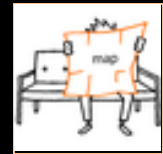**orange™**

Domain: data
Product: simSwap
Version: v1
Access: Commercial

api@orange.com

Check if any SIM card for the given MSISDN number was swapped within the specified time

API details

Authorization	oAuth 2.0
oAuth 2.0 documentation	https://{host}/oauth/v2/doc.json https://{host}/oauth/v2/doc.pdf
HTTP Method	GET
URI request for SimSwap	https://{host}/data/v1/simSwap?msisdn=...&consentCollected=...&customerName=...& minutesNumber =... where: For commercial access **host** is apib2b.orange.pl
URI request for documentation	swagger 2.0 format: https://{host}/data/v1/simSwap/doc.json pdf format: https://{host}/data/v1/simSwap/doc.pdf
URI request to check the limit	https://{host}/data/v1/simSwap/limit
Remarks	The API is fully functional only for subscribers registered in Polish Orange network.

API Request Parameters

The request parameters for sim swap operation are following:

Parameter	Description	Type
msisdn	The number of SIM card, 11 digits long MSISDN in international format, i.e. MSISDN=48510123456.	String
consentCollected	Information whether consent has been given by the customer to whom belongs the msisdn number from the request. Possible values: true/false	String
customerName	Name of customer	String
minutesNumber	Number of minutes during which the SIM card was swapped	String

data - simSwap

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
msisdn	The number of SIM card, which has been requested.	String
simSwap	Information whether the card has been replaced or not. Possible response values are true/false.	boolean
imsi	The IMSI number of the MSISDN number sent in the API call	String
data	SIM card replacement date	String
multisim	An array of objects containing data about additional SIM cards. If no additional SIM card was issued for the SIM card from the API call, the table will be empty.	Array
imsi	IMSI number of the additional SIM card	String
data	Activation date of the additional SIM card	String

Response Body for checking limit of SimSwap API

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

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, consentCollected or customerName 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".
33 - Invalid query-string parameter value - Parameter consentCollected takes values: true or false.

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 - Forbidden requester - No customer consent.

52 - Forbidden requester - Parameter customerName is out of range

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: SimSwap Request

Request Header:
Authorization: Bearer
dFRHUE1zcERlR3BkR1E4UExDeWZkU0Qxano1elFkWmI6N2xkRzh5YnJ4S
mxUSHpNbQ==

Request:
https://apib2b.orange.pl/data/v1/simSwap?msisdn=487971000
60&consentCollected=true&customerName=test&minutesNumber=
45

Example 2: SimSwap Response Body

Response Header:
Status Code: 200 OK

Response Body:
```
{
    "msisdn": "48797100060",
    "imsi": "260032797100060",
    "data": "20240419121355;SWAP",
    "multisim": [
        {
            "imsi": "260032797100061",
            "data": "20220811112856;ACT"
        },
        {
            "imsi": "260032797100062",
            "data": "20220811112856;ACT"
        },
        {
            "imsi": "260032797100063",
            "data": "20220811112856;ACT"
        },
        {
            "imsi": "260032797100064",
            "data": "20220811112856;ACT"
        },
        {
            "imsi": "260032797100065",
            "data": "20220811112856;ACT"
```

```
        },
        {
                "imsi": "260032797100066",
                "data": "20220811112856;ACT"
        },
        {
                "imsi": "260032797100067",
                "data": "20220811112856;ACT"
        },
        {
                "imsi": "260032797100068",
                "data": "20220811112856;ACT"
        },
        {
                "imsi": "260032797100069",
                "data": "20220811112856;ACT"
        }
    ],
    "simSwap": true
}
```

Example 3: SimSwap – Wrong authorization

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 4: SimSwap – Lack of authorization

Response Header:
Status Code: 401 Unauthorized

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

Example 5: SimSwap – 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 6: SimSwap – Request for documentation in json format

https://apib2b.orange.pl/data/v1/simSwap/doc.json

Example 7: SimSwap – Request for documentation in pdf format

https://apib2b.orange.pl/data/v1/simSwap/doc.pdf

Example 8: SimSwap – Request to check the limit

Request Header:
Authorization: Bearer
dFRHUE1zcERlR3BkR1E4UExDeWZkU0Qxano1elFkWmI6N2xkRzh5YnJ4S
mxUSHpNbQ==

Request:
https://apib2b.orange.pl/data/v1/simSwap/limit

Example 9: SimSwap – check the limit –Response

{"used":"6","available":"94","date":"Thu Jun 27 2024"}