data.
- **Pubkey:** The public key of an Ed25519 key-pair.
- **Transaction:** A list of Solana instructions signed by a client keypair to authorize those actions.
- **Signature:** An Ed25519 signature of a transaction's payload data, including instructions. This can be used to identify transactions.

Health Check

Although not part of the JSON-RPC API, a `GET /health` request at the RPC HTTP endpoint provides a health-check mechanism for load balancers or other network infrastructure.

Response Codes

Status	Description
ok	The node is within <code>HEALTH_CHECK_SLOT_DISTANCE</code> slots of the

behind { distance }

latest cluster confirmed slot.

The node is behind by `distance` slots from the latest cluster confirmed slot.

unknown

The node is unable to determine its status relative to the cluster.

Example health check response body:

- `ok`
- `behind { distance }`
- `unknown`

getAccountInfo

Returns all information associated with the account of provided Pubkey

getAccountInfo

POST /?api-key=<api-key>

► Test it

Body

`id integer`

A unique identifier for the request.

Example: `1`

`jsonrpc string · enum`

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method string · enum`

The name of the RPC method to invoke.

Example: `getAccountInfo`

Options: `getAccountInfo`

`params one of[]`

+ Show available items

Responses

➤ `200` Successfully retrieved account information.

➤ `400` Invalid request.

➤ `401` Unauthorized, invalid API key.

➤ `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getAccountInfo",
  "params": [
    "vines1vzrYbzLMRdu58ou5XTby4qAqVRLmqo36NKPTg",
    {
      "encoding": "base58"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{
  "jsonrpc": "2.0",
  "result": {
    "context": {
      "apiVersion": "2.0.15",
      "slot": 341197053
    },
    "value": null
  }
}
```

Successfully retrieved account information.

getBalance

Returns the lamport balance of the account of provided Pubkey

getBalance

POST /?api-key=<api-key>

▷ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Options: `getBalance`

params one of[] **required**

+ Show available items

Responses

> **200** Successfully retrieved account balance.

> **400** Invalid request.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBalance",
  "params": [
    "83astBRguLMdt2h5U1Tpdaq5tjFoJ6noeGwaY3mDLVcri"
  ]
}'
```

200 400

```
{  
  "id": "text",  
  "jsonrpc": "2.0",  
  "result": {  
    "value": 0,  
    "context": {  
      "slot": 1  
    }  
  }  
}
```

Successfully retrieved account balance.

getBlock

Returns identity and transaction information about a confirmed block in the ledger

getBlock

POST /?api-key=<api-key>

► Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Options: `getBlock`

params one of[] **required**

+ Show available items

Responses

> **200** Successfully retrieved block details.

> **400** Invalid request.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBlock",
  "params": [
    430
  ]
}'
```

200 400

```
{  
  "id": "text",  
  "jsonrpc": "2.0",  
  "result": {  
    "blockhash": "3Eq21vXNB5s86c62bVuUfTeaMif1N2kUqRPBmGRJhyTA",  
    "previousBlockhash": "mfcyqEXB3DnHXki6KjjmZck6YjmZLvpAByy2fj4nh6B",  
    "parentSlot": 429,  
    "blockTime": null,  
    "blockHeight": 428,  
    "transactions": [  
      {  
        "transaction": {},  
        "meta": {  
          "fee": 5000,  
          "preBalances": [  
            1  
          ],  
          "postBalances": [  
            1  
          ],  
          "rewards": [  
            {  
              "pubkey": "text",  
              "lamports": 1,  
              "rewardType": "text"  
            }  
          ]  
        }  
      }  
    ]  
  }  
}
```

Successfully retrieved block details.

getBlockCommitment

Returns commitment for particular block

getBlockCommitment

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Options: `getBlockCommitment`

`params` integer[] **required**

Block number identified by Slot (as `u64` integer).

Responses

➢ `200` Successfully retrieved block commitment.

➢ `400` Invalid request.

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```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBlockCommitment",
  "params": [
    5
  ]
}'
```

200 400

```
{ "id": "text",
  "jsonrpc": "2.0",
  "result": {
    "totalStake": 42,
    "commitment": null
  }
}
```

Successfully retrieved block commitment.

getBlockHeight

Returns the current block height of the node

getBlockHeight

POST /?api-key=<api-key>

▶ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Options: `getBlockHeight`

params object[] **required**

Configuration options for the request.

+ Show child attributes

Responses

> **200** Successfully retrieved current block height.

> **400** Invalid request.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBlockHeight",
  "params": [
    {
      "minContextSlot": 1,
      "commitment": "finalized"
    }
  ]
}'
```

200 400

```
{ "id": "text", "result": 1233, "jsonrpc": "2.0" }
```

Successfully retrieved current block height.

getBlockProduction

Returns recent block production information from the current or previous epoch.

getBlockProduction

POST /?api-key=<api-key>

▷ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Options: `getBlockProduction`

params one of[] **required**

+ Show available items

Responses

> `200` Successfully retrieved block production information.

> `400` Invalid request.

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```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBlockProduction",
  "params": [
    {
      "identity": "85iYT5RuzRTDgjyRa3cP8SYhM2j21fj7NhfJ3peu1DPr",
      "commitment": "finalized",
      "range": {
        "firstSlot": 0,
        "lastSlot": 9887
      }
    }
  ]
}'
```

200 400

```
{
  "id": "text",
  "jsonrpc": "2.0",
  "result": {
    "context": {
      "slot": 9887
    },
    "value": {
      "byIdentity": {
        "85iYT5RuzRTDgjyRa3cP8SYhM2j21fj7NhfJ3peu1DPr": [
          9888,
          9886
        ]
      },
      "range": {
        "firstSlot": 0,
        "lastSlot": 9887
      }
    }
  }
}
```

Successfully retrieved block production information.

getBlockTime

Returns the estimated production time of a block.

getBlockTime

POST /?api-key=<api-key>

▷ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Options: `getBlockTime`

params integer[] **required**

Block number identified by Slot (as `u64` integer).

Responses

> **200** Successfully retrieved block time.

> **400** Block time not available.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBlockTime",
  "params": [
    5
  ]
}'
```

200 400

```
{  
  "id": "text",  
  "result": 1574721591,  
  "jsonrpc": "2.0"  
}
```

Successfully retrieved block time.

getBlocks

Returns a list of confirmed blocks between two slots

getBlocks

POST /?api-key=<api-key>

► Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Example: `getBlocks`

Options: `getBlocks`

params one of[] **required**

+ Show available items

Responses

➤ **200** Successfully retrieved confirmed blocks.

➤ **400** Invalid request.

401 Unauthorized, invalid API key.

500 Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBlocks",
  "params": [
    5
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{ "id": "1",
  "jsonrpc": "2.0",
  "result": [
    5,
    6,
    7,
    8,
    9,
    10
  ]
}
```

Successfully retrieved confirmed blocks.

getBlocksWithLimit

Returns a list of confirmed blocks starting at the given slot

getBlocksWithLimit

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getBlocksWithLimit`

Options: `getBlocksWithLimit`

`params` object[] **required**

+ Show child attributes

Responses

› `200` Successfully retrieved confirmed blocks.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getBlocksWithLimit",
  "params": [
    {
      "start_slot": 5,
      "limit": 3,
      "commitment": "finalized"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{ "id": "1",
  "jsonrpc": "2.0",
  "result": [
    5,
    6,
    7
  ]
}
```

Successfully retrieved confirmed blocks.

getClusterNodes

Returns information about all the nodes participating in the cluster

getClusterNodes

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getClusterNodes`

Options: `getClusterNodes`

Responses

- `200` Successfully retrieved cluster node information.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

`cURL` `JavaScript` `Python` `HTTP`

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getClusterNodes"
}'
```

200 400 401 500

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": [
    {
      "pubkey": "9QzsJf7LPLj8GkXbYT3LFDKqsj2hHG7TA3xinJHu8epQ",
      "gossip": "10.239.6.48:8001",
      "tpu": "10.239.6.48:8856",
      "rpc": "10.239.6.48:8899",
      "version": "1.0.0 c375ce1f",
      "featureSet": 1,
      "shredVersion": 1
    }
  ]
}
```

Successfully retrieved cluster node information.

getEpochInfo

Returns information about the current epoch

getEpochInfo

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getEpochInfo`

Options: `getEpochInfo`

`params` object[]

+ Show child attributes

Responses

› `200` Successfully retrieved epoch information.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getEpochInfo",
  "params": [
    {
      "commitment": "finalized",
      "minContextSlot": 1000
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "absoluteSlot": 166598,
    "blockHeight": 166500,
    "epoch": 27,
    "slotIndex": 2790,
    "slotsInEpoch": 8192,
    "transactionCount": 22661093
  }
}
```

Successfully retrieved epoch information.

getEpochSchedule

Returns the epoch schedule information from this cluster's genesis config

getEpochSchedule

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getEpochSchedule`

Options: `getEpochSchedule`

Responses

› `200` Successfully retrieved epoch schedule information.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getEpochSchedule"
}'
```

200 400 401 500

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "slotsPerEpoch": 8192,
    "leaderScheduleSlotOffset": 8192,
    "warmup": true,
    "firstNormalEpoch": 8,
    "firstNormalSlot": 8160
  }
}
```

Successfully retrieved epoch schedule information.

getFeeForMessage

Get the fee the network will charge for a particular Message

getFeeForMessage

POST /?api-key=<api-key>

▷ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Example: `getFeeForMessage`

Options: `getFeeForMessage`

params one of[] **required**

+ Show available items

Responses

➢ **200** Successfully retrieved the fee for the given message.

➢ **400** Invalid request.

➢ **401** Unauthorized, invalid API key.

➢ **500** Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getFeeForMessage",
  "params": [
    "AQABAgIAAAAAAAAAAAAAAAAAAAAAAAAQAAAAA"
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{ "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "value": 5000,
    "context": {
      "slot": 5068
    }
}
```

Successfully retrieved the fee for the given message.

getFirstAvailableBlock

Returns the slot of the lowest confirmed block that has not been purged from the ledger

getFirstAvailableBlock

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getFirstAvailableBlock`

Options: `getFirstAvailableBlock`

Responses

- `200` Successfully retrieved the slot of the lowest confirmed block.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getFirstAvailableBlock"
}'
```

200 400 401 500

```
{  
  "id": "1",  
  "result": 250000,  
  "jsonrpc": "2.0"  
}
```

Successfully retrieved the slot of the lowest confirmed block.

getGenesisHash

Returns the genesis hash

getGenesisHash

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getGenesisHash`

Options: `getGenesisHash`

Responses

› `200` Successfully retrieved the genesis hash.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getGenesisHash"
}'
```

200 400 401 500

```
{
  "id": "1",
  "result": "GH7ome3EiwEr7tu9JuTh2dpYWBJK3z69Xm1ZE3MEE6JC",
  "jsonrpc": "2.0"
}
```

Successfully retrieved the genesis hash.

getHealth

Returns the current health of the node. A healthy node is one that is within HEALTH_CHECK_SLOT_DISTANCE slots of the latest cluster confirmed slot.

getHealth

POST /?api-key=<api-key>

▷ Test it

Body

id string

A unique identifier for the request.

Example: `1`

jsonrpc string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

method string · enum

The name of the RPC method to invoke.

Example: `getHealth`

Options: `getHealth`

Responses

› **200** The node is healthy.

› **500** The node is unhealthy.

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```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getHealth"
}'
```

200 500

```
{  
  "id": "1",  
  "result": "ok",  
  "jsonrpc": "2.0"  
}
```

The node is healthy.

getHighestSnapshotSlot

Returns the highest slot information that the node has snapshots for. This will find the highest full snapshot slot, and the highest incremental snapshot slot based on the full snapshot slot, if ther

getHighestSnapshotSlot

POST /?api-key=<api-key>

▷ Test it

Body

id string

A unique identifier for the request.

Example: [1](#)

jsonrpc string · enum

The JSON-RPC protocol version.

Example: [2.0](#)

Options: [2.0](#)

method string · enum

The name of the RPC method to invoke.

Example: [getHighestSnapshotSlot](#)

Options: [getHighestSnapshotSlot](#)

Responses

› 200 The node has a snapshot.

› 500 The node has no snapshot.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getHighestSnapshotSlot"
}'
```

200 500

```
{  
  "id": "1",  
  "jsonrpc": "2.0",  
  "result": {  
    "full": 100,  
    "incremental": 110  
  }  
}
```

The node has a snapshot.

getIdentity

Returns the identity pubkey for the current node

getIdentity

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getIdentity`

Options: `getIdentity`

Responses

- `200` Successfully retrieved the identity of the node.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getIdentity"
}'
```

200 400 401 500

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "identity": "2r1F4iWqVcb8M1DbAjQuFpebkQHY9hcVU4WuW2DJBppN"
  }
}
```

Successfully retrieved the identity of the node.

getInflationGovernor

Returns the current inflation governor

getInflationGovernor

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getInflationGovernor`

Options: `getInflationGovernor`

Responses

› `200` Successfully retrieved inflation governor information.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

`cURL` `JavaScript` `Python` `HTTP`

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getInflationGovernor"
}'
```

200 400 401 500

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "initial": 0.15,
    "terminal": 0.015,
    "taper": 0.15,
    "foundation": 0.05,
    "foundationTerm": 7
  }
}
```

Successfully retrieved inflation governor information.

getInflationRate

Returns the specific inflation values for the current epoch

getInflationRate

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getInflationRate`

Options: `getInflationRate`

Responses

- `200` Successfully retrieved inflation rate information.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

`cURL` `JavaScript` `Python` `HTTP`

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "getInflationRate"
}'
```

200 400 401 500

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "total": 0.149,
    "validator": 0.148,
    "foundation": 0.001,
    "epoch": 100
  }
}
```

Successfully retrieved inflation rate information.

getInflationReward

Returns the inflation / staking reward for a list of addresses for an epoch

getInflationReward

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getInflationReward`

Options: `getInflationReward`

`params` one of[]

+ Show available items

Responses

› `200` Successfully retrieved inflation reward information.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getInflationReward",
  "params": [
    [
      "6dmNQ5jwLeLk5REvio1JcMshcbvkYMwy26sJ8pbkvStu",
      "BGsqMegLpV6n6Ve146sSX2dTjUMj3M92HnU8BbNRNhF2"
    ]
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": [
    {
      "epoch": 2,
      "effectiveSlot": 224,
      "amount": 2500,
      "postBalance": 499999442500,
      "commission": 5
    }
  ]
}
```

Successfully retrieved inflation reward information.

getLargestAccounts

Returns the 20 largest accounts, by lamport balance (results may be cached up to two hours)

 This method is blocked. If you need this method please contact Helius support.

getLargestAccounts

POST /?api-key=<api-key>

▶ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Example: `getLargestAccounts`

Options: `getLargestAccounts`

params object[]

+ Show child attributes

Responses

> `200` Successfully retrieved the largest accounts.

› 400 Invalid request.

› 401 Unauthorized, invalid API key.

› 500 Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getLargestAccounts",
  "params": [
    {
      "commitment": "finalized",
      "filter": "circulating"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "context": {
      "slot": 54
    },
    "value": [
      {
        "lamports": 999974,
        "address": "99P8ZgtJYe1buSK8JXkvpLh8xPsCFuLYhz9hQFNw93WJ"
      }
    ]
  }
}
```

Successfully retrieved the largest accounts.

getLatestBlockhash

Returns the latest blockhash

getLatestBlockhash

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getLatestBlockhash`

Options: `getLatestBlockhash`

`params` object[]

+ Show child attributes

Responses

› `200` Successfully retrieved the latest blockhash information.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getLatestBlockhash",
  "params": [
    {
      "minContextSlot": 1000,
      "commitment": "processed"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{ "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "context": {
      "slot": 2792
    },
    "value": {
      "blockhash": "EkSnNWid2cvwEVnVx9aBqawnmiCNiDgp3gUdkDPTKN1N",
      "lastValidBlockHeight": 3090
    }
  }
}
```

Successfully retrieved the latest blockhash information.

getLeaderSchedule

Returns the leader schedule for an epoch

getLeaderSchedule

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getLeaderSchedule`

Options: `getLeaderSchedule`

`params` one of[]

+ Show available items

Responses

› `200` Successfully retrieved the leader schedule.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getLeaderSchedule",
  "params": [
    null
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{\n  "id": "1",\n  "jsonrpc": "2.0",\n  "result": null\n}
```

Successfully retrieved the leader schedule.

getMaxRetransmitSlot

Get the max slot seen from retransmit stage.

getMaxRetransmitSlot

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getMaxRetransmitSlot`

Options: `getMaxRetransmitSlot`

Responses

- `200` Successfully retrieved the maximum retransmit slot.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getMaxRetransmitSlot"
}'
```

200 400 401 500

```
{  
  "id": "1",  
  "result": 1234,  
  "jsonrpc": "2.0"  
}
```

Successfully retrieved the maximum retransmit slot.

getMaxShredInsertSlot

Get the max slot seen from after shred insert.

getMaxShredInsertSlot

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getMaxShredInsertSlot`

Options: `getMaxShredInsertSlot`

Responses

- `200` Successfully retrieved the maximum shred insert slot.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getMaxShredInsertSlot"
}'
```

200 400 401 500

```
{  
  "id": "1",  
  "result": 1234,  
  "jsonrpc": "2.0"  
}
```

Successfully retrieved the maximum shred insert slot.

getMinimumBalanceForRentExemption

Returns minimum balance required to make account rent exempt.

getMinimumBalanceForRentExemption

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getMinimumBalanceForRentExemption`

Options: `getMinimumBalanceForRentExemption`

`params` one of[]

+ Show available items

Responses

› `200` Successfully retrieved the minimum balance for rent exemption.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getMinimumBalanceForRentExemption",
  "params": [
    50
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{ "id": "1",
  "result": 500,
  "jsonrpc": "2.0"
}
```

Successfully retrieved the minimum balance for rent exemption.

getMultipleAccounts

Returns the account information for a list of Pubkeys.

getMultipleAccounts

POST /?api-key=<api-key>

▷ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Example: `getMultipleAccounts`

Options: `getMultipleAccounts`

params one of[] **required**

+ Show available items

Responses

› **200** Successfully retrieved the account details.

› **400** Invalid request.

› **401** Unauthorized, invalid API key.

› **500** Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getMultipleAccounts",
  "params": [
    [
      "vines1vzrYbzLMRdu58ou5XTby4qAqVRLmqa36NKPTg",
      "4fYNw3dojWmQ4dXtSGE9epjRGy9pFSx62YypT7avPYvA"
    ]
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{ "id": "1",
  "jsonrpc": "2.0",
  "result": {
    "context": {
      "apiVersion": "2.0.15",
      "slot": 341197247
    },
    "value": [
      null
    ]
  }
}
```

Successfully retrieved the account details.

getProgramAccounts

Returns all accounts owned by the provided program Pubkey

getProgramAccounts

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getProgramAccounts`

Options: `getProgramAccounts`

`params` one of[] **required**

+ Show available items

Responses

› `200` Successfully retrieved program accounts.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getProgramAccounts",
  "params": [
    "4Nd1mBQtrMJVYVfKf2PJy9NZUZdTAsp7D4xWLs4gDB4T"
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": [
    {
      "pubkey": "CxELquR1gPP8wHe33gZ4QxqGB3sZ9RSwsJ2KshVewkFY",
      "account": {
        "lamports": 15298080,
        "owner": "4Nd1mBQtrMJVYVfKf2PJy9NZUZdTAsp7D4xWLs4gDB4T",
        "executable": false,
        "rentEpoch": 28,
        "space": 42,
        "data": [
          "2R9jLfiAQ9bgdcw6h8s44439",
          "base58"
        ]
      }
    }
  ]
}
```

Successfully retrieved program accounts.

getRecentPerformanceSamples

Returns a list of recent performance samples, in reverse slot order. Performance samples are taken every 60 seconds and include the number of transactions and slots that occur in a given time window.

getRecentPerformanceSamples

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getRecentPerformanceSamples`

Options: `getRecentPerformanceSamples`

`params` integer[]

Number of samples to return (maximum 720).

Responses

- `200` Successfully retrieved performance samples.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.

› 500 Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getRecentPerformanceSamples",
  "params": [
    4
  ]
}'
```

200 400 401 500

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": [
    {
      "slot": 348125,
      "numTransactions": 126,
      "numNonVoteTransactions": 1,
      "samplePeriodSecs": 60,
      "numSlots": 126
    }
  ]
}
```

Successfully retrieved performance samples.

getRecentPrioritizationFees

Returns a list of prioritization fees from recent blocks.

getRecentPrioritizationFees

POST /?api-key=<api-key>

▷ Test it

Body

`id` string **required**

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum **required**

The name of the RPC method to invoke.

Example: `getRecentPrioritizationFees`

Options: `getRecentPrioritizationFees`

`params` string[] []

A base-58 encoded account address.

+ Show string[]

Responses

> `200` Successfully retrieved recent prioritization fees.

> `400` Invalid request.

> `401` Unauthorized, invalid API key.

› 500 Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "id": "1",
  "jsonrpc": "2.0",
  "method": "getRecentPrioritizationFees",
  "params": [
    [
      "CxELquR1gPP8wHe33gZ4QxqGB3sZ9RSwsJ2KshVewkFY"
    ]
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

```
{ "id": "1",
  "jsonrpc": "2.0",
  "result": [
    {
      "slot": 348125,
      "prioritizationFee": 1234
    }
  ]
}
```

Successfully retrieved recent prioritization fees.

getSignatureStatuses

Returns the statuses of a list of signatures. Each signature must be a txid, the first signature of a transaction.

getSignatureStatuses

POST /?api-key=<api-key>

▷ Test it

Body

id string

A unique identifier for the request.

Example: `1`

jsonrpc string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

method string · enum

The name of the RPC method to invoke.

Example: `getSignatureStatuses`

Options: `getSignatureStatuses`

params one of[]

+ Show available items

Responses

> **200** Successfully retrieved signature statuses.

400 Invalid request.

401 Unauthorized, invalid API key.

500 Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getSignatureStatuses",
  "params": [
    [
      "5VERv8NMvzbJMEkV8xnrLkEaWRtSz9CosKDYjCJjBRnbJLgp8uirBgmQpjKhoR4t
    ],
    {
      "searchTransactionHistory": true
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved signature statuses.

getSignaturesForAddress

Returns signatures for confirmed transactions that include the given address in their accountKeys list. Returns signatures backwards in time from the provided signature or most recent confirmed block

Note: This query may occasionally fail due to internal timeouts in the archival database. If this occurs, please retry.

getSignaturesForAddress

POST /?api-key=<api-key>

▷ Test it

Body

id string **required**

A unique identifier for the request.

Example: `1`

jsonrpc string · enum **required**

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

method string · enum **required**

The name of the RPC method to invoke.

Example: `getSignaturesForAddress`

Options: `getSignaturesForAddress`

params one of[] **required**

+ Show available items

Responses

- 200 Successfully retrieved signatures for the specified address.
 - 400 Invalid request.
 - 401 Unauthorized, invalid API key.
 - 500 Server error.

cURL JavaScript Python HTTP

200 400 401 500

```
{  
  "id": "1",  
  "jsonrpc": "2.0",  
  "result": [  
    {  
      "signature": "5h6xBEauJ3PK6SWCZ1PGjBvj8vDdWG3KpwATGy1ARAXFSDwt8GFXM",  
      "slot": 114,  
      "err": null,  
      "memo": null,  
      "blockTime": null,  
      "confirmationStatus": "finalized"  
    }  
  ]  
}
```

Successfully retrieved signatures for the specified address.

getSlot

Returns the slot that has reached the given or default commitment level

getSlot

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getSlot`

Options: `getSlot`

`params` object[]

+ Show child attributes

Responses

> `200` Successfully retrieved the current slot.

> `400` Invalid request.

> `401` Unauthorized, invalid API key.

> `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getSlot",
  "params": [
    {
      "commitment": "finalized"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the current slot.

getSlotLeader

Returns the current slot leader

getSlotLeader

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getSlotLeader`

Options: `getSlotLeader`

`params` object[]

+ Show child attributes

Responses

- `200` Successfully retrieved the slot leader.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getSlotLeader",
  "params": [
    {
      "commitment": "finalized"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the slot leader.

getSlotLeaders

Returns the slot leaders for a given slot range

getSlotLeaders

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getSlotLeaders`

Options: `getSlotLeaders`

`params` one of[]

+ Show available items

Responses

› `200` Successfully retrieved slot leaders.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getSlotLeaders",
  "params": [
    100,
    10
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved slot leaders.

getStakeMinimumDelegation

Returns the stake minimum delegation, in lamports.

getStakeMinimumDelegation

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getStakeMinimumDelegation`

Options: `getStakeMinimumDelegation`

`params` object[]

+ Show child attributes

Responses

› `200` Successfully retrieved the stake minimum delegation.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getStakeMinimumDelegation",
  "params": [
    {
      "commitment": "finalized"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the stake minimum delegation.

getSupply

Returns information about the current supply.

getSupply

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getSupply`

Options: `getSupply`

`params` object[]

+ Show child attributes

Responses

➤ `200` Successfully retrieved the supply information.

➤ `400` Invalid request.

➤ `401` Unauthorized, invalid API key.

➤ `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getSupply",
  "params": [
    {
      "commitment": "finalized",
      "excludeNonCirculatingAccountsList": true
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the supply information.

getTokenAccountBalance

Returns the token balance of an SPL Token account.

getTokenAccountBalance

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getTokenAccountBalance`

Options: `getTokenAccountBalance`

`params` one of[]

+ Show available items

Responses

› `200` Successfully retrieved the token account balance.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getTokenAccountBalance",
  "params": [
    "7fUAJdStEuGbc3sM84cKRL6yYaaSstyLSU4ve5oovLS7"
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the token account balance.

getTokenAccountsByDelegate

Returns all SPL Token accounts by approved Delegate.

getTokenAccountsByDelegate

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getTokenAccountsByDelegate`

Options: `getTokenAccountsByDelegate`

`params` one of[]

+ Show available items

Responses

> 200 Successfully retrieved token accounts by delegate.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getTokenAccountsByDelegate",
  "params": [
    "4Nd1mBQtrMJVYVfKf2PJy9NZUZdTAsp7D4xWLs4gDB4T",
    {
      "programId": "TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA"
    },
    {
      "encoding": "jsonParsed"
    }
  ]
}'
```

200

example application/json

No body

Successfully retrieved token accounts by delegate.

getTokenAccountsByOwner

Returns all SPL Token accounts by token owner.

getTokenAccountsByOwner

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getTokenAccountsByOwner`

Options: `getTokenAccountsByOwner`

`params` one of[]

+ Show available items

Responses

› `200` Successfully retrieved token accounts by owner.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getTokenAccountsByOwner",
  "params": [
    "A1TMhSGzQxMr1TboBKtgixKz1sS6REASMxPo1qsyTSJd",
    {
      "programId": "TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA"
    },
    {
      "encoding": "jsonParsed"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved token accounts by owner.

getTokenLargestAccounts

Returns the 20 largest accounts of a particular SPL Token type.

getTokenLargestAccounts

POST /?api-key=<api-key>

▶ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getTokenLargestAccounts`

Options: `getTokenLargestAccounts`

`params` one of[]

+ Show available items

Responses

› `200` Successfully retrieved the largest token accounts.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getTokenLargestAccounts",
  "params": [
    "3wyAj7Rt1TWVPZVteFJPLa26JmLvdb1CAKEFZm3NY75E"
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the largest token accounts.

getTokenSupply

Returns the total supply of an SPL Token type.

getTokenSupply

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getTokenSupply`

Options: `getTokenSupply`

`params` one of[]

+ Show available items

Responses

> `200` Successfully retrieved the token supply.

> `400` Invalid request.

> `401` Unauthorized, invalid API key.

> `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getTokenSupply",
  "params": [
    "3wyAj7Rt1TWVPZVteFJPLa26JmLvdB1CAKEFZm3NY75E"
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the token supply.

getTransaction

Returns transaction details for a confirmed transaction

getTransaction

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getTransaction`

Options: `getTransaction`

`params` one of[]

+ Show available items

Responses

➤ `200` Successfully retrieved the transaction details.

`400` Invalid request.

`401` Unauthorized, invalid API key.

`500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getTransaction",
  "params": [
    "2nBhEBYYvfaAe16UMNqRHre4YNSskvuYgx3M6E4JP1oDYvZEJHvoPzyUidNgNX5r9s
     "json"
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the transaction details.

getTransactionCount

Returns the current Transaction count from the ledger

getTransactionCount

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getTransactionCount`

Options: `getTransactionCount`

`params` object[]

Configuration options for the request.

+ Show child attributes

Responses

> `200` Successfully retrieved the transaction count.

> `400` Invalid request.

> `401` Unauthorized, invalid API key.

› 500 Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getTransactionCount",
  "params": [
    {
      "commitment": "finalized"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the transaction count.

getVersion

Returns the current Solana version running on the node

getVersion

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`params` array

No parameters required.

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getVersion`

Options: `getVersion`

Responses

- `200` Successfully retrieved the Solana version details.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
  --request POST \
  --url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
  --header 'Content-Type: application/json' \
  --data '{
    "jsonrpc": "2.0",
    "id": 1,
    "method": "getVersion"
  }'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the Solana version details.

getVoteAccounts

Returns the account info and associated stake for all the voting accounts in the current bank.

getVoteAccounts

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `getVoteAccounts`

Options: `getVoteAccounts`

`params` object[]

+ Show child attributes

Responses

> `200` Successfully retrieved vote accounts.

`400` Invalid request.

`401` Unauthorized, invalid API key.

500 Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "getVoteAccounts",
  "params": [
    {
      "votePubkey": "3ZT31jkAGhUaw8jsy4bTknwBMP8i4Eueh52By4zXcsVw"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved vote accounts.

isBlockhashValid

Returns whether a blockhash is still valid or not

isBlockhashValid

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `45`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `isBlockhashValid`

Options: `isBlockhashValid`

`params` one of[]

+ Show available items

Responses

› `200` Successfully evaluated blockhash validity.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 45,
  "method": "isBlockhashValid",
  "params": [
    "J7rBdM6AecPDEZp8aPq5iPSNKVkJU5Q76F3oAV4eW5wsW",
    {
      "commitment": "processed"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully evaluated blockhash validity.

minimumLedgerSlot

Returns the lowest slot that the node has information about in its ledger.

minimumLedgerSlot

POST /?api-key=<api-key>

▶ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`params` array

No parameters are required for this method.

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `minimumLedgerSlot`

Options: `minimumLedgerSlot`

Responses

- `200` Successfully retrieved the minimum ledger slot number.
- `400` Invalid request.
- `401` Unauthorized, invalid API key.
- `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
  --request POST \
  --url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
  --header 'Content-Type: application/json' \
  --data '{
    "jsonrpc": "2.0",
    "id": 1,
    "method": "minimumLedgerSlot"
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully retrieved the minimum ledger slot number.

requestAirdrop

Requests an airdrop of lamports to a Pubkey

requestAirdrop

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `requestAirdrop`

Options: `requestAirdrop`

`params` one of[]

+ Show available items

Responses

› `200` Successfully requested airdrop.

› `400` Invalid request.

› `401` Unauthorized, invalid API key.

› `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "requestAirdrop",
  "params": [
    "83astBRguLMdt2h5U1Tpdq5tjFoJ6noeGwaY3mDLVcri",
    10000000000
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully requested airdrop.

sendTransaction

Submits a signed transaction to the cluster for processing.

sendTransaction

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `sendTransaction`

Options: `sendTransaction`

`params` one of[]

+ Show available items

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "sendTransaction",
  "params": [
    "4hXTCkRzt9WyeCNzV1XPgCDFGAZZQKNxLXgynz5QDuWWPSAZBZSHptvWRL3BjCvzUX"
  ]
}'
```

simulateTransaction

Simulate sending a transaction

simulateTransaction

POST /?api-key=<api-key>

▷ Test it

Body

`id` string

A unique identifier for the request.

Example: `1`

`jsonrpc` string · enum

The JSON-RPC protocol version.

Example: `2.0`

Options: `2.0`

`method` string · enum

The name of the RPC method to invoke.

Example: `simulateTransaction`

Options: `simulateTransaction`

`params` one of[]

+ Show available items

Responses

➤ `200` Successfully simulated the transaction.

➤ `400` Invalid request.

➤ `401` Unauthorized, invalid API key.

➤ `500` Server error.

[cURL](#) [JavaScript](#) [Python](#) [HTTP](#)

```
curl -L \
--request POST \
--url 'https://mainnet.helius-rpc.com/?api-key=<api-key>' \
--header 'Content-Type: application/json' \
--data '{
  "jsonrpc": "2.0",
  "id": 1,
  "method": "simulateTransaction",
  "params": [
    "AQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    {
      "encoding": "base64"
    }
  ]
}'
```

[200](#) [400](#) [401](#) [500](#)

[example](#) [application/json](#)

No body

Successfully simulated the transaction.