



Domain: SIMinfo
Product: IPAddressAPN
Version: v1
Access: Pre-Commercial/Commercial



api@orange.com

API allows you to check private APN with static IP addresses for MSISDN.

API details

Authorization	oAuth 2.0 (credentials) or APIKey
oAuth 2.0 documentation	https://{host}/oauth/v2/doc.json https://{host}/oauth/v2/doc.pdf
HTTP Method	GET
URI request for IPAddressAPN	https://{host}/SIMinfo/v1/IPAddressAPN?msisdn=...&apikey=... where: For commercial access host is apib2b.orange.pl For pre-commercial access host is apib2b-test.orange.pl
URI request for documentation	<u>swagger 2.0 format:</u> https://{host}/SIMinfo/v1/IPAddressAPN/doc.json <u>pdf format:</u> https://{host}/SIMinfo/v1/IPAddressAPN/doc.pdf
URI request to check the limit	APIKey authorization: https://{host}/SIMinfo/v1/IPAddressAPN/limit?apikey=... oAuth authorization: https://{host}/SIMinfo/v1/IPAddressAPN/limit



API Request Parameters

The request parameters for IPAddressAPN operation are following:

Parameter	Description	Type
msisdn	The number of SIM card, 11 digits long MSISDN in international format, i.e. MSISDN=48510123456.	Integer
apikey	Authentication key. A string of characters used to authenticate and authorize the client to invoke APIs. Each client has to receive his own, unique key from Orange.	String

API Response Body

The response body for this operation is represented by the following JSON data structure, where the value part of each name/value pair indicates its data type:

Parameter	Description	Type
result	Result of API Request ie. OK, NOT_FOUND.	String
msisdn	The number of SIM card, which has been requested.	String
apnip	An array of available APNs. Each array entry is an object containing a name and ip.	Array
name	Name of private APN	String
ip	Static IP address in a private APN.	String

Response Body for checking limit of IPAddressAPN API

Parameter	Description	Type
used	Number of utilized API requests.	String
available	Number of remaining API Request in defined time.	String
date	Date of reset counter of API usage.	String

HTTP Errors

The Headers of error response are standard HTTP Status Codes:

400 Bad Request
401 Unauthorized
403 Forbidden
404 Not found
405 Validation Exception
500 Internal Server Error
503 Service Unavailable

Error Body

The body of **failed** response contains the error code with details of error:

Parameter	Description	Type
code	Error code.	Integer
message	Main reason of error.	String
description	Details of error.	String

List of error codes

HTTP 400:

Codes:

30 - Missing parameters - parameter MSISDN is required.

31 - Wrong parameter format - parameter MSISDN consists of 11 digits:
CountryCode + 9 digits.

32 - Wrong parameter format - parameter MSISDN should be Polish number,
beginning with Country Code = "48".

HTTP 401:

Codes:

40 - Missing credentials - The requested service needs credentials, but none were provided.

41 - Invalid credentials - The requested service needs credentials, but the ones provided were invalid.

HTTP 403:

Codes:

50 - Access denied - the application that makes the request is not authorized to access this endpoint.

51 - No permission for this number - MSISDN not defined on the list of allowed numbers.

53 - Too many requests - the application has made too many calls and has exceeded the rate of limit for this service.

HTTP 404:

Codes:

60 - Resource not found - the requested resource does not exist.

HTTP 405:

Codes:

61 - Method not allowed - the URI does not support the requested method.



Examples

Example 1: IPAddressAPN Request – Authorization APIKey

<https://apib2b.orange.pl/SIMinfo/v1/IPAddressAPN?msisdn=48510123456&apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

Example 2: IPAddressAPN Request - Authorization OAuth 2.0

Request Header:

Authorization: Bearer
dFRHUE1zcERlR3BkR1E4UExDeWZkU0Qxano1e1FkWmI6N2xkRzh5YnJ4S
mxUSHpNbQ==

Request:

<https://apib2b.orange.pl/SIMinfo/v1/IPAddressAPN?msisdn=48510123456>

Example 3: IPAddressAPN Response – Orange number

Response Header:

Status Code: 200 OK

Response Body:

```
{
  "response": {
    "result": "OK",
    "msisdn": "48510123456",
    "apnip": [
      {
        "name": "orange1.pl",
        "ip": "10.10.10.1"
      },
      {
        "name": "orange2.pl",
        "ip": "10.10.10.2"
      }
    ]
  }
}
```

Example 4: IPAddressAPN – Wrong apikey

Response Header:

Status Code: 401 Unauthorized

Response Body:

```
{"code":41,"message":"Invalid
credentials","description":"The requested service needs
credentials, but the ones provided were invalid."}
```

Example 5: IPAddressAPN – Lack of apikey

Response Header:

Status Code: 401 Unauthorized

Response Body:

```
{"code":40,"message":"Missing
credentials","description":"The requested service needs
credentials, but none were provided."}
```

Example 6: IPAddressAPN – Limit is reached

Response Header:

Status Code: 403 Forbidden

Response Body:

```
{"code":53,"message":"Too many
requests","description":"The application has made too
many calls and has exceeded the rate limit for this
service."}
```

Example 7: IPAddressAPN – Request for documentation in json format

<https://apib2b.orange.pl/SIMinfo/v1/IPAddressAPN/doc.json>

Example 8: IPAddressAPN – Request for documentation in pdf format

<https://apib2b.orange.pl/SIMinfo/v1/IPAddressAPN/doc.pdf>

Example 9: IPAddressAPN – Request to check the limit - Authorization APIKey

<https://apib2b.orange.pl/SIMinfo/v1/IPAddressAPN/limit?apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>



Example 10: IPAddressAPN – Request to check the limit – Authorization oAuth 2.0

Request Header:

Authorization: Bearer
dFRHUE1zcERlR3BkR1E4UEXDeWZkU0Qxano1e1FkWmI6N2xkRzh5YnJ4S
mxUSHpNbQ==

Request:

<https://apib2b.orange.pl/SIMinfo/v1/IPAddressAPN/limit>

Example 11: IPAddressAPN – Check the limit -Response

```
{"used": "45", "available": "55", "date": "Tue Jun 28 2016"}
```