Documentation

Authentication

After signing up and validating your email, you will be able to find your API Key in your dashboard.

To make a request, you will need to append an `api_key` query parameter to every request.

```
GET: https://api.getgeoapi.com/v2/ip/check?api_key={YOUR_API_KEY}
```

Formats

We currently support JSON and XML formats. To specify the format you need to attach the `format` parameter to the request as shown in the example below

```
GET: https://api.getgeoapi.com/v2/ip/check
?api_key={YOUR_API_KEY}
&format={FORMAT}
```

The `format` parameter can have the following options:

- json
- xml

Endpoints

Please remember to add your `api_key` to every request.

The endpoint below returns the geo data of your IP address. You can find more information about it in the Requester IP Lookup section.

```
GET: https://api.getgeoapi.com/v2/ip/check
```

The endpoint below returns the data of the requested IP address. You can find more information about it in the IPv4 / IPv6 Lookup section.

```
GET: https://api.getgeoapi.com/v2/ip/{ip}
```

IPv4 / IPv6 Lookup

IP Lookup returns geo location data of any provided IPv4 or IPv6 address.

Endpoint:

```
GET: https://api.getgeoapi.com/v2/ip/{IP}
```

Example request:

```
GET: https://api.getgeoapi.com/v2/ip/37.140.128.10
?api_key={YOUR_API_KEY}
&format=json&filter=city&language=en
```

Request parameters:

Parameter	Description
ip (required)	Any IPv4 or IPv6 address
api_key (required)	API Key that every registered user has and can be found in the Dashboard
format (optional)	The output format. It can be json or xml
filter (optional)	Filter the response and get only the required data. Options: asn, city, country, continent, area, currency, security, time, postcode. Can be comma separated.
language (optional)	Return data in one of the following languages: en,ru,zh,es,ar,fr,fa,ja,pl,it,pt,de

Go to the section IP Lookup Response to see the example of the response.

Requester IP Lookup

Requester IP Lookup returns geo data of the IP address which is calling the API.

Endpoint:

```
GET: https://api.getgeoapi.com/v2/ip/check
```

Example request:

```
GET: https://api.getgeoapi.com/v2/ip/check
?api_key={YOUR_API_KEY}
&format=json
```

Request parameters:

Parameter	Description
api_key (required)	API Key that every registered user has and can be found in the Dashboard
format (optional)	The output format. It can be json or xml

Parameter	Description
filter (optional)	Filter the response and get only the required data. Options: asn, city, country, continent, area, currency, security, time, postcode. Can be comma separated.
language (optional)	Return data in one of the following languages: en,ru,zh,es,ar,fr,fa,ja,pl,it,pt,de

IP Lookup Response

The example of the response for the IP `37.140.128.10`

json xml

```
{
    "status": "success",
    "ip":"37.140.128.10",
    "type":"IPv4",
    "city":{
        "geonameid":524901,
        "name":"Moscow",
        "population":10381222
    },
    "area":{
        "code":"RU-MOW",
        "geonameid":524894,
        "name":"Moscow"
    },
    "country":{
        "code":"RU",
        "name":"Russia",
        "phone_code":"7",
        "area_size":"17100000.00 sq. km",
        "capital":"Moscow",
        "population":140702000,
        "geonameid":2017370,
        "is_in_eu":false,
        "flag":{
          "emoji":"🇷🇺",
          "file":"http://commons.wikimedia.org/wiki/Special:FilePath/Flag_of_Russia.svg",
          "unicode":"U+1F1F7 U+1F1FA"
        }
        "languages": {
          "ru": "Russian",
    },
    "time":{
        "timezone":"Europe/Moscow",
        "code":"MSK",
        "gmt_offset": 10800,
        "is_daylight_saving":false
    },
    "asn":{
        "organisation":"YANDEX LLC",
        "number":13238
    },
    "currency":{
        "code":"RUB",
        "name":"Russian Ruble"
    },
    "location":{
        "latitude":55.7522,
        "longitude":37.6156
    },
    "security":{
        "is_tor":false,
        "is_proxy":false,
        "is_threat":false,
        "is_crawler":false
    },
    "continent":{
        "geonameid":6255148,
        "code":"EU",
        "name":"Europe"
    },
```

```
    "postcode":"102087"
}
```

Response object:

Property	Description
status	The status of the request. Can be 'success' or 'fail'
ip	The requested IP address
type	The type of the requested IP address. Can be IPv4 or IPv6
city -> name	The name of the city of the requested IP address or empty value.
city -> geonameid	The id of the record in the geonames database.
city -> population	The population of the city of the requested IP address or empty value.
area -> code	The region or area code of the requested IP address or empty value.
area -> geonameid	The id of the record in the geonames database.
area -> name	The region or area name of the requested IP address or empty value.
country -> code	The country code of the requested IP address or empty value.
country -> geonameid	The id of the record in the geonames database.
country -> name	The country name of the requested IP address or empty value.
country -> phone_code	The country phone number prefix of the requested IP address or empty value.
country -> area_size	The country size in sq. km. of the requested IP address or empty value.
country -> capital	The country capital of the requested IP address or empty value.
country -> population	The country population of the requested IP address or empty value.
country -> is_in_eu	True if the country of the requested IP is in Euro Union .
country -> flag -> emoji	The emoji of the country flag .
country -> flag -> file	The url of the file of the country flag in wikipedia.

Property	Description
country -> flag -> unicode	The unicode of the country flag.
country -> languages	A list of languages spoken in the country.
time -> timezone	The timezone of the requested IP address or empty value.
time -> is_daylight_saving	Is it a daylight saving time.
time -> gmt_offset	The GMT offset in seconds
time -> code	Abbreviation of the timezone
asn -> organisation	The company name of the requested IP address or empty value.
asn -> number	The Autonomous System Number of the requested IP address or empty value.
currency -> code	The local currency code of the requested IP address or empty value.
currency -> name	The local currency name of the requested IP address or empty value.
location -> latitude	The latitude of the requested IP address or empty value.
location -> longitude	The longitude of the requested IP address or empty value.
security -> is_tor	True if the requested IP address is tor.
security -> is_proxy	True if the requested IP address is proxy.
security -> is_threat	True if the requested IP address is known to be a threat.
security -> is_crawler	True if the requested IP address is crawler.
continent -> code	The continent code of the requested IP address or empty value.
continent -> geonameid	The id of the record in the geonames database.
continent -> name	The continent code of the requested IP address or empty value.
postcode	The postal code of the requested IP address or empty value.

Errors

In case the request fails or the resource is not available an error will be returned in JSON or XML format.

Error response example:

json xml

```
{
    "status":"failed",
    "error":{
        "message":"Invalid key.",
        "code":"403"
    }
}
```

Error codes:

Code	Description
400	Bad request.
403	• Authentication credentials were not provided. • Invalid key. • You reached the limit of your requests. • User is not active. Please use the link in the email to activate the user.
404	Resource is not found or requested format is incorrect
405	Method is not allowed.
500	Server error. We hope you will never see this error.

Code Examples

PHP example:

```php
<?php

$key = "{YOUR_API_KEY}";

$url = "https://api.getgeoapi.com/v2/ip/check?api_key=".$key."&format=json";

$curl = curl_init($url);
curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);

$response = curl_exec($curl);
curl_close($curl);

$json = json_decode($response, true);

print_r($json);

?>
```

Python example:

```python
import requests

key = "{YOUR_API_KEY}"

parameters = {"api_key": key, "format": "json"}

url = "https://api.getgeoapi.com/v2/ip/check

response = requests.get(url, parameters)

print(response.json())
```

JavaScript ES6 example:

```javascript
const key = "{YOUR_API_KEY}";

const url =  `https://api.getgeoapi.com/v2/ip/check?api_key=${key}&format=json`

fetch(url)
  .then(response => response.json())
  .then(data => console.log(data));
```

JavaScript/jQuery example:

```javascript
var key = "{YOUR_API_KEY}";

var url =  "https://api.getgeoapi.com/v2/ip/check?api_key=" + key + "&format=json"

$.getJSON(url, function (data) {
    console.log(data);
});
```

Curl example:

```
curl --request GET \
--url 'https://api.getgeoapi.com/v2/ip/check?api_key={YOUR_API_KEY}'
```

IP GEO API

Get location by IP address

CURRENCY API

Get currency exhange rates