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# Getting started

## Introduction

*This page will help you get started with SMS API. You'll be up and running in a jiffy!*

### **Welcome to SMS API documentation!**

This document will provide instructions on how to quickly integrate SMS messaging services into various solutions by using HTTP application programming interface (HTTP API). The HTTP API can be used for sending SMS messages, collecting delivery reports, making Number Context (number validation) requests and receiving inbound SMS messages sent from mobile phones.

API is based on REST standards, enabling you to use your browser for accessing URLs. In order to interact with our API, any HTTP client in any programming language can be used.

## Base URL

Submit all requests to the base URL. All the requests are submitted thorough HTTP `POST` or `GET` method.

**Base URL:** `http://107.20.199.106`

## Content-Type & Accept header

SMS API supports `JSON` and `XML` Content-Types and Accept criteria that should be specified in the header. If the Content-Type is not specified you will receive a General error. Depending which Accept type is chosen in the deader for the request, the same one will be applied in the response.

**Content-Type:** `application/json` or `application/xml`.

**Accept header:** `application/json` or `application/xml`.

# Authorization

We support basic authorization using a username and password with Base64 encoding variation [RFC2045-MIME](#).

The authorization header is constructed as follows:

1. Username and password are combined into a string `username:password` .
2. The resulting string is encoded using the [RFC2045-MIME](#) variant of Base64.
3. The authorization method and a space, like this: `"Basic "` , are put before the encoded string.

Example:

Username: `Aladdin`

Password: `open sesame`

Base64 encoded string: `QWxhZGRpbjpvcGVuIHNlc2FtZQ==`

Authorization header: `Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==`

## Send SMS

*Send your first SMS using API!*

In a few simple steps, we will explain how to send an SMS using HTTP API.

Your username and password has to be encoded in `base64` like this:

- Combine the username and password into a string `username:password` .
- Encode the resulting string using [Base64 encoder](#).

**Example:**

Username: `Aladdin`

Password: `open sesame`

String: `Alladin:open sesame`

Base64 encoded string: `QWxhZGRpbjpvcGVuIHNlc2FtZQ==`

The message will be sent only to a valid phone number (numbers), written in **international format** e.g. 41793026727 .

### Phone numbers format

We strongly recommend using the [E.164 number formatting](#). E.164 numbers are internationally standardized to a fifteen digit maximum length. Phone numbers are usually prefixed with + (plus sign), followed by a *country code*, *network code* and the *subscriber number*. Phone numbers that are not E.164 formatted may work, depending on the handset or network.

Now, you are ready to create a HTTP POST request to `http://107.20.199.106/restapi/sms/1/text/single`

Your **Header** should contain *authorization* and *content type*:

- Authorization: Basic QWxhZGRpbjpvGVuIHNlc2FtZQ==
- Content-Type: application/json

**Request body** contains the message you wish to send with `from`, `to` and `text` parameters.

Full **JSON request** is shown below:

```
POST /restapi/sms/1/text/single HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNlc2FtZQ==
Content-Type: application/json
Accept: application/json

{
  "from": "InfoSMS",
  "to": "41793026727",
  "text": "My first SMS"
}
```

That's it! You should receive an SMS in a few moments.

## Send SMS response

*Handle SMS API response.*

After the “Send SMS” HTTP request was submitted to the SMS API, you will get a response containing some useful information. If everything went well, it should provide an **200 OK** response with message details in the response body.

Here is an example of a request for sending a single SMS:

```
POST /restapi/sms/1/text/single HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvVG9uIHNLc2FtZQ==
Content-Type: application/json
Accept: application/json

{
  "from": "InfoSMS",
  "to": "41793026727",
  "text": "My first SMS"
}
```

And the appropriate response is shown below:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "messages": [
    {
      "to": "41793026727",
      "status": {
        "id": 0,
        "groupId": 0,
        "groupName": "ACCEPTED",
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      },
      "smsCount": 1,
      "messageId": "2250be2d4219-3af1-78856-aabe-1362af1edfd2"
    }
  ]
}
```

- **messages** is an array of all SMS messages that were sent in the last request. In our case, it contains only one message
- **to** is a phone number which you have sent the SMS message to

- Each message successfully submitted to the platform is uniquely identified with the **messageId**. Furthermore, the Message ID can be used for checking [Delivery status](#) or [Sent messages logs](#)
- **smsCount** is the number of parts the message was split into
- **status** is the object that further describes the state of sent message. For a full list of available statuses, visit this [link](#)

## Getting delivery reports

*Check if your messages were successfully delivered.*

After you have sent a couple of messages, you are able to check if they were successfully delivered by making this request:

```
GET http://107.20.199.106/restapi/sms/1/reports
```

Available **query parameters** are:

- **bulkId**: The ID uniquely identifies the sent SMS request. This filter will enable you to receive delivery reports for all the messages using just one request.
- **messageId**: The ID that uniquely identifies the message sent.
- **limit**: The maximum number of delivery reports you want to get.

As a response, you will get a collection of unread delivery reports.

### Important:

Delivery reports can only be retrieved one time. Once you retrieve a delivery report, you will not be able to get the same report again by using this endpoint.

Here is the JSON request example for **getting reports without any query parameter**:

```
GET /restapi/sms/1/reports HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcmVudHJlc2FtZQ==
Accept: application/json
```

Below you can see the response to delivery reports request:

```
HTTP/1.1 200 OK
```

Content-Type: `application/json`

```
{
  "results":[
    {
      "bulkId":"80664c0c-e1ca-414d-806a-5caf146463df",
      "messageId":"bcfb828b-7df9-4e7b-8715-f34f5c61271a",
      "to":"38598111",
      "sentAt":"2015-02-12T09:51:43.123+0100",
      "doneAt":"2015-02-12T09:51:43.127+0100",
      "smsCount":1,
      "price":{
        "pricePerMessage":0.01,
        "currency":"EUR"
      },
      "status":{
        "groupId":3,
        "groupName":"DELIVERED",
        "id":5,
        "name":"DELIVERED_TO_HANDSET",
        "description":"Message delivered to handset"
      },
      "error":{
        "groupId":0,
        "groupName":"OK",
        "id":0,
        "name":"NO_ERROR",
        "description":"No Error",
        "permanent":false
      }
    },
    {
      "bulkId":"08fe4407-c48f-4d4b-a2f4-9ff583c985b8",
      "messageId":"12db39c3-7822-4e72-a3ec-c87442c0ffc5",
      "to":"385981112",
      "sentAt":"2015-02-12T09:50:22.221+0100",
      "doneAt":"2015-02-12T09:50:22.232+0100",
      "smsCount":1,
      "price":{
        "pricePerMessage":0.01,
        "currency":"EUR"
      },
      "status":{
        "groupId":3,
        "groupName":"DELIVERED",
        "id":5,
```



```

        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
    },
    "error": {
        "groupId": 0,
        "groupName": "OK",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
    }
}
]
}

```

In a response, you will receive an array of `results` which contain:

- `to` represents the recipient's phone number. This way you can connect a delivery report to a phone number.
- `bulkId` and `messageId` ], the ids that uniquely identify the request and the messages sent.
- `sentAt` and `doneAt`
- `smsCount` represents number of messages
- `price` object with `pricePerMessage` and `currency` parameters
- `status` and `error` objects

#### Note:

If you try making this same request again, you will get an empty set because all delivery reports were read:

**HTTP/1.1 200 OK**

Content-Type: `application/json`

```

{
  "results": []
}

```

If you send a mass number of messages but you are only interested in seeing the delivery report for only one, just set a query parameter in the request.

Append `?messageId=ff4804ef-6ab6-4abd-984d-ab3b1387e852` on the request url, and you will get delivery report only for that message.

Besides the **messageId**, you can use **bulkId** or simply set the **limit** on the number of reports you wish to retrieve. Here is the JSON request example for getting the reports with query parameter:

```
GET /restapi/sms/1/reports?messageId=ff4804ef-6ab6-4abd-984d-ab3b1387e852 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==
Accept: application/json
```

The following JSON will be given as a response:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "results": [
    {
      "bulkId": "8c20f086-d82b-48cc-b2b3-3ca5f7aca9fb",
      "messageId": "ff4804ef-6ab6-4abd-984d-ab3b1387e852",
      "to": "385981178",
      "sentAt": "2015-02-12T09:58:20.323+0100",
      "doneAt": "2015-02-12T09:58:20.337+0100",
      "smsCount": 1,
      "price": {
        "pricePerMessage": 0.01,
        "currency": "EUR"
      },
      "status": {
        "id": 5,
        "groupId": 3,
        "groupName": "DELIVERED",
        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
      },
      "error": {
        "groupId": 0,
        "groupName": "OK",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
      }
    }
  ]
}
```

```
}
```

As you can see, that message was successfully delivered without any error.

The opposite to one time delivery reports are **logs** which can be used to see the history for all the messages that you have sent. In the next step of this tutorial, we are going to show you how to get logs using our API.

Additionally, you are able to setup an end-point on your callback server so you can receive a [Delivery reports on Notify URL](#).

## Getting SMS logs

*Your sent SMS message history.*

Logs with sent SMS message history can be requested for all messages by using a single request: `GET http://107.20.199.106/restapi/sms/1/logs`.

Unlike delivery reports, these logs can be requested as many times as you want.

Let's see what happens when you request all of your logs, without any query parameter:

```
GET /restapi/sms/1/logs HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcmGVuIHNLc2FtZQ==
Accept: application/json
```

As a response, you will get the following result:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "results": [
    {
      "bulkId": "bafdeb3d-719b-4cce-8762-54d47b40f3c5",
      "messageId": "07e03aae-fabc-44ad-b1ce-222e14094d70",
      "to": "41793026727",
      "from": "InfoSMS",
      "text": "Test SMS.",
      "sentAt": "2015-02-23T17:41:11.833+0100",
```

```
"doneAt":"2015-02-23T17:41:11.843+0100",
"smsCount":1,
"mccmnc":"22801",
"price":{
  "pricePerMessage":0.01,
  "currency":"EUR"
},
"status":{
  "groupId":3,
  "groupName":"DELIVERED",
  "id":5,
  "name":"DELIVERED_TO_HANDSET",
  "description":"Message delivered to handset"
},
"error":{
  "groupId":0,
  "groupName":"OK",
  "id":0,
  "name":"NO_ERROR",
  "description":"No Error",
  "permanent":false
}
},
{
  "bulkId":"06479ba3-5977-47f6-9346-fee0369bc76b",
  "messageId":"1f21d8d7-f306-4f53-9f6e-eddfce9849ea",
  "to":"41793026727",
  "from":"InfoSMS",
  "text":"Test SMS.",
  "sentAt":"2015-02-23T17:40:31.773+0100",
  "doneAt":"2015-02-23T17:40:31.787+0100",
  "smsCount":1,
  "mccmnc":"22801",
  "price":{
    "pricePerMessage":0.01,
    "currency":"EUR"
  },
  "status":{
    "groupId":3,
    "groupName":"DELIVERED",
    "id":5,
    "name":"DELIVERED_TO_HANDSET",
    "description":"Message delivered to handset"
  },
  "error":{
    "groupId":0,
```

```

        "groupName": "OK",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
    }
}
]
}

```

Logs carry similar information as delivery reports, with some added fields. If you need detailed information regarding these response fields, check out this [page](#).

### Important:

**SMS logs are available for the last 48 hours!**

Since this logs example was for all the messages you have sent over the platform for the last **48 hours**, you might need some filters to search through them. The filters you can use are:

| Parameter            | Type     | Description                                  |
|----------------------|----------|--|
| <i>from</i>          | String   | Sender address.                              |
| <i>to</i>            | String   | Destination address.                         |
| <i>bulkId</i>        | String[] | Bulk ID for which logs are requested.        |
| <i>messageId</i>     | String[] | Message ID for which logs are requested.     |
| <i>generalStatus</i> | String   | Sent SMS status.                             |
| <i>sentSince</i>     | Date     | Lower limit on date and time of sending SMS. |
| <i>sentUntil</i>     | Date     | Upper limit on date and time of sending SMS. |
| <i>limit</i>         | int      | Max number of messages in returned logs.     |
| <i>mcc</i>           | String   | Mobile country code.                         |
| <i>mnc</i>           | String   | Mobile network code.                         |

Now, let's try getting **logs with “from”, “to” and “limit” as filters**:

```
GET /restapi/sms/1/logs?from=InfoSMS&to=41793026727&limit=1 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvVG9uIHNLc2FtZQ==
Accept: application/json
```

The response will be:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "results":[
    {
      "bulkId":"82d1d36e-e4fb-4194-8b93-caeb053bd327",
      "messageId":"fc0cbfb8-7a72-40da-a76d-e2c2d9400835",
      "to":"41793026727",
      "from":"InfoSMS",
      "text":"Test SMS.",
      "sentAt":"2015-02-23T17:42:05.390+0100",
      "doneAt":"2015-02-23T17:42:05.390+0100",
      "smsCount":1,
      "mccmnc":"22801",
      "price":{
        "pricePerMessage":0,
        "currency":"EUR"
      },
      "status":{
        "groupId":5,
        "groupName":"REJECTED",
        "id":6,
        "name":"REJECTED_NETWORK",
        "description":"Network is forbidden",
        "action":"Contact account manager"
      },
      "error":{
        "groupId":0,
        "groupName":"OK",
        "id":0,
        "name":"NO_ERROR",
        "description":"No Error",
        "permanent":false
      }
    }
  ]
}
```

```
}
```

# Number Context

*The API which ensures mobile number validity!*

Number Context helps you keep your mobile numbers database up to date.

Mobile subscribers often change numbers, go into roaming and change providers while retaining their original phone number. Knowing which mobile numbers are in use and available, or which network your client is currently using can greatly improve accuracy and cost effectiveness for many types of businesses.

With Number Context, you can determine:

- which numbers are currently active
- is the mobile number in roaming
- is the mobile number ported
- the optimal route for messages and voice
- the type of number (e.g. land-line, machine-to-machine, mobile etc.)

The following example shows how you can get Number Context information using our API:

```
POST /restapi/number/1/query HTTP/1.1  
Host: 107.20.199.106  
Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQ=  
Content-Type: application/json  
Accept: application/json
```

```
{  
  "to": ["41793026727"]  
}
```

The `to` parameter is a list of all the numbers you want to check.

Here is your result:

```
HTTP/1.1 200 OK  
Content-Type: application/json
```

```

{
  "ncResults":[
    {
      "to":"41793026727",
      "mccMnc":"22801",
      "imsi":"228012120181810",
      "originalNetwork":{
        "networkPrefix":"79",
        "countryPrefix":"41"
      },
      "ported":false,
      "roaming":false,
      "status":{
        "groupId":3,
        "groupName":"DELIVERED",
        "id":5,
        "name":"DELIVERED_TO_HANDSET",
        "description":"Message delivered to handset"
      },
      "error":{
        "groupId":0,
        "groupName":"OK",
        "id":0,
        "name":"NO_ERROR",
        "description":"No Error",
        "permanent":false
      }
    }
  ]
}

```

## Response codes

*SMS API statuses and GSM codes.*

Check the list of response codes for statuses and GSM errors which could be received.

### **Status object example:**

```

{

```



```
"groupId":3,  
"groupName":"DELIVERED",  
"id":5,  
"name":"DELIVERED_TO_HANDSET",  
"description":"Message delivered to handset"  
}
```

## Statuses groups

| GroupId | GroupName     | Description                   |
|---------|---------------|-------------------------------|
| 0       | ACCEPTED      | Message is accepted.          |
| 1       | PENDING       | Message is in pending status. |
| 2       | UNDELIVERABLE | Message is undeliverable.     |
| 3       | DELIVERED     | Message is delivered.         |
| 4       | EXPIRED       | Message is expired.           |
| 5       | REJECTED      | Message is rejected.          |

## Statuses

| Id | GroupId | Name                            | Description                               | Action |
|----|---------|---------------------------------|---|--------|
| 1  | 1       | PENDING_TIME_VIOLATION          | Time window violation                     | NULL   |
| 2  | 3       | DELIVERED_TO_OPERATOR           | Message delivered to operator             | NULL   |
| 3  | 1       | PENDING_WAITING_DELIVERY        | Message sent, waiting for delivery report | NULL   |
| 4  | 2       | UNDELIVERABLE_REJECTED_OPERATOR | Message rejected by operator              | NULL   |

|    |   |                                     |                               |   |
|----|---|-------------------------------------|-------------------------------|---|
| 5  | 3 | DELIVERED_TO_HANDSET                | Message delivered to handset  | NULL  |
| 6  | 5 | REJECTED_NETWORK                    | Network forbidden             | Contact account manager                           |
| 7  | 1 | PENDING_ENROUTE                     | Message sent to next instance | NULL  |
| 8  | 5 | REJECTED_PREFIX_MISSING             | Number prefix missing         | NULL  |
| 9  | 2 | UNDELIVERABLE_NOT_DELIVERED         | Message sent not delivered    | NULL  |
| 10 | 5 | REJECTED_DND                        | Destination on DND list       | NULL  |
| 11 | 5 | REJECTED_SOURCE                     | Invalid Source address        | NULL  |
| 12 | 5 | REJECTED_NOT_ENOUGH_CREDITS         | Not enough credits            | NULL  |
| 13 | 5 | REJECTED_SENDER                     | By Sender                     | Remove sender from blacklist                      |
| 14 | 5 | REJECTED_DESTINATION                | By Destination                | Remove destination from blacklist                 |
| 15 | 4 | EXPIRED_EXPIRED                     | Message expired               | NULL  |
| 16 | 5 | REJECTED_NOT_REACHABLE              | Network not reachable         | NULL  |
| 17 | 5 | REJECTED_PREPAID_PACKAGE_EXPIRED    | Prepaid package expired       | Top-Up your account to extend the validity period |
| 18 | 5 | REJECTED_DESTINATION_NOT_REGISTERED | Destination not registered    | NULL  |
| 19 | 5 | REJECTED_ROUTE_NOT_AVAILABLE        | Route not                     | Contact account                                   |

|    |   |                               | available                     | manager       |
|----|---|-------------------------------|-------------------------------|---------------|
| 20 | 5 | REJECTED_FLOODING_FILTER      | Rejected flooding             | STOP SPAMMING |
| 21 | 5 | REJECTED_SYSTEM_ERROR         | System error                  | NULL          |
| 22 | 4 | EXPIRED_UNKNOWN               | Unknown Reason                | NULL          |
| 23 | 5 | REJECTED_DUPLICATE_MESSAGE_ID | Rejected duplicate message ID | NULL          |
| 24 | 5 | REJECTED_INVALID_UDH          | Rejected invalid UDH          | NULL          |
| 25 | 5 | REJECTED_MESSAGE_TOO_LONG     | Rejected message too long     | NULL          |

#### Error object example:

```
{
  "groupId":0,
  "groupName":"OK",
  "id":0,
  "name":"NO_ERROR",
  "description":"No Error",
  "permanent":false
}
```

## Errors Groups

| GroupId | GroupName       | Description              |
|---------|-----------------|--------------------------|
| 0       | OK              | No error.                |
| 1       | HANDSET_ERRORS  | Handset error occurred.  |
| 2       | USER_ERRORS     | User error occurred.     |
| 3       | OPERATOR_ERRORS | Operator error occurred. |

# GSM Error Codes

| <b>Id</b> | <b>Short description</b>          | <b>Is permanent</b> |
|-----------|-----------------------------------|---------------------|
| 0         | NO_ERROR                          | NULL                |
| 1         | EC_UNKNOWN_SUBSCRIBER             | 1                   |
| 5         | EC_UNIDENTIFIED_SUBSCRIBER        | 0                   |
| 6         | EC_ABSENT_SUBSCRIBER_SM           | 0                   |
| 9         | EC_ILLEGAL_SUBSCRIBER             | 1                   |
| 10        | EC_BEARER_SERVICE_NOT_PROVISIONED | 0                   |
| 11        | EC_TELESERVICE_NOT_PROVISIONED    | 1                   |
| 12        | EC_ILLEGAL_EQUIPMENT              | 1                   |
| 13        | EC_CALL_BARRED                    | 0                   |
| 20        | EC_SS_INCOMPATIBILITY             | 0                   |
| 21        | EC_FACILITY_NOT_SUPPORTED         | 0                   |
| 27        | EC_ABSENT_SUBSCRIBER              | 0                   |
| 31        | EC_SUBSCRIBER_BUSY_FOR_MT_SMS     | 0                   |
| 32        | EC_SM_DELIVERY_FAILURE            | 0                   |
| 33        | EC_MESSAGE_WAITING_LIST_FULL      | 0                   |
| 34        | EC_SYSTEM_FAILURE                 | 0                   |
| 35        | EC_DATA_MISSING                   | 1                   |
| 36        | EC_UNEXPECTED_DATA_VALUE          | 1                   |
| 51        | EC_RESOURCE_LIMITATION            | 0                   |
| 71        | EC_UNKNOWN_ALPHABET               | 1                   |
| 72        | EC_USSD_BUSY                      | 1                   |

|      |  |   |
|------|--|---|
| 255  | EC_UNKNOWN_ERROR                             | 1 |
| 256  | EC_SM_DF_memoryCapacityExceeded              | 0 |
| 257  | EC_SM_DF_equipementProtocolError             | 0 |
| 258  | EC_SM_DF_equipementNotSM_Equipped            | 0 |
| 259  | EC_SM_DF_unknownServiceCentre                | 0 |
| 260  | EC_SM_DF_sc_Congestion                       | 0 |
| 261  | EC_SM_DF_invalidSME_Address                  | 0 |
| 262  | EC_SM_DF_subscriberNotSC_Subscriber          | 0 |
| 500  | EC_PROVIDER_GENERAL_ERROR                    | 0 |
| 502  | EC_NO_RESPONSE                               | 0 |
| 503  | EC_SERVICE_COMPLETION_FAILURE                | 0 |
| 504  | EC_UNEXPECTED_RESPONSE_FROM_PEER             | 0 |
| 507  | EC_MISTYPED_PARAMETER                        | 0 |
| 508  | EC_NOT_SUPPORTED_SERVICE                     | 0 |
| 509  | EC_DUPLICATED_INVOKE_ID                      | 0 |
| 511  | EC_INITIATING_RELEASE                        | 0 |
| 1024 | EC_OR_appContextNotSupported                 | 0 |
| 1025 | EC_OR_invalidDestinationReference            | 0 |
| 1026 | EC_OR_invalidOriginatingReference            | 0 |
| 1027 | EC_OR_encapsulatedAC_NotSupported            | 0 |
| 1028 | EC_OR_transportProtectionNotAdequate         | 0 |
| 1029 | EC_OR_noReasonGiven                          | 0 |
| 1030 | EC_OR_potentialVersionIncompatibility        | 0 |
| 1031 | EC_OR_remoteNodeNotReachable                 | 0 |
| 1152 | EC_NNR_noTranslationForAnAddressOfSuchNature | 0 |

|      |   |   |
|------|---|---|
| 1153 | EC_NNR_noTranslationForThisSpecificAddress    | 0 |
| 1154 | EC_NNR_subsystemCongestion                    | 0 |
| 1155 | EC_NNR_subsystemFailure                       | 0 |
| 1156 | EC_NNR_unequippedUser                         | 0 |
| 1157 | EC_NNR_MTPfailure                             | 0 |
| 1158 | EC_NNR_networkCongestion                      | 0 |
| 1159 | EC_NNR_unqualified                            | 0 |
| 1160 | EC_NNR_errorInMessageTransportXUDT            | 0 |
| 1161 | EC_NNR_errorInLocalProcessingXUDT             | 0 |
| 1162 | EC_NNR_destinationCannotPerformReassemblyXUDT | 0 |
| 1163 | EC_NNR_SCCPfailure                            | 0 |
| 1164 | EC_NNR_hopCounterViolation                    | 0 |
| 1165 | EC_NNR_segmentationNotSupported               | 0 |
| 1166 | EC_NNR_segmentationFailure                    | 0 |
| 1281 | EC_UA_userSpecificReason                      | 0 |
| 1282 | EC_UA_userResourceLimitation                  | 0 |
| 1283 | EC_UA_resourceUnavailable                     | 0 |
| 1284 | EC_UA_applicationProcedureCancellation        | 0 |
| 1536 | EC_PA_providerMalfunction                     | 0 |
| 1537 | EC_PA_supportingDialogOrTransactionReleased   | 0 |
| 1538 | EC_PA_resourceLimitation                      | 0 |
| 1539 | EC_PA_maintenanceActivity                     | 0 |
| 1540 | EC_PA_versionIncompatibility                  | 0 |
| 1541 | EC_PA_abnormalMapDialog                       | 0 |
| 1792 | EC_NC_abnormalEventDetectedByPeer             | 0 |

|      |                                      |   |
|------|--------------------------------------|---|
| 1793 | EC_NC_responseRejectedByPeer         | 0 |
| 1794 | EC_NC_abnormalEventReceivedFromPeer  | 0 |
| 1795 | EC_NC_messageCannotBeDeliveredToPeer | 0 |
| 1796 | EC_NC_providerOutOfInvoke            | 0 |
| 2048 | EC_TIME_OUT                          | 0 |
| 2049 | EC_IMSI_BLACKLISTED                  | 1 |
| 2050 | EC_DEST_ADDRESS_BLACKLISTED          | 1 |
| 2051 | EC_InvalidMscAddress                 | 0 |
| 4096 | EC_invalidPduFurmat                  | 1 |
| 4097 | EC_NotSubmittedToGMSC                | 1 |
| 4100 | EC_Cancelled                         | 1 |
| 4101 | EC_ValidityExpired                   | 1 |
| 4102 | EC_NotSubmittedToSmppChannel         | 0 |

# Send SMS

## Single textual message

*This method allows you to send a single textual message to one or more destination addresses.*

### Definition

`http://107.20.199.106/restapi/sms/1/text/single`

### Parameters

| Parameter   | Type     | Description   |
|-------------|----------|---|
| <i>from</i> | String   | Represents sender ID and it can be alphanumeric or numeric. <i>Alphanumeric</i> sender ID length should be between 3 and 11 characters (Example: <code>CompanyName</code> ). <i>Numeric</i> sender ID length should be between 3 and 14 characters.                       |
| <i>to</i>   | String[] | <b>Required.</b> Array of message destination addresses. If you want to send a <a href="#">message to one destination</a> , a single String is supported instead of an Array. Destination addresses must be in international format (Example: <code>41793026727</code> ). |
| <i>text</i> | String   | Text of the message that will be sent.  |

## Examples

### POST /restapi/sms/1/text/single HTTP/1.1

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvYGVuIHNLc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "from": "InfoSMS",
  "to": "41793026727",
  "text": "Test SMS."
}
```

### Result Format

```
{
  "messages": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 0,
        "groupName": "ACCEPTED",
        "id": 0,
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      }
    },
  ],
}
```



```
    "smsCount":1,  
    "messageId":"2250be2d4219-3af1-78856-aabe-1362af1edfd2"  
  }  
]  
}
```

## Response format

On success, response header HTTP status code will be `200 OK` and the message will be sent.

If you try to send message without authorization, you will receive an error `401 Unauthorized`.

### SMSResponse

| Parameter       | Type                                 | Description   |
|-----------------|--------------------------------------|---|
| <i>bulkId</i>   | String                               | The ID that uniquely identifies the request. Bulk ID will be received only when you send a message to <a href="#">more than one destination address</a> . |
| <i>messages</i> | <a href="#">SMSResponseDetails[]</a> | Array of sent message objects, one object per every message.  |

### SMSResponseDetails

| Parameter        | Type                   | Description  |
|------------------|------------------------|--|
| <i>to</i>        | String                 | The message destination address.   |
| <i>status</i>    | <a href="#">Status</a> | Indicates whether the message is successfully sent, not sent, delivered, not delivered, waiting for delivery or any other possible status. |
| <i>smsCount</i>  | int                    | The number of sent message segments.   |
| <i>messageId</i> | String                 | The ID that uniquely identifies the message sent.  |

### Status

| Parameter      | Type | Description      |
|----------------|------|------------------|
| <i>groupId</i> | int  | Status group ID. |

|                    |        |   |
|--------------------|--------|---|
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

### Long SMS:

Maximum length for one message is 160 characters for GSM7 standard or 70 characters Unicode encoded messages. If you send text which exceeds the maximum number of supported characters for one message, the sent message will be segmented and charged accordingly. One Long SMS that consists of two SMS counts as two SMS.

## Additional examples

Single textual message to one destination

### Request

JSON

**POST /restapi/sms/1/text/single HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "from": "InfoSMS",
  "to": "41793026727",
  "text": "Test SMS."
}
```

XML

**POST /restapi/sms/1/text/single HTTP/1.1**

Host: 107.20.199.106  
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==  
Content-Type: application/xml  
Accept: application/xml

```
<request>
  <from>InfoSMS</from>
  <to>
    <to>41793026727</to>
  </to>
  <text>Test SMS.</text>
</request>
```

## cURL

```
curl -X POST \
-H 'Content-Type: application/json' \
-H 'Accept: application/json' \
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==' \
-d '{
  "from":"InfoSMS",
  "to":"41793026727",
  "text":"Test SMS."
}' http://107.20.199.106/restapi/sms/1/text/single
```

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/text/single');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'accept' => 'application/json',
    'content-type' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

$request->setBody('{
  "from":"InfoSMS",
  "to":"41793026727",
  "text":"Test SMS."
}');
```

```

}')';

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}

```

## Ruby

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/text/single")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvGcGVuIHNLc2FtZQ=='
request["content-type"] = 'application/json'
request["accept"] = 'application/json'

request.body = "{\"from\":\"InfoSMS\", \"to\":\"41793026727\", \"text\":\"Test SMS.\"}"

response = http.request(request)
puts response.read_body

```

## Python

```

conn = http.client.HTTPConnection("107.20.199.106")

payload = "{\"from\":\"InfoSMS\", \"to\":\"41793026727\", \"text\":\"Test SMS.\"}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvGcGVuIHNLc2FtZQ==",
    'content-type': "application/json",
    'accept': "application/json"
}

```

```

    }

    conn.request("POST", "/restapi/sms/1/text/single", payload, headers)

    res = conn.getResponse()
    data = res.read()

    print(data.decode("utf-8"))

```

### Java

```

HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/sms/1/text/single")
    .header("authorization", "Basic QWxhZGRpbjpvGVuIHNlc2FtZQ==")
    .header("content-type", "application/json")
    .header("accept", "application/json")
    .body("{\"from\":\"InfoSMS\",\"to\":\"41793026727\",\"text\":\"Test SMS.\"}")
    .asString();

```

### C#

```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/text/single");

var request = new RestRequest(Method.POST);
request.AddHeader("accept", "application/json");
request.AddHeader("content-type", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvGVuIHNlc2FtZQ==");
request.AddParameter("application/json", "{\"from\":\"InfoSMS\",
\"to\":\"41793026727\",\"text\":\"Test SMS.\"}",
ParameterType.RequestBody);

IRestResponse response = client.Execute(request);

```

### JavaScript

```

var data = JSON.stringify({
    "from": "InfoSMS",
    "to": "41793026727",
    "text": "Test SMS."

```

```

});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("POST", "http://107.20.199.106/restapi/sms/1/text/single");
xhr.setRequestHeader("authorization", "Basic QWxhZGRpbjpvYVUHNlc2FtZQ==");
xhr.setRequestHeader("content-type", "application/json");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);

```

## Response

JSON

```

HTTP/1.1 200 OK
Content-Type: application/json

{
  "messages": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 0,
        "groupName": "Queue/Accepted",
        "id": 0,
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      },
      "smsCount": 1,
      "messageId": "2250be2d4219-3af1-78856-aabe-1362af1edfd2"
    }
  ]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```
<SMSResponse>
  <messages>
    <messages>
      <to>41793026727</to>
      <status>
        <id>0</id>
        <groupId>0</groupId>
        <groupName>ACCEPTED</groupName>
        <name>MESSAGE_ACCEPTED</name>
        <description>Message accepted</description>
      </status>
      <smsCount>1</smsCount>
      <messageId>2250be2d4219-3af1-78856-aabe-
1362af1edfd2</messageId>
    </messages>
  </messages>
</SMSResponse>
```

Single textual message to multiple destinations

## Request

JSON

POST /restapi/sms/1/text/single HTTP/1.1

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcmVudHNLc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "from": "InfoSMS",
  "to": [
    "41793026727",
    "41793026834"
  ],
  "text": "Test SMS."
}
```

## XML

**POST /restapi/sms/1/text/single HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/xml

Accept: application/xml

```
<request>
  <from>InfoSMS</from>
  <to>
    <to>41793026727</to>
    <to>41793026834</to>
  </to>
  <text>Test SMS.</text>
</request>
```

## cURL

```
curl -X POST
-H 'Content-Type: application/json'
-H 'Accept: application/json'
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
-d '{
  "from": "InfoSMS",
  "to": [
    "41793026727",
    "41793026834"
  ],
  "text": "Test SMS."
}' http://107.20.199.106/restapi/sms/1/text/single
```

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/text/single');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'accept' => 'application/json',
```



```

    'content-type' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
  ));

$request->setBody('{
  "from":"InfoSMS",
  "to":[
    "41793026727",
    "41793026834"
  ],
  "text":"Test SMS."
}');

try {
  $response = $request->send();

  echo $response->getBody();
} catch (HttpException $ex) {
  echo $ex;
}

```

## Ruby

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/text/single")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["content-type"] = 'application/json'
request["accept"] = 'application/json'

request.body = "{\"from\":\"InfoSMS\",\"to\":[\"41793026727\",
\"41793026834\"],\"text\":\"Test SMS.\"}"

response = http.request(request)
puts response.read_body

```

## Python

```

import http.client

conn = http.client.httpConnection("107.20.199.106")

payload = "{\"from\":\"InfoSMS\", \"to\": [\"41793026727\", \"41793026834\"], \"text\": \"Test SMS.\"}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'content-type': "application/json",
    'accept': "application/json"
}

conn.request("POST", "/restapi/sms/1/text/single", payload, headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

## Java

```

HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/sms/1/text/single")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("content-type", "application/json")
    .header("accept", "application/json")
    .body("{\"from\":\"InfoSMS\", \"to\": [\"41793026727\", \"41793026834\"], \"text\": \"Test SMS.\"}")
    .asString();

```

## C#

```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/text/single");

var request = new RestRequest(Method.POST);
request.AddHeader("accept", "application/json");
request.AddHeader("content-type", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
request.AddParameter("application/json", "{\"from\":\"InfoSMS\", \"to\":

```

```
[  \"41793026727\", \"41793026834\"], \"text\": \"Test SMS.\"}],  
ParameterType.RequestBody);  
  
IRestResponse response = client.Execute(request);
```

### JavaScript

```
var data = JSON.stringify({  
  "from": "InfoSMS",  
  "to": [  
    "41793026727",  
    "41793026834"  
  ],  
  "text": "Test SMS."  
});  
  
var xhr = new XMLHttpRequest();  
xhr.withCredentials = true;  
  
xhr.addEventListener("readystatechange", function () {  
  if (this.readyState === this.DONE) {  
    console.log(this.responseText);  
  }  
});  
  
xhr.open("POST", "http://107.20.199.106/restapi/sms/1/text/single");  
xhr.setRequestHeader("authorization", "Basic  
QWxhZGRpbjpvYVUyIHNlc2FtZQ==");  
xhr.setRequestHeader("content-type", "application/json");  
xhr.setRequestHeader("accept", "application/json");  
  
xhr.send(data);
```

### Response

#### JSON

```
HTTP/1.1 200 OK  
Content-Type: application/json  
  
{  
  "bulkId": "f5c4322c-10e7-a41e-5528-34fa0b032134",  
  "messages": [  

```

```

{
  "to": "41793026727",
  "status": {
    "groupId": 0,
    "groupName": "ACCEPTED",
    "id": 0,
    "name": "MESSAGE_ACCEPTED",
    "description": "Message accepted"
  },
  "smsCount": 1,
  "messageId": "4a54f0242f19-b832-1c39-a7e7a2095f351ed2"
},
{
  "to": "41793026834",
  "status": {
    "groupId": 0,
    "groupName": "ACCEPTED",
    "id": 0,
    "name": "MESSAGE_ACCEPTED",
    "description": "Message accepted"
  },
  "smsCount": 1,
  "messageId": "9404a69cef19-7a31-ba39-92ace76a5f351ed2"
}
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<SMSResponse>

<bulkId>f5c4322c-10e7-a41e-5528-34fa0b032134</bulkId>

<messages>

<messages>

<to>41793026727</to>

<status>

<id>0</id>

<groupId>0</groupId>

<groupName>ACCEPTED</groupName>

<name>MESSAGE\_ACCEPTED</name>

<description>Message accepted</description>

</status>

```

    <smsCount>1</smsCount>
    <messageId>2250be2d4219-3af1-78856-aabe-
1362af1edfd2</messageId>
  </messages>
  <messages>
    <to>41793026834</to>
    <status>
      <id>0</id>
      <groupId>0</groupId>
      <groupName>ACCEPTED</groupName>
      <name>MESSAGE_ACCEPTED</name>
      <description>Message accepted</description>
    </status>
    <smsCount>1</smsCount>
    <messageId>9404a69cef19-7a31-ba39-92ace76a5f351ed2</messageId>
  </messages>
</messages>
</SMSResponse>

```

## Multiple textual message

*This method allows you to send multiple textual messages to one or more destination addresses.*

### Definition

`http://107.20.199.106/restapi/sms/1/text/multi`

### Parameters

| Parameter | Type             | Description                     |
|-----------|------------------|---------------------------------|
| messages  | SMSTextualData[] | Messages that you want to send. |

### SMSMultiTextualData

| Parameter   | Type   | Description   |
|-------------|--------|---|
| <i>from</i> | String | Represents sender ID and it can be alphanumeric or numeric. <i>Alphanumeric</i> sender ID length should be between 3 and 11 characters (Example: <code>CompanyName</code> ). <i>Numeric</i> sender ID length should be between 3 and 14 characters. |

*to*            `String[]`    **Required.** Array of message destination addresses. If you want to send a [message to one destination](#), a single `String` is supported instead of an Array. Destination addresses must be in international format (Example: 41793026727 ).

---

*text*            `String`    Text of the message that will be sent.

## Examples

**POST /restapi/sms/1/text/multi HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvVG9uIHNLc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "messages": [
    {
      "from": "InfoSMS",
      "to": [
        "41793026727",
        "41793026731"
      ],
      "text": "May the Force be with you!"
    },
    {
      "from": "41793026700",
      "to": "41793026785",
      "text": "A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire."
    }
  ]
}
```

### Result Format

```
{
  "bulkId": "5028e2d42f19-42f1-4656-351e-a42c191e5fd2",
  "messages": [
    {
```

```

        "to": "41793026727",
        "status": {
            "groupId": 0,
            "groupName": "ACCEPTED",
            "id": 0,
            "name": "MESSAGE_ACCEPTED",
            "description": "Message accepted"
        },
        "smsCount": 1,
        "messageId": "4242f196ba50-a356-2f91-831c4aa55f351ed2"
    },
    {
        "to": "41793026785",
        "status": {
            "groupId": 0,
            "groupName": "ACCEPTED",
            "id": 0,
            "name": "MESSAGE_ACCEPTED",
            "description": "Message accepted"
        },
        "smsCount": 2,
        "messageId": "5f35f87a2f19-a141-43a4-91cd81b85f8c689"
    }
]
}

```

## Response format

If successful, response header HTTP status code will be `200 OK` and the message will be sent.

If you try to send message without authorization, you will receive an error `401 Unauthorized`.

### SMSResponse

| Parameter       | Type                 | Description   |
|-----------------|----------------------|---|
| <i>bulkId</i>   | String               | The ID that uniquely identifies the request. Bulk ID will be received only when you send a message to <a href="#">more than one destination address</a> . |
| <i>messages</i> | SMSResponseDetails[] | Array of sent message objects, one object per every message.  |

## SMSResponseDetails

| Parameter        | Type   | Description  |
|------------------|--------|--|
| <i>to</i>        | String | The message destination address.   |
| <i>status</i>    | Status | Indicates whether the message is successfully sent, not sent, delivered, not delivered, waiting for delivery or any other possible status. |
| <i>smsCount</i>  | int    | The number of sent message segments.   |
| <i>messageId</i> | String | The ID that uniquely identifies the message sent.  |

## Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

### Long SMS:

Maximum length for one message is 160 characters for GSM7 standard or 70 characters Unicode encoded messages. If you send text which exceeds the maximum number of supported characters for one message, the sent message will be segmented and charged accordingly. One Long SMS that consists of two SMS counts as two SMS.

## Additional examples

Multiple textual messages to multiple destinations

### Request:



## JSON

**POST /restapi/sms/1/text/multi HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "messages": [
    {
      "from": "InfoSMS",
      "to": [
        "41793026727",
        "41793026731"
      ],
      "text": "May the Force be with you!"
    },
    {
      "from": "41793026700",
      "to": "41793026785",
      "text": "A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire."
    }
  ]
}
```

## XML

**POST /restapi/sms/1/text/multi HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/xml

Accept: application/xml

```
<request>
  <messages>
    <messages>
      <from>InfoSMS</from>
      <to>
        <to>41793026727</to>
        <to>41793026731</to>
      </to>
    </messages>
  </messages>
</request>
```

```

    <text>May the Force be with you!</text>
  </messages>
</messages>
  <from>41793026700</from>
  <to>
    <to>41793026785</to>
  </to>
  <text>A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire.</text>
</messages>
</messages>
</request>

```

## cURL

```

curl -X POST \
-H 'Content-Type: application/json' \
-H 'Accept: application/json' \
-H 'Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==' \
-d '{
  "messages":[
    {
      "from":"InfoSMS",
      "to":[
        "41793026727",
        "41793026731"
      ],
      "text":"May the Force be with you!"
    },
    {
      "from":"41793026700",
      "to":"41793026785",
      "text":"A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire."
    }
  ]
}' http://107.20.199.106/restapi/sms/1/text/multi

```

## PHP

```
<?php
```

```

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/text/multi');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==',
    'content-type' => 'application/json'
));

$request->setBody('{
    "messages":[
        {
            "from":"InfoSMS",
            "to":[
                "41793026727",
                "41793026731"
            ],
            "text":"May the Force be with you!"
        },
        {
            "from":"41793026700",
            "to":"41793026785",
            "text":"A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire."
        }
    ]
}');

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}

```

*Ruby*

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/text/multi")

```

```

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["content-type"] = 'application/json'
request["accept"] = 'application/json'

request.body = "{\"messages\": [{\"from\": \"InfoSMS\", \"to\": \"41793026727\", \"41793026731\", \"text\": \"May the Force be with you!\"}, {\"from\": \"41793026700\", \"to\": \"41793026785\", \"text\": \"A long time ago, in a galaxy far, far away... It is a period of civil war. Rebel spaceships, striking from a hidden base, have won their first victory against the evil Galactic Empire.\"} ]}"

response = http.request(request)
puts response.read_body

```

## Python

```

import http.client

conn = http.client.HTTPConnection("107.20.199.106")

payload = "{\"messages\": [{\"from\": \"InfoSMS\", \"to\": \"41793026727\", \"41793026731\", \"text\": \"May the Force be with you!\"}, {\"from\": \"41793026700\", \"to\": \"41793026785\", \"text\": \"A long time ago, in a galaxy far, far away... It is a period of civil war. Rebel spaceships, striking from a hidden base, have won their first victory against the evil Galactic Empire.\"} ]}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'content-type': "application/json",
    'accept': "application/json"
}

conn.request("POST", "/restapi/sms/1/text/multi", payload, headers)

res = conn.getresponse()
data = res.read()

```

```
print(data.decode("utf-8"))
```

## Java

```
HttpResponse<String> response =  
Unirest.post("http://107.20.199.106/restapi/sms/1/text/multi")  
    .header("authorization", "Basic QWxhZGRpbjpvVGluIHNLc2FtZQ==")  
    .header("content-type", "application/json")  
    .header("accept", "application/json")  
    .body("{\"messages\": [{\"from\": \"InfoSMS\", \"to\": [\"41793026727\",  
\"41793026731\"], \"text\": \"May the Force be with you!\"},  
{\"from\": \"41793026700\", \"to\": \"41793026785\", \"text\": \"A long  
time ago, in a galaxy far, far away... It is a period of civil war.  
Rebel spaceships, striking from a hidden base, have won their first  
victory against the evil Galactic Empire.\"}]]\"}")  
    .asString();
```

## C#

```
var client = new  
RestClient("http://107.20.199.106/restapi/sms/1/text/multi");  
  
var request = new RestRequest(Method.POST);  
request.AddHeader("accept", "application/json");  
request.AddHeader("content-type", "application/json");  
request.AddHeader("authorization", "Basic  
QWxhZGRpbjpvVGluIHNLc2FtZQ==");  
request.AddParameter("application/json", "{\"messages\":  
[ {\"from\": \"InfoSMS\", \"to\": [\"41793026727\", \"41793026731\"],  
\"text\": \"May the Force be with you!\"}, {\"from\": \"41793026700\",  
\"to\": \"41793026785\", \"text\": \"A long time ago, in a galaxy far, far  
away... It is a period of civil war. Rebel spaceships, striking from a  
hidden base, have won their first victory against the evil Galactic  
Empire.\"}]]\", ParameterType.RequestBody);  
  
IRestResponse response = client.Execute(request);
```

## JavaScript

```
var data = JSON.stringify({  
  "messages": [  
    {
```

```

        "from": "InfoSMS",
        "to": [
            "41793026727",
            "41793026731"
        ],
        "text": "May the Force be with you!"
    },
    {
        "from": "41793026700",
        "to": "41793026785",
        "text": "A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire."
    }
]
});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("POST", "http://107.20.199.106/restapi/sms/1/text/multi");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("content-type", "application/json");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);

```

## Response

JSON

```

HTTP/1.1 200 OK
Content-Type: application/json

{
  "bulkId": "5028e2d42f19-42f1-4656-351e-a42c191e5fd2",
  "messages": [
    {

```

```

    "to": "41793026727",
    "status": {
      "groupId": 0,
      "groupName": "ACCEPTED",
      "id": 0,
      "name": "MESSAGE_ACCEPTED",
      "description": "Message accepted"
    },
    "smsCount": 1,
    "messageId": "4242f196ba50-a356-2f91-831c4aa55f351ed2"
  },
  {
    "to": "41793026731",
    "status": {
      "groupId": 0,
      "groupName": "ACCEPTED",
      "id": 0,
      "name": "MESSAGE_ACCEPTED",
      "description": "Message accepted"
    },
    "smsCount": 1,
    "messageId": "9304a5a3ab19-1ca1-be74-76ad87651ed25f35"
  },
  {
    "to": "41793026785",
    "status": {
      "groupId": 0,
      "groupName": "ACCEPTED",
      "id": 0,
      "name": "MESSAGE_ACCEPTED",
      "description": "Message accepted"
    },
    "smsCount": 2,
    "messageId": "5f35f87a2f19-a141-43a4-91cd81b85f8c689"
  }
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<SendSMSResponse>

```

<bulkId>7241ea9b2ca9-a11f-42c6-aa1e-83cd11c75f52</bulkId>
<messages>
  <messages>
    <to>41793026727</to>
    <status>
      <groupId>0</groupId>
      <groupName>ACCEPTED</groupName>
      <id>0</id>
      <name>MESSAGE_ACCEPTED</name>
      <description>Message accepted</description>
    </status>
    <smsCount>1</smsCount>
    <messageId>4242f196ba50-a356-2f91-831c4aa55f351ed2</messageId>
  </messages>
  <messages>
    <to>41793026731</to>
    <status>
      <groupId>0</groupId>
      <groupName>ACCEPTED</groupName>
      <id>0</id>
      <name>MESSAGE_ACCEPTED</name>
      <description>Message accepted</description>
    </status>
    <smsCount>1</smsCount>
    <messageId>9304a5a3ab19-1ca1-be74-76ad87651ed25f35</messageId>
  </messages>
  <messages>
    <to>41793026785</to>
    <status>
      <groupId>0</groupId>
      <groupName>ACCEPTED</groupName>
      <id>0</id>
      <name>MESSAGE_ACCEPTED</name>
      <description>Message accepted</description>
    </status>
    <smsCount>2</smsCount>
    <messageId>5f35f87a2f19-a141-43a4-91cd81b85f8c689</messageId>
  </messages>
</messages>
</SendSMSResponse>

```

Single binary message



This method allows you to send single binary message to one or more destination addresses.

## Definition

`http://107.20.199.106/restapi/sms/1/binary/single`

## Parameters

| Parameter     | Type          | Description   |
|---------------|---------------|---|
| <i>from</i>   | String        | Represents sender ID and it can be alphanumeric or numeric. <i>Alphanumeric</i> sender ID length should be between 3 and 11 characters (Example: <code>CompanyName</code> ). <i>Numeric</i> sender ID length should be between 3 and 14 characters.                       |
| <i>to</i>     | String[]      | <b>Required.</b> Array of message destination addresses. If you want to send a <a href="#">message to one destination</a> , a single String is supported instead of an Array. Destination addresses must be in international format (Example: <code>41793026727</code> ). |
| <i>binary</i> | BinaryContent | Binary content that you want to send.   |

## BinaryContent

| Parameter         | Type   | Description   |
|-------------------|--------|---|
| <i>hex</i>        | String | Hexadecimal string. This is the representation of your binary data. Two hex digits represent one byte. They should be separated by space character (Example: <code>"0f c2 4a bf 34 13 ba"</code> ). |
| <i>dataCoding</i> | int    | Binary content data coding. Default value is ( <code>0</code> ) for GSM7. Example: ( <code>8</code> ) for Unicode data.   |
| <i>esmClass</i>   | int    | "Esm_class" parameter. Indicate a special message attributes associated with the SMS. Default value is ( <code>0</code> ) .   |

Find out more about Data coding and "Esm\_class" usage [here](#).

## Examples

**POST /1/sms/binary/single HTTP/1.1**

Host: `107.20.199.106`

```
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Content-Type: application/json
Accept: application/xml
```

```
{
  "from": "InfoSMS",
  "to": "41793026727",
  "binary": {
    "hex": "54 65 73 74 20 6d 65 73 73 61 67 65 2e",
    "dataCoding": 0,
    "esmClass": 0
  }
}
```

## Result Format

```
{
  "messages": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 0,
        "groupName": "ACCEPTED",
        "id": 0,
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      },
      "smsCount": 1,
      "messageId": "502baa42f19-42f1-351e-4656a42c1b1e5fd2"
    }
  ]
}
```

## Response format

If successful, response header HTTP status code will be `200 OK` and the message will be sent.

If you try to send message without authorization, you will receive an error `401 Unauthorized`.

## SMSResponse

| Parameter       | Type                 | Description   |
|-----------------|----------------------|---|
| <i>bulkId</i>   | String               | The ID that uniquely identifies the request. Bulk ID will be received only when you send a message to <a href="#">more than one destination address</a> . |
| <i>messages</i> | SMSResponseDetails[] | Array of sent message objects, one object per every message.  |

### SMSResponseDetails

| Parameter        | Type   | Description  |
|------------------|--------|--|
| <i>to</i>        | String | The message destination address.   |
| <i>status</i>    | Status | Indicates whether the message is successfully sent, not sent, delivered, not delivered, waiting for delivery or any other possible status. |
| <i>smsCount</i>  | int    | The number of sent message segments.   |
| <i>messageId</i> | String | The ID that uniquely identifies the message sent.  |

### Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

#### Note:

Find out more about Data coding and “Esm\_class” usage [here](#).

## Additional examples

Single binary message to one destination

## Request

### JSON

**POST /1/sms/binary/single HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/json

Accept: application/xml

```
{
  "from": "InfoSMS",
  "to": "41793026727",
  "binary": {
    "hex": "54 65 73 74 20 6d 65 73 73 61 67 65 2e",
    "dataCoding": 0,
    "esmClass": 0
  }
}
```

### XML

**POST /1/sms/binary/single HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/xml

Accept: application/xml

```
<request>
  <from>InfoSMS</from>
  <to>
    <to>41793026727</to>
  </to>
  <binary>
    <hex>54 65 73 74 20 6d 65 73 73 61 67 65 2e</hex>
    <dataCoding>0</dataCoding>
    <esmClass>0</esmClass>
  </binary>
</request>
```

### cURL

```
curl -X POST \  
-H 'Content-Type: application/json' \  
-H 'Accept: application/json' \  
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==' \  
-d '{  
  "from":"InfoSMS",  
  "to":"41793026727",  
  "binary":{  
    "hex":"54 65 73 74 20 6d 65 73 73 61 67 65 2e",  
    "dataCoding":0,  
    "esmClass":0  
  }  
}' http://107.20.199.106/restapi/1/sms/binary/single
```

PHP

```
<?php  
  
$request = new HttpRequest();  
$request->setUrl('http://107.20.199.106/restapi/sms/1/binary/single');  
$request->setMethod(HTTP_METH_POST);  
  
$request->setHeaders(array(  
  'accept' => 'application/json',  
  'content-type' => 'application/json',  
  'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
));  
  
$request->setBody('{  
  "from":"InfoSMS",  
  "to":"41793026727",  
  "binary":{  
    "hex":"54 65 73 74 20 6d 65 73 73 61 67 65 2e",  
    "dataCoding":0,  
    "esmClass":0  
  }  
}');  
  
try {  
  $response = $request->send();  
  
  echo $response->getBody();  
} catch (HttpException $ex) {  
  echo $ex;
```

```
}
```

## Ruby

```
require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/binary/single")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["content-type"] = 'application/json'
request["accept"] = 'application/json'

request.body = "{\"from\":\"InfoSMS\", \"to\":\"41793026727\", \"binary\":{\"hex\":\"54 65 73 74 20 6d 65 73 73 61 67 65 2e\", \"dataCoding\":0, \"esmClass\":0}}}"

response = http.request(request)
puts response.read_body
```

## Python

```
import http.client

conn = http.client.HTTPConnection("107.20.199.106")

payload = "{\"from\":\"InfoSMS\", \"to\":\"41793026727\", \"binary\":{\"hex\":\"54 65 73 74 20 6d 65 73 73 61 67 65 2e\", \"dataCoding\":0, \"esmClass\":0}}}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'content-type': "application/json",
    'accept': "application/json"
}

conn.request("POST", "/restapi/sms/1/binary/single", payload, headers)
```

```
res = conn.getResponse()
data = res.read()

print(data.decode("utf-8"))
```

## Java

```
HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/sms/1/binary/single")
    .header("authorization", "Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==")
    .header("content-type", "application/json")
    .header("accept", "application/json")
    .body("{\"from\":\"InfoSMS\", \"to\":\"41793026727\", \"binary\":
{\\\"hex\\\":\\\"54 65 73 74 20 6d 65 73 73 61 67 65 2e\\\", \\\"dataCoding\\\":0,
\\\"esmClass\\\":0}}")
    .asString();
```

## C#

```
var client = new
RestClient("http://107.20.199.106/restapi/sms/1/binary/single");

var request = new RestRequest(Method.POST);
request.AddHeader("accept", "application/json");
request.AddHeader("content-type", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvGVuIHNLc2FtZQ==");
request.AddParameter("application/json", "{\"from\":\"InfoSMS\",
\\\"to\\\":\\\"41793026727\\\", \\\"binary\\\":{\\\"hex\\\":\\\"54 65 73 74 20 6d 65 73 73
61 67 65 2e\\\", \\\"dataCoding\\\":0, \\\"esmClass\\\":0}}",
ParameterType.RequestBody);

IRestResponse response = client.Execute(request);
```

## JavaScript

```
var data = JSON.stringify({
    "from": "InfoSMS",
    "to": "41793026727",
    "binary": {
        "hex": "54 65 73 74 20 6d 65 73 73 61 67 65 2e",
        "dataCoding": 0,
```

```

        "esmClass": 0
    }
});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("POST", "http://107.20.199.106/restapi/sms/1/binary/single");
xhr.setRequestHeader("authorization", "Basic QWxhZGRpbjpvYVUHNlc2FtZQ==");
xhr.setRequestHeader("content-type", "application/json");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);

```

## Response

JSON

```

HTTP/1.1 200 OK
Content-Type: application/json

{
  "messages": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 0,
        "groupName": "ACCEPTED",
        "id": 0,
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      },
      "smsCount": 1,
      "messageId": "502baa42f19-42f1-351e-4656a42c1b1e5fd2"
    }
  ]
}

```



## XML

**HTTP/1.1 200 OK**

Content-Type: **application/xml**

```
<SMSResponse>
  <messages>
    <messages>
      <to>41793026727</to>
      <status>
        <groupId>0</groupId>
        <groupName>ACCEPTED</groupName>
        <id>0</id>
        <name>MESSAGE_ACCEPTED</name>
        <description>Message accepted</description>
      </status>
      <smsCount>1</smsCount>
      <messageId>502baa42f19-42f1-351e-4656a42c1b1e5fd2</messageId>
    </messages>
  </messages>
</SMSResponse>
```

Single binary message to multiple destinations

## Request

### JSON

**POST /1/sms/binary/single HTTP/1.1**

Host: **107.20.199.106**

Authorization: **Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==**

Content-Type: **application/json**

Accept: **application/json**

```
{
  "from": "InfoSMS",
  "to": [
    "41793026727",
    "41793026834"
  ],
  "binary": {
    "hex": "54 65 73 74 69 6e 67 20 c4 8d c5 a1 c4 87 c4 91",
    "dataCoding": 7,
  }
}
```

```
    "esmClass":0
  }
}
```

## XML

**POST /1/sms/binary/single HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/xml

Accept: application/xml

**<request>**

**<from>**InfoSMS**</from>**

**<to>**

**<to>**41793026727**</to>**

**<to>**41793026834**</to>**

**</to>**

**<binary>**

**<hex>**54 65 73 74 69 6e 67 20 c4 8d c5 a1 c4 87 c4 91**</hex>**

**<dataCoding>**7**</dataCoding>**

**<esmClass>**0**</esmClass>**

**</binary>**

**</request>**

## cURL

curl -X POST

-H 'Content-Type: application/json'

-H 'Accept: application/json'

-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='

-d '{

"from":"InfoSMS",

"to":[

"41793026727",

"41793026834"

],

"binary":{

"hex":"54 65 73 74 69 6e 67 20 c4 8d c5 a1 c4 87 c4 91",

"dataCoding":7,

"esmClass":0

}

}' http://107.20.199.106/restapi/1/sms/binary/single

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/binary/single');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'accept' => 'application/json',
    'content-type' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvYVUyIHNlc2FtZQ=='
));

$request->setBody('{
    "from":"InfoSMS",
    "to":[
        "41793026727",
        "41793026834"
    ],
    "binary":{
        "hex":"54 65 73 74 69 6e 67 20 c4 8d c5 a1 c4 87 c4 91",
        "dataCoding":7,
        "esmClass":0
    }
}');

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}
```

## Ruby

```
require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/binary/single")

http = Net::HTTP.new(url.host, url.port)
```

```

http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["content-type"] = 'application/json'
request["accept"] = 'application/json'

request.body = "{\"from\":\"InfoSMS\", \"to\":[\"41793026727\",
\"41793026834\"], \"binary\":{\"hex\":\"54 65 73 74 69 6e 67 20 c4 8d c5
a1 c4 87 c4 91\", \"dataCoding\":7, \"esmClass\":0}}}"

response = http.request(request)
puts response.read_body

```

## Python

```

import http.client

conn = http.client.HTTPConnection("107.20.199.106")

payload = "{\"from\":\"InfoSMS\", \"to\":[\"41793026727\",
\"41793026834\"], \"binary\":{\"hex\":\"54 65 73 74 69 6e 67 20 c4 8d c5
a1 c4 87 c4 91\", \"dataCoding\":7, \"esmClass\":0}}}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'content-type': "application/json",
    'accept': "application/json"
}

conn.request("POST", "/restapi/sms/1/binary/single", payload, headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

## Java

```

HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/sms/1/binary/single")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")

```

```

.header("content-type", "application/json")
.header("accept", "application/json")
.body("{\"from\":\"InfoSMS\", \"to\":[\"41793026727\",
\"41793026834\"], \"binary\":{\"hex\":\"54 65 73 74 69 6e 67 20 c4 8d c5
a1 c4 87 c4 91\", \"dataCoding\":7, \"esmClass\":0}}")
.asString();

```

C#

```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/binary/single");

var request = new RestRequest(Method.POST);
request.AddHeader("accept", "application/json");
request.AddHeader("content-type", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvGVuIHNlc2FtZQ==");
request.AddParameter("application/json", "{\"from\":\"InfoSMS\", \"to\":
[\"41793026727\", \"41793026834\"], \"binary\":{\"hex\":\"54 65 73 74 69
6e 67 20 c4 8d c5 a1 c4 87 c4 91\", \"dataCoding\":7, \"esmClass\":0}}",
ParameterType.RequestBody);

IRestResponse response = client.Execute(request);

```

JavaScript

```

var data = JSON.stringify({
  "from": "InfoSMS",
  "to": [
    "41793026727",
    "41793026834"
  ],
  "binary": {
    "hex": "54 65 73 74 69 6e 67 20 c4 8d c5 a1 c4 87 c4 91",
    "dataCoding": 7,
    "esmClass": 0
  }
});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {

```

```

    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("POST", "http://107.20.199.106/restapi/sms/1/binary/single");
xhr.setRequestHeader("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("content-type", "application/json");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);

```

## Response

JSON

```

HTTP/1.1 200 OK
Content-Type: application/json

{
  "bulkId": "5028e2d42f19-42f1-4656-351e-a42c191e5fd2",
  "messages": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 0,
        "groupName": "ACCEPTED",
        "id": 0,
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      },
      "smsCount": 1,
      "messageId": "465650242f19-4656-c191-a42e87655f351ed2"
    },
    {
      "to": "41793026834",
      "status": {
        "groupId": 0,
        "groupName": "ACCEPTED",
        "id": 0,
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      },
      "smsCount": 1,

```

```
    "messageId": "1234aba32f19-3c31-b294-76ad87655f351ed2"
  }
]
}
```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```
<SMSResponse>
  <bulkId>7241ea9b2ca9-a11f-42c6-aa1e-83cd11c75f52</bulkId>
  <messages>
    <messages>
      <to>41793026727</to>
      <status>
        <groupId>0</groupId>
        <groupName>ACCEPTED</groupName>
        <id>0</id>
        <name>MESSAGE_ACCEPTED</name>
        <description>Message accepted</description>
      </status>
      <smsCount>1</smsCount>
      <messageId>4242f196ba50-a356-2f91-831c4aa55f351ed2</messageId>
    </messages>
    <messages>
      <to>41793026834</to>
      <status>
        <groupId>0</groupId>
        <groupName>ACCEPTED</groupName>
        <id>0</id>
        <name>MESSAGE_ACCEPTED</name>
        <description>Message accepted</description>
      </status>
      <smsCount>1</smsCount>
      <messageId>9304a5a3ab19-1ca1-be74-76ad87651ed25f35</messageId>
    </messages>
  </messages>
</SMSResponse>
```

Multiple binary message

This method allows you to send multiple binary messages to one or more destination addresses.

## Definition

```
http://107.20.199.106/restapi/sms/1/binary/multi
```

## Parameters

| Parameter       | Type            | Description                     |
|-----------------|-----------------|---------------------------------|
| <i>messages</i> | SMSBinaryData[] | Messages that you want to send. |

## SMSBinaryData

| Parameter     | Type          | Description  |
|---------------|---------------|--|
| <i>from</i>   | String        | Represents sender ID and it can be alphanumeric or numeric. <i>Alphanumeric</i> sender ID length should be between 3 and 11 characters (Example: <code>CompanyName</code> ). <i>Numeric</i> sender ID length should be between 3 and 14 characters.      |
| <i>to</i>     | String[]      | <b>Required.</b> Array of message destination addresses. If you want to send a message to one destination, a single String is supported instead of an Array. Destination addresses must be in international format (Example: <code>41793026727</code> ). |
| <i>binary</i> | BinaryContent | Binary content that you want to send.  |

## BinaryContent

| Parameter         | Type    | Description   |
|-------------------|---------|---|
| <i>hex</i>        | String  | Hexadecimal string. This is the representation of your binary data. Two hex digits represent one byte. They should be separated by space character (Example: <code>"0f c2 4a bf 34 13 ba"</code> ). |
| <i>dataCoding</i> | Integer | Binary content data coding. Default value is ( <code>0</code> ) for GSM7. Example: ( <code>8</code> ) for Unicode data.   |
| <i>esmClass</i>   | Integer | "Esm_class" parameter. Indicate a special message attributes associated with the SMS. Default value is ( <code>0</code> ) .   |

## Examples



**POST /1/sms/binary/multi HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvVGluIHNLc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "messages":[
    {
      "from":"InfoSMS",
      "to":[
        "41793026727",
        "41793026731"
      ],
      "binary":{
        "hex":"54 65 73 74 20 6d 65 73 73 61 67 65 2e",
        "dataCoding":0,
        "esmClass":0
      }
    },
    {
      "from":"41793026700",
      "to":"41793026785",
      "binary":{
        "hex":"d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5
20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5",
        "dataCoding":6,
        "esmClass":0
      }
    }
  ]
}
```

## Result Format

```
{
  "bulkId":"1036A4cb-803a-4a73-a5a6-7e4fc3791722",
  "messages":[
    {
      "to":"41793026727",
      "status":{
        "groupId":7,
        "groupName":"PENDING",
        "id":7,

```

```

        "name": "PENDING_ENROUTE",
        "description": "Message sent to next instance"
    },
    "smsCount": 1,
    "messageId": "1254df3e-ab62-15af5-230b-14d8e65c7540"
},
{
    "to": "41793026785",
    "status": {
        "groupId": 1,
        "groupName": "PENDING",
        "id": 7,
        "name": "PENDING_ENROUTE",
        "description": "Message sent to next instance"
    },
    "smsCount": 1,
    "messageId": "1877df3e-4b62-46f5-819b-14d8e65c2291"
}
]
}

```

## Response format

If successful, response header HTTP status code will be `200 OK` and the messages will be sent.

If you try to send messages without authorization, you will receive an error `401 Unauthorized`.

### SMSResponse

| Parameter       | Type                 | Description   |
|-----------------|----------------------|---|
| <i>bulkId</i>   | String               | The ID that uniquely identifies the request. Bulk ID will be received only when you send the message to <a href="#">more than one destination address</a> . |
| <i>messages</i> | SMSResponseDetails[] | Array of sent message objects, one object per every message.  |

### SMSResponseDetails

| Parameter | Type | Description |
|-----------|------|-------------|
|-----------|------|-------------|

|                  |        |  |
|------------------|--------|--|
| <i>to</i>        | String | The message destination address.   |
| <i>status</i>    | Status | Indicates whether the message is successfully sent, not sent, delivered, not delivered, waiting for delivery or any other possible status. |
| <i>smsCount</i>  | int    | The number of sent message segments.   |
| <i>messageId</i> | String | The ID that uniquely identifies the message sent.  |

## Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

### Note:

Find out more about Data coding and Esm\_class usage [here](#).

## Additional examples

### Multiple binary messages to multiple destinations

#### Request

JSON

```
POST /1/sms/binary/multi HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==
Content-Type: application/json
```

Accept: application/json

```
{
  "messages":[
    {
      "from":"InfoSMS",
      "to":[
        "41793026727",
        "41793026731"
      ],
      "binary":{
        "hex":"54 65 73 74 20 6d 65 73 73 61 67 65 2e",
        "dataCoding":0,
        "esmClass":0
      }
    },
    {
      "from":"41793026700",
      "to":"41793026785",
      "binary":{
        "hex":"d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5
20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5",
        "dataCoding":6,
        "esmClass":0
      }
    }
  ]
}
```

XML

**POST /1/sms/binary/multi HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvVGluIHNLc2FtZQ==

Content-Type: application/xml

Accept: application/xml

**<request>**

**<messages>**

**<messages>**

**<from>**InfoSMS**</from>**

**<to>**

**<to>**41793026727**</to>**

**<to>**41793026731**</to>**

```

    </to>
    <binary>
      <hex>54 65 73 74 20 6d 65 73 73 61 67 65 2e</hex>
      <dataCoding>0</dataCoding>
      <esmClass>0</esmClass>
    </binary>
  </messages>
  <messages>
    <from>41793026700</from>
    <to>
      <to>41793026785</to>
    </to>
    <binary>
      <hex>d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5
20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5</hex>
      <dataCoding>6</dataCoding>
      <esmClass>0</esmClass>
    </binary>
  </messages>
</messages>
</request>

```

## cURL

```

curl -X POST \
-H 'Content-Type: application/json' \
-H 'Accept: application/json' \
-H 'Authorization: Basic QWxhZGRpbjpvVG9uIHNLc2FtZQ==' \
-d '{
  "messages":[
    {
      "from":"InfoSMS",
      "to":[
        "41793026727",
        "41793026731"
      ],
      "binary":{
        "hex":"54 65 73 74 20 6d 65 73 73 61 67 65 2e",
        "dataCoding":0,
        "esmClass":0
      }
    },
    {
      "from":"41793026700",

```

```

        "to": "41793026785",
        "binary": {
            "hex": "d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5
20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5",
            "dataCoding": 6,
            "esmClass": 0
        }
    }
]
}' http://107.20.199.106/restapi/1/sms/binary/multi

```

PHP

```

<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/binary/multi');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'accept' => 'application/json',
    'content-type' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvYVUyIHNlc2FtZQ=='
));

$request->setBody('{
    "messages": [
        {
            "from": "InfoSMS",
            "to": [
                "41793026727",
                "41793026731"
            ],
            "binary": {
                "hex": "54 65 73 74 20 6d 65 73 73 61 67 65 2e",
                "dataCoding": 0,
                "esmClass": 0
            }
        },
        {
            "from": "41793026700",
            "to": "41793026785",
            "binary": {
                "hex": "d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5

```

```

20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5",
    "dataCoding":6,
    "esmClass":0
  }
}
]
}')';

try {
  $response = $request->send();

  echo $response->getBody();
} catch (HttpException $ex) {
  echo $ex;
}

```

## Ruby

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/binary/multi")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["content-type"] = 'application/json'
request["accept"] = 'application/json'

request.body = "{\"messages\":[{\"from\":\"InfoSMS\", \"to\":
[\"41793026727\", \"41793026731\"], \"binary\":{\"hex\":\"54 65 73 74 20
6d 65 73 73 61 67 65 2e\", \"dataCoding\":0, \"esmClass\":0}},
{\"from\":\"41793026700\", \"to\":\"41793026785\", \"binary\":
{\"hex\":\"d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5 20 d1
9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5\", \"dataCoding\":6,
\"esmClass\":0}}}]}"

response = http.request(request)
puts response.read_body

```

## Python

```

import http.client

conn = http.client.httpConnection("107.20.199.106")

payload = "{\"messages\": [{\"from\": \"InfoSMS\", \"to\": \"41793026727\", \"binary\": {\"hex\": \"54 65 73 74 20 6d 65 73 73 61 67 65 2e\", \"dataCoding\": 0, \"esmClass\": 0}}, {\"from\": \"41793026700\", \"to\": \"41793026785\", \"binary\": {\"hex\": \"d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5 20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5\", \"dataCoding\": 6, \"esmClass\": 0}}]}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvVGluIHNLc2FtZQ==",
    'content-type': "application/json",
    'accept': "application/json"
}

conn.request("POST", "/restapi/sms/1/binary/multi", payload, headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

## Java

```

HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/sms/1/binary/multi")
    .header("authorization", "Basic QWxhZGRpbjpvVGluIHNLc2FtZQ==")
    .header("content-type", "application/json")
    .header("accept", "application/json")
    .body("{\"messages\": [{\"from\": \"InfoSMS\", \"to\": \"41793026727\", \"binary\": {\"hex\": \"54 65 73 74 20 6d 65 73 73 61 67 65 2e\", \"dataCoding\": 0, \"esmClass\": 0}}, {\"from\": \"41793026700\", \"to\": \"41793026785\", \"binary\": {\"hex\": \"d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5 20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5\", \"dataCoding\": 6, \"esmClass\": 0}}]}")
    .asString();

```

## C#



```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/binary/multi");

var request = new RestRequest(Method.POST);
request.AddHeader("accept", "application/json");
request.AddHeader("content-type", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
request.AddParameter("application/json", "{\"messages\":
[{\"from\":\"InfoSMS\", \"to\":[\"41793026727\", \"41793026731\"],
\"binary\":{\"hex\":\"54 65 73 74 20 6d 65 73 73 61 67 65 2e\",
\"dataCoding\":0, \"esmClass\":0}}, {\"from\":\"41793026700\",
\"to\":\"41793026785\", \"binary\":{\"hex\":\"d1 82 d0 b5 d1 81 d1 82 d0
b8 d1 80 d0 b0 d1 9a d0 b5 20 d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86
d0 b5\", \"dataCoding\":6, \"esmClass\":0}}]}",
ParameterType.RequestBody);

IRestResponse response = client.Execute(request);

```

## JavaScript

```

var data = JSON.stringify({
  "messages": [
    {
      "from": "InfoSMS",
      "to": [
        "41793026727",
        "41793026731"
      ],
      "binary": {
        "hex": "54 65 73 74 20 6d 65 73 73 61 67 65 2e",
        "dataCoding": 0,
        "esmClass": 0
      }
    },
    {
      "from": "41793026700",
      "to": "41793026785",
      "binary": {
        "hex": "d1 82 d0 b5 d1 81 d1 82 d0 b8 d1 80 d0 b0 d1 9a d0 b5 20
d1 9b d0 b8 d1 80 d0 b8 d0 bb d0 b8 d1 86 d0 b5",
        "dataCoding": 6,
        "esmClass": 0
      }
    }
  ]
});

```

```

    }
  ]
});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
  if (this.readyState === this.DONE) {
    console.log(this.responseText);
  }
});

xhr.open("POST", "http://107.20.199.106/restapi/sms/1/binary/multi");
xhr.setRequestHeader("authorization", "Basic QWxhZGRpbjpvYVUyIHNlc2FtZQ==");
xhr.setRequestHeader("content-type", "application/json");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);

```

## Response

JSON

```

HTTP/1.1 200 OK
Content-Type: application/json

{
  "bulkId":"1036A4cb-803a-4a73-a5a6-7e4fc3791722",
  "messages":[
    {
      "to":"41793026727",
      "status":{
        "groupId":7,
        "groupName":"PENDING",
        "id":7,
        "name":"PENDING_ENROUTE",
        "description":"Message sent to next instance"
      },
      "smsCount":1,
      "messageId":"1254df3e-ab62-15af5-230b-14d8e65c7540"
    },
    {
      "to":"41793026731",

```

```

    "status":{
      "groupId":1,
      "groupName":"PENDING",
      "id":7,
      "name":"PENDING_ENROUTE",
      "description":"Message sent to next instance"
    },
    "smsCount":1,
    "messageId":"a5b7df3e-1b62-4af5-840b-1b5de65c2ad7"
  },
  {
    "to":"41793026785",
    "status":{
      "groupId":1,
      "groupName":"PENDING",
      "id":7,
      "name":"PENDING_ENROUTE",
      "description":"Message sent to next instance"
    },
    "smsCount":1,
    "messageId":"1877df3e-4b62-46f5-819b-14d8e65c2291"
  }
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```

<SMSResponse>
  <bulkId>1036A4cb-803a-4a73-a5a6-7e4fc3791722</bulkId>
  <messages>
    <messages>
      <to>41793026727</to>
      <status>
        <groupId>1</groupId>
        <groupName>PENDING</groupName>
        <id>7</id>
        <name>PENDING_ENROUTE</name>
        <description>Message sent to next instance</description>
      </status>
      <smsCount>1</smsCount>
      <messageId>1254df3e-ab62-15af5-230b-14d8e65c7540</messageId>
    
```

```

</messages>
<messages>
  <to>41793026731</to>
  <status>
    <groupId>1</groupId>
    <groupName>PENDING</groupName>
    <id>7</id>
    <name>PENDING_ENROUTE</name>
    <description>Message sent to next instance</description>
  </status>
  <smsCount>1</smsCount>
  <messageId>a5b7df3e-1b62-4af5-840b-1b5de65c2ad7</messageId>
</messages>
<messages>
  <to>41793026785</to>
  <status>
    <groupId>1</groupId>
    <groupName>PENDING</groupName>
    <id>7</id>
    <name>PENDING_ENROUTE</name>
    <description>Message sent to next instance</description>
  </status>
  <smsCount>1</smsCount>
  <messageId>1877df3e-4b62-46f5-819b-14d8e65c2291</messageId>
</messages>
</messages>
</SMSResponse>

```

## Delivery reports

*This method allows you to get one time delivery reports for sent SMS.*

### Definition

```
http://107.20.199.106/restapi/sms/1/reports
```

### Parameters

| Parameter     | Type   | Description   |
|---------------|--------|---|
| <i>bulkId</i> | String | The ID that uniquely identifies the request. Bulk ID will be received only when |

you send a message to more than one destination address.

---

|                  |        |   |
|------------------|--------|---|
| <i>messageId</i> | String | The ID that uniquely identifies the message sent. |
|------------------|--------|---|

---

|              |        |  |
|--------------|--------|--|
| <i>limit</i> | String | The maximum number of returned delivery reports. |
|--------------|--------|--|

---

## Examples

```
GET /restapi/sms/1/reports HTTP/1.1  
Host: 107.20.199.106  
Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==  
Accept: application/json
```

### Result Format

```
{  
  "results": [  
    {  
      "bulkId": "8c20f086-d82b-48cc-b2b3-3ca5f7aca9fb",  
      "messageId": "ff4804ef-6ab6-4abd-984d-ab3b1387e852",  
      "to": "385981178",  
      "sentAt": "2015-02-12T09:58:20.323+0100",  
      "doneAt": "2015-02-12T09:58:20.337+0100",  
      "smsCount": 1,  
      "price": {  
        "pricePerMessage": 0.01,  
        "currency": "EUR"  
      },  
      "status": {  
        "id": 5,  
        "groupId": 3,  
        "groupName": "DELIVERED",  
        "name": "DELIVERED_TO_HANDSET",  
        "description": "Message delivered to handset"  
      },  
      "error": {  
        "groupId": 0,  
        "groupName": "OK",  
        "id": 0,  
        "name": "NO_ERROR",  
        "description": "No Error",  
      }  
    }  
  ]  
}
```

```
    "permanent": false
  }
}
]
```

## Response format

On success, response header HTTP status code will be `200 OK` and delivery reports will be returned in the response body.

If you try to send a message without authorization, you will get a response with HTTP status code `401 Unauthorized`.

### SMSReportResponse

| Parameter      | Type            | Description                                   |
|----------------|-----------------|---|
| <i>results</i> | SentSMSReport[] | Collection of reports, one per every message. |

### SentSMSReport

| Parameter        | Type   | Description  |
|------------------|--------|--|
| <i>bulkId</i>    | String | Bulk ID.   |
| <i>messageId</i> | String | Message ID.  |
| <i>to</i>        | String | Destination address.   |
| <i>sentAt</i>    | Date   | Tells when the SMS was sent. Has the following format: <code>yyyy-MM-dd'T'HH:mm:ss.SSSZ</code> .   |
| <i>doneAt</i>    | Date   | Tells when the SMS was finished processing by the platform (ie. delivered to destination, delivered to destination network, etc.)          |
| <i>smsCount</i>  | int    | Number of parts the sent SMS was split into.   |
| <i>price</i>     | Price  | Sent SMS price.  |
| <i>status</i>    | Status | Indicates whether the message is successfully sent, not sent, delivered, not delivered, waiting for delivery or any other possible status. |

|              |       |  |
|--------------|-------|--|
| <i>error</i> | Error | Indicates whether the error occurred during the query execution. |
|--------------|-------|--|

## Price

| Parameter              | Type       | Description                                   |
|------------------------|------------|---|
| <i>pricePerMessage</i> | BigDecimal | Price per one SMS.                            |
| <i>currency</i>        | String     | The currency in which the price is expressed. |

## Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

## Error

| Parameter          | Type    | Description                              |
|--------------------|---------|--|
| <i>groupId</i>     | int     | Error group ID.                          |
| <i>groupName</i>   | String  | Error group name.                        |
| <i>id</i>          | int     | Error ID.                                |
| <i>name</i>        | String  | Error name.                              |
| <i>description</i> | String  | Human readable description of the error. |
| <i>permanent</i>   | boolean | Tells if the error is permanent.         |

Additional examples

## Getting reports without any query parameter

### Request

#### JSON

```
GET /restapi/sms/1/reports HTTP/1.1  
Host: 107.20.199.106  
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==  
Accept: application/json
```

#### XML

```
GET /restapi/sms/1/reports HTTP/1.1  
Host: 107.20.199.106  
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==  
Accept: application/xml
```

#### cURL

```
curl -X GET \  
-H 'Accept: application/json' \  
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==" \  
http://107.20.199.106/restapi/sms/1/reports
```

#### PHP

```
<?php  
  
$request = new HttpRequest();  
$request->setUrl('http://107.20.199.106/restapi/sms/1/reports');  
$request->setMethod(HTTP_METH_GET);  
  
$request->setHeaders(array(  
    'accept' => 'application/json',  
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
));  
  
try {  
    $response = $request->send();
```



```
echo $response->getBody();  
} catch (HttpException $ex) {  
    echo $ex;  
}
```

### *Ruby*

```
require 'uri'  
require 'net/http'  
  
url = URI("http://107.20.199.106/restapi/sms/1/reports")  
  
http = Net::HTTP.new(url.host, url.port)  
http.use_ssl = true  
http.verify_mode = OpenSSL::SSL::VERIFY_NONE  
  
request = Net::HTTP::Get.new(url)  
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
request["accept"] = 'application/json'  
  
response = http.request(request)  
puts response.read_body
```

### *Python*

```
import http.client  
  
conn = http.client.httpConnection("107.20.199.106")  
  
headers = {  
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",  
    'accept': "application/json"  
}  
  
conn.request("GET", "/restapi/sms/1/reports", headers=headers)  
  
res = conn.getresponse()  
data = res.read()  
  
print(data.decode("utf-8"))
```

### *Java*

---

```
HttpResponse<String> response =  
Unirest.get("http://107.20.199.106/restapi/sms/1/reports")  
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")  
    .header("accept", "application/json")  
    .asString();
```

C#

```
var client = new  
RestClient("http://107.20.199.106/restapi/sms/1/reports");  
  
var request = new RestRequest(Method.GET);  
request.AddHeader("accept", "application/json");  
request.AddHeader("authorization", "Basic  
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");  
  
IRestResponse response = client.Execute(request);
```

JavaScript

```
var data = null;  
  
var xhr = new XMLHttpRequest();  
xhr.withCredentials = true;  
  
xhr.addEventListener("readystatechange", function () {  
    if (this.readyState === this.DONE) {  
        console.log(this.responseText);  
    }  
});  
  
xhr.open("GET", "http://107.20.199.106/restapi/sms/1/reports");  
xhr.setRequestHeader("authorization", "Basic  
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");  
xhr.setRequestHeader("accept", "application/json");  
  
xhr.send(data);
```

**Response**

JSON

HTTP/1.1 200 OK

Content-Type: application/json

```
{
  "results": [
    {
      "bulkId": "8c20f086-d82b-48cc-b2b3-3ca5f7aca9fb",
      "messageId": "ff4804ef-6ab6-4abd-984d-ab3b1387e852",
      "to": "385981178",
      "sentAt": "2015-02-12T09:58:20.323+0100",
      "doneAt": "2015-02-12T09:58:20.337+0100",
      "smsCount": 1,
      "price": {
        "pricePerMessage": 0.01,
        "currency": "EUR"
      },
      "status": {
        "id": 5,
        "groupId": 3,
        "groupName": "DELIVERED",
        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
      },
      "error": {
        "groupId": 0,
        "groupName": "OK",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
      }
    }
  ]
}
```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<SMSReportResponse>

<results>

<bulkId>8c20f086-d82b-48cc-b2b3-3ca5f7aca9fb</bulkId>

<messageId>ff4804ef-6ab6-4abd-984d-ab3b1387e852</messageId>

```
<to>385981178</to>
<sentAt>2015-02-12T09:58:20.323+0100</sentAt>
<doneAt>2015-02-12T09:58:20.337+0100</doneAt>
<smsCount>1</smsCount>
<price>
  <pricePerMessage>0.01</pricePerMessage>
  <currency>EUR</currency>
</price>
<status>
  <id>5</id>
  <groupId>3</groupId>
  <groupName>DELIVERED</groupName>
  <name>DELIVERED_TO_HANDSET</name>
  <description>Message delivered to handset</description>
</status>
</results>
</SMSReportResponse>
```

Getting the initial two delivery reports

## Request

*JSON*

```
GET /restapi/sms/1/reports?limit=2 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/json
```

*XML*

```
GET /restapi/sms/1/reports?limit=2 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/xml
```

*cURL*

```
curl -X GET
-H 'Accept: application/json'
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=="
```

```
http://107.20.199.106/restapi/sms/1/reports?limit=2
```

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/reports');
$request->setMethod(HTTP_METH_GET);

$request->setQueryData(array(
    'limit' => '2'
));

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}
```

## Ruby

```
require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/reports?limit=2")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Get.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'

response = http.request(request)
```

```
puts response.read_body
```

### *Python*

```
import http.client

conn = http.client.httpConnection("107.20.199.106")

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json"
}

conn.request("GET", "/restapi/sms/1/reports?limit=2", headers=headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))
```

### *Java*

```
HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/sms/1/reports?limit=2")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();
```

### *C#*

```
var client = new
RestClient("http://107.20.199.106/restapi/sms/1/reports?limit=2");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);
```

### *JavaScript*

```
var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("GET", "http://107.20.199.106/restapi/sms/1/reports?limit=2");
xhr.setRequestHeader("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);
```

## Response

JSON

HTTP/1.1 200 OK

Content-Type: application/json

```
{
  "results": [
    {
      "bulkId": "80664c0c-e1ca-414d-806a-5caf146463df",
      "messageId": "bcfb828b-7df9-4e7b-8715-f34f5c61271a",
      "to": "38598111",
      "sentAt": "2015-02-12T09:58:20.323+0100",
      "doneAt": "2015-02-12T09:58:20.337+0100",
      "smsCount": 1,
      "price": {
        "pricePerMessage": 0.01,
        "currency": "EUR"
      },
      "status": {
        "groupId": 3,
        "groupName": "DELIVERED",
        "id": 5,
        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
      }
    }
  ]
}
```

```

    },
    "error":{
        "groupId":0,
        "groupName":"OK",
        "id":0,
        "name":"NO_ERROR",
        "description":"No Error",
        "permanent":false
    }
},
{
    "bulkId":"08fe4407-c48f-4d4b-a2f4-9ff583c985b8",
    "messageId":"12db39c3-7822-4e72-a3ec-c87442c0ffc5",
    "to":"385981112",
    "sentAt":"2015-02-12T09:58:20.345+0100",
    "doneAt":"2015-02-12T09:58:20.350+0100",
    "smsCount":1,
    "price":{
        "pricePerMessage":0.01,
        "currency":"EUR"
    },
    "status":{
        "groupId":3,
        "groupName":"DELIVERED",
        "id":5,
        "name":"DELIVERED_TO_HANDSET",
        "description":"Message delivered to handset"
    },
    "error":{
        "groupId":0,
        "groupName":"OK",
        "id":0,
        "name":"NO_ERROR",
        "description":"No Error",
        "permanent":false
    }
}
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml



<SMSReportResponse>

<results>

<bulkId>80664c0c-e1ca-414d-806a-5caf146463df</bulkId>  
<messageId>bcfb828b-7df9-4e7b-8715-f34f5c61271a</messageId>  
<to>38598111</to>  
<sentAt>2015-02-12T09:58:20.323+0100</sentAt>  
<doneAt>2015-02-12T09:58:20.337+0100</doneAt>  
<smsCount>1</smsCount>  
<price>  
  <pricePerMessage>0.01</pricePerMessage>  
  <currency>EUR</currency>  
</price>  
<status>  
  <groupId>3</groupId>  
  <groupName>DELIVERED</groupName>  
  <id>5</id>  
  <name>DELIVERED\_TO\_HANDSET</name>  
  <description>Message delivered to handset</description>  
</status>

<error>

  <groupId>0</groupId>  
  <groupName>OK</groupName>  
  <id>0</id>  
  <name>NO\_ERROR</name>  
  <description>No Error</description>  
  <permanent>>false</permanent>

</error>

</results>

<results>

<bulkId>08fe4407-c48f-4d4b-a2f4-9ff583c985b8</bulkId>  
<messageId>12db39c3-7822-4e72-a3ec-c87442c0ffc5</messageId>  
<to>385981112</to>  
<sentAt>2015-02-12T09:58:20.345+0100</sentAt>  
<doneAt>2015-02-12T09:58:20.350+0100</doneAt>  
<smsCount>1</smsCount>  
<price>  
  <pricePerMessage>0.01</pricePerMessage>  
  <currency>EUR</currency>  
</price>  
<status>  
  <groupId>3</groupId>  
  <groupName>DELIVERED</groupName>  
  <id>5</id>  
  <name>DELIVERED\_TO\_HANDSET</name>  
  <description>Message delivered to handset</description>

```
</status>
<error>
  <groupId>0</groupId>
  <groupName>OK</groupName>
  <id>0</id>
  <name>NO_ERROR</name>
  <description>No Error</description>
  <permanent>false</permanent>
</error>
</results>
</SMSReportResponse>
```

## Sent messages logs

*This method allows you to get logs for sent SMS.*

### Definition

```
http://107.20.199.106/restapi/sms/1/logs
```

### Parameters

| Parameter            | Type     | Description   |
|----------------------|----------|---|
| <i>from</i>          | String   | Sender ID that can be alphanumeric or numeric.  |
| <i>to</i>            | String   | The message destination address.  |
| <i>bulkId</i>        | String   | The ID that uniquely identifies the request. Bulk ID will be received only when you send a message to more than one destination address.                          |
| <i>messageId</i>     | String   | The ID that uniquely identifies the message sent.   |
| <i>generalStatus</i> | String   | Sent SMS status group. Indicates whether the message is successfully sent, not sent, delivered, not delivered, waiting for delivery or any other possible status. |
| <i>sentSince</i>     | DateTime | Lower limit on date and time of sending SMS.  |
| <i>sentUntil</i>     | DateTime | Upper limit on date and time of sending SMS.  |
| <i>limit</i>         | Integer  | Maximal number of messages in returned logs.  |

|            |        |                      |
|------------|--------|----------------------|
| <i>mcc</i> | String | Mobile country code. |
| <i>mnc</i> | String | Mobile network code. |

## Examples

**GET /restapi/sms/1/logs HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvVGluIHNLc2FtZQ==

Accept: application/json

### Result Format

```
{
  "results":[
    {
      "bulkId":"06479ba3-5977-47f6-9346-fee0369bc76b",
      "messageId":"1f21d8d7-f306-4f53-9f6e-eddfce9849ea",
      "to":"41793026727",
      "from":"InfoSMS",
      "text":"Test SMS.",
      "sentAt":"2015-02-23T17:40:31.773+0100",
      "doneAt":"2015-02-23T17:40:31.787+0100",
      "smsCount":1,
      "mccmnc":"22801",
      "price":{
        "pricePerMessage":0.01,
        "currency":"EUR"
      },
      "status":{
        "groupId":3,
        "groupName":"DELIVERED",
        "id":5,
        "name":"DELIVERED_TO_HANDSET",
        "description":"Message delivered to handset"
      },
      "error":{
        "groupId":0,
        "groupName":"OK",
        "id":0,
        "name":"NO_ERROR",

```

```
        "description": "No Error",
        "permanent": false
    }
}
]
```

## Response format

### Important:

**SMS logs are available for the last 48 hours!**

If successful, response header HTTP status code will be `200 OK` and the message logs will be returned.

If you try to send message without authorization, you will get a response with HTTP status code `401 Unauthorized`.

### SMSLogsResponse

| Parameter      | Type         | Description         |
|----------------|--------------|---------------------|
| <i>results</i> | SentSMSLog[] | Collection of logs. |

### SentSMSLog

| Parameter        | Type   | Description  |
|------------------|--------|--|
| <i>bulkId</i>    | String | The ID that uniquely identifies the request.   |
| <i>messageId</i> | String | The ID that uniquely identifies the message sent.  |
| <i>to</i>        | String | The message destination address.   |
| <i>from</i>      | String | Sender ID that can be alphanumeric or numeric.   |
| <i>text</i>      | String | Text of the message that was sent.   |
| <i>sentAt</i>    | Date   | Tells when the SMS was sent. Has the following format: <code>yyyy-MM-dd'T'HH:mm:ss.SSSZ</code> . |

|                 |        |  |
|-----------------|--------|--|
| <i>doneAt</i>   | Date   | Tells when the SMS was finished processing by the platform (ie. delivered to destination, delivered to destination network, etc.)          |
| <i>smsCount</i> | int    | The number of sent message segments.   |
| <i>mccmnc</i>   | String | Mobile country and network codes.  |
| <i>price</i>    | Price  | Sent SMS price.  |
| <i>status</i>   | Status | Indicates whether the message is successfully sent, not sent, delivered, not delivered, waiting for delivery or any other possible status. |
| <i>error</i>    | Error  | Indicates whether the error occurred during the query execution.   |

## Price

| Parameter              | Type       | Description                                   |
|------------------------|------------|---|
| <i>pricePerMessage</i> | BigDecimal | Price per one SMS.                            |
| <i>currency</i>        | String     | The currency in which the price is expressed. |

## Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

## Error

| Parameter        | Type   | Description       |
|------------------|--------|-------------------|
| <i>groupId</i>   | int    | Error group ID.   |
| <i>groupName</i> | String | Error group name. |

|                    |         |  |
|--------------------|---------|--|
| <i>id</i>          | int     | Error ID.                                |
| <i>name</i>        | String  | Error name.                              |
| <i>description</i> | String  | Human readable description of the error. |
| <i>permanent</i>   | boolean | Tells if the error is permanent.         |

## Additional examples

Getting logs without any query parameter

### Request

*JSON*

```
GET /restapi/sms/1/logs HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/json
```

*XML*

```
GET /restapi/sms/1/logs HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/xml
```

*cURL*

```
curl -X GET
-H 'Accept: application/json'
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
http://107.20.199.106/restapi/sms/1/logs
```

*PHP*

```
<?php
```

```

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/logs');
$request->setMethod(HTTP_METH_GET);

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}

```

### *Ruby*

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/logs")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Get.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'

response = http.request(request)
puts response.read_body

```

### *Python*

```

import http.client

conn = http.client.httpConnection("107.20.199.106")

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",

```

```

    'accept': "application/json"
  }

  conn.request("GET", "/restapi/sms/1/logs", headers=headers)

  res = conn.getResponse()
  data = res.read()

  print(data.decode("utf-8"))

```

## Java

```

HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/sms/1/logs")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();

```

## C#

```

var client = new RestClient("http://107.20.199.106/restapi/sms/1/logs");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);

```

## JavaScript

```

var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
  if (this.readyState === this.DONE) {
    console.log(this.responseText);
  }
});

```



```
xhr.open("GET", "http://107.20.199.106/restapi/sms/1/logs");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);
```

## Response

JSON

**HTTP/1.1 200 OK**

Content-Type: application/json

```
{
  "results": [
    {
      "bulkId": "bafdeb3d-719b-4cce-8762-54d47b40f3c5",
      "messageId": "07e03aae-fabc-44ad-b1ce-222e14094d70",
      "to": "41793026727",
      "from": "InfoSMS",
      "text": "Test SMS.",
      "sentAt": "2015-02-23T17:41:11.833+0100",
      "doneAt": "2015-02-23T17:41:11.843+0100",
      "smsCount": 1,
      "mccmnc": "22801",
      "price": {
        "pricePerMessage": 0.01,
        "currency": "EUR"
      },
      "status": {
        "groupId": 3,
        "groupName": "DELIVERED",
        "id": 5,
        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
      },
      "error": {
        "groupId": 0,
        "groupName": "OK",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
      }
    }
  ]
}
```

```

    },
    {
      "bulkId": "06479ba3-5977-47f6-9346-fee0369bc76b",
      "messageId": "1f21d8d7-f306-4f53-9f6e-eddfce9849ea",
      "to": "41793026727",
      "from": "InfoSMS",
      "text": "Test SMS.",
      "sentAt": "2015-02-23T17:40:31.773+0100",
      "doneAt": "2015-02-23T17:40:31.787+0100",
      "smsCount": 1,
      "mccmnc": "22801",
      "price": {
        "pricePerMessage": 0.01,
        "currency": "EUR"
      },
      "status": {
        "groupId": 3,
        "groupName": "DELIVERED",
        "id": 5,
        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
      },
      "error": {
        "groupId": 0,
        "groupName": "OK",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
      }
    }
  ]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<SMSLogsResponse>

<results>

<results>

<bulkId>7944c32d-bf77-4f41-a752-c3aa89027adc</bulkId>

<messageId>f97d3b99-fab2-468e-8acf-c8c8792b8ce6</messageId>

```
<to>41793026727</to>
<from>InfoSMS</from>
<text>Test SMS.</text>
<sentAt>2015-02-23T17:41:18.020+0100</sentAt>
<doneAt>2015-02-23T17:41:18.027+0100</doneAt>
<smsCount>1</smsCount>
<mccmnc>22801</mccmnc>
<price>
  <pricePerMessage>0.0100</pricePerMessage>
  <currency>EUR</currency>
</price>
<status>
  <groupId>3</groupId>
  <groupName>DELIVERED</groupName>
  <id>5</id>
  <name>DELIVERED_TO_HANDSET</name>
  <description>Message delivered to handset</description>
</status>
<error>
  <groupId>0</groupId>
  <groupName>0k</groupName>
  <id>0</id>
  <name>NO_ERROR</name>
  <description>No Error</description>
  <permanent>false</permanent>
</error>
</results>
<results>
  <bulkId>bafdeb3d-719b-4cce-8762-54d47b40f3c5</bulkId>
  <messageId>07e03aae-fabc-44ad-b1ce-222e14094d70</messageId>
  <to>41793026727</to>
  <from>InfoSMS</from>
  <text>Test SMS.</text>
  <sentAt>2015-02-23T17:41:11.833+0100</sentAt>
  <doneAt>2015-02-23T17:41:11.843+0100</doneAt>
  <smsCount>1</smsCount>
  <mccmnc>22801</mccmnc>
  <price>
    <pricePerMessage>0.0100</pricePerMessage>
    <currency>EUR</currency>
  </price>
  <status>
    <groupId>3</groupId>
    <groupName>DELIVERED</groupName>
    <id>5</id>
    <name>DELIVERED_TO_HANDSET</name>
```

```
        <description>Message delivered to handset</description>
    </status>
    <error>
        <groupId>0</groupId>
        <groupName>0k</groupName>
        <id>0</id>
        <name>NO_ERROR</name>
        <description>No Error</description>
        <permanent>false</permanent>
    </error>
</results>
</results>
</SMSLogsResponse>
```

Getting logs with `from`, `to` and `limit` as filters

## Request

### JSON

```
GET /restapi/sms/1/logs?from=InfoSMS&to=41793026727&limit=1 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcmVudHJlc2FtZQ==
Accept: application/json
```

### XML

```
POST /restapi/sms/1/logs?from=InfoSMS&to=41793026727&limit=1 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcmVudHJlc2FtZQ==
Accept: application/xml
```

### cURL

```
curl -X GET \
-H 'Accept: application/json' \
-H 'Authorization: Basic QWxhZGRpbjpvcmVudHJlc2FtZQ==' \
http://107.20.199.106/restapi/sms/1/logs?
from=InfoSMS&to=41793026727&limit=1
```

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/logs');
$request->setMethod(HTTP_METH_GET);

$request->setQueryData(array(
    'from' => 'InfoSMS',
    'to' => '41793026727',
    'limit' => '1'
));

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}
```

## Ruby

```
require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/logs?
from=InfoSMS&to=41793026727&limit=1")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Get.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'

response = http.request(request)
```

```
puts response.read_body
```

## *Python*

```
import http.client

conn = http.client.httpConnection("107.20.199.106")

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json"
}

conn.request("GET", "/restapi/sms/1/logs?
from=InfoSMS&to=41793026727&limit=1", headers=headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))
```

## *Java*

```
HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/sms/1/logs?
from=InfoSMS&to=41793026727&limit=1")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();
```

## *C#*

```
var client = new RestClient("http://107.20.199.106/restapi/sms/1/logs?
from=InfoSMS&to=41793026727&limit=1");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);
```

```
var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("GET", "http://107.20.199.106/restapi/sms/1/logs?
from=InfoSMS&to=41793026727&limit=1");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);
```

## Response

JSON

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "results": [
    {
      "bulkId": "82d1d36e-e4fb-4194-8b93-caeb053bd327",
      "messageId": "fc0cbfb8-7a72-40da-a76d-e2c2d9400835",
      "to": "41793026727",
      "from": "InfoSMS",
      "text": "Test SMS.",
      "sentAt": "2015-02-23T17:42:05.390+0100",
      "doneAt": "2015-02-23T17:42:05.390+0100",
      "smsCount": 1,
      "mccmnc": "22801",
      "price": {
        "pricePerMessage": 0,
        "currency": "EUR"
      },
    },
  ],
}
```

```

    "status":{
      "groupId":5,
      "groupName":"REJECTED",
      "id":6,
      "name":"REJECTED_NETWORK",
      "description":"Network is forbidden",
      "action":"Contact account manager"
    },
    "error":{
      "groupId":0,
      "groupName":"OK",
      "id":0,
      "name":"NO_ERROR",
      "description":"No Error",
      "permanent":false
    }
  }
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<SMSLogsResponse>

<results>

<results>

<bulkId>82d1d36e-e4fb-4194-8b93-caeb053bd327</bulkId>

<messageId>fc0cbfb8-7a72-40da-a76d-e2c2d9400835</messageId>

<to>41793026727</to>

<from>InfoSMS</from>

<text>Test SMS.</text>

<sentAt>2015-02-23T17:42:05.390+0100</sentAt>

<doneAt>2015-02-23T17:42:05.390+0100</doneAt>

<smsCount>1</smsCount>

<mccmnc>22801</mccmnc>

<price>

<pricePerMessage>0.0000</pricePerMessage>

<currency>EUR</currency>

</price>

<status>

<groupId>5</groupId>

<groupName>REJECTED</groupName>



```

        <id>6</id>
        <name>REJECTED_NETWORK</name>
        <description>Network is forbidden</description>
        <action>Contact account manager</action>
    </status>
    <error>
        <groupId>0</groupId>
        <groupName>OK</groupName>
        <id>0</id>
        <name>NO_ERROR</name>
        <description>No Error</description>
        <permanent>false</permanent>
    </error>
</results>
</results>
</SMSLogsResponse>

```

Getting logs with multiple `bulkIds` as filters

## Request

JSON

```

GET /restapi/sms/1/logs?bulkId=1dece649-6c8f-404e-8c6e-
c7e073be509a,bafdeb3d-719b-4cce-8762-54d47b40f3c5 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==
Accept: application/json

```

XML

```

POST /restapi/sms/1/logs?bulkId=1dece649-6c8f-404e-8c6e-
c7e073be509a,bafdeb3d-719b-4cce-8762-54d47b40f3c5 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==
Accept: application/xml

```

cURL

```

curl -X GET
-H 'Accept: application/json'

```

```
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
http://107.20.199.106/restapi/sms/1/logs?bulkId=1dece649-6c8f-404e-8c6e-  
c7e073be509a,bafdeb3d-719b-4cce-8762-54d47b40f3c5
```

## PHP

```
<?php  
  
$request = new HttpRequest();  
$request->setUrl('http://107.20.199.106/restapi/sms/1/logs');  
$request->setMethod(HTTP_METH_GET);  
  
$request->setQueryData(array(  
    'bulkId' => '1dece649-6c8f-404e-8c6e-c7e073be509a,bafdeb3d-719b-4cce-  
8762-54d47b40f3c5'  
));  
  
$request->setHeaders(array(  
    'accept' => 'application/json',  
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
));  
  
try {  
    $response = $request->send();  
  
    echo $response->getBody();  
} catch (HttpException $ex) {  
    echo $ex;  
}
```

## Ruby

```
require 'uri'  
require 'net/http'  
  
url = URI("http://107.20.199.106/restapi/sms/1/logs?bulkId=1dece649-  
6c8f-404e-8c6e-c7e073be509a%2Cbafdeb3d-719b-4cce-8762-54d47b40f3c5")  
  
http = Net::HTTP.new(url.host, url.port)  
http.use_ssl = true  
http.verify_mode = OpenSSL::SSL::VERIFY_NONE  
  
request = Net::HTTP::Get.new(url)
```

```
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'

response = http.request(request)
puts response.read_body
```

## *Python*

```
import http.client

conn = http.client.httpConnection("107.20.199.106")

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json"
}

conn.request("GET", "/restapi/sms/1/logs?bulkId=1dece649-6c8f-404e-8c6e-c7e073be509a%2Cbafdeb3d-719b-4cce-8762-54d47b40f3c5", headers=headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))
```

## *Java*

```
HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/sms/1/logs?bulkId=1dece649-6c8f-404e-8c6e-c7e073be509a%2Cbafdeb3d-719b-4cce-8762-54d47b40f3c5")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();
```

## *C#*

```
var client = new RestClient("http://107.20.199.106/restapi/sms/1/logs?bulkId=1dece649-6c8f-404e-8c6e-c7e073be509a%2Cbafdeb3d-719b-4cce-8762-54d47b40f3c5");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
```

```
request.AddHeader("authorization", "Basic  
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");  
  
IRestResponse response = client.Execute(request);
```

### JavaScript

```
var data = null;  
  
var xhr = new XMLHttpRequest();  
xhr.withCredentials = true;  
  
xhr.addEventListener("readystatechange", function () {  
    if (this.readyState === this.DONE) {  
        console.log(this.responseText);  
    }  
});  
  
xhr.open("GET", "http://107.20.199.106/restapi/sms/1/logs?  
bulkId=1dece649-6c8f-404e-8c6e-c7e073be509a%2Cbafdeb3d-719b-4cce-8762-  
54d47b40f3c5");  
xhr.setRequestHeader("authorization", "Basic  
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");  
xhr.setRequestHeader("accept", "application/json");  
  
xhr.send(data);
```

### Response

#### JSON

```
HTTP/1.1 200 OK  
Content-Type: application/json  
  
{  
  "results": [  
    {  
      "bulkId": "bafdeb3d-719b-4cce-8762-54d47b40f3c5",  
      "messageId": "07e03aae-fabc-44ad-b1ce-222e14094d70",  
      "to": "41793026727",  
      "from": "InfoSMS",  
      "text": "Test SMS.",  
      "sentAt": "2015-02-23T17:41:11.833+0100",
```

```
"doneAt":"2015-02-23T17:41:11.843+0100",
"smsCount":1,
"mccmnc":"22801",
"price":{
  "pricePerMessage":0.01,
  "currency":"EUR"
},
"status":{
  "groupId":3,
  "groupName":"DELIVERED",
  "id":5,
  "name":"DELIVERED_TO_HANDSET",
  "description":"Message delivered to handset"
},
"error":{
  "groupId":0,
  "groupName":"OK",
  "id":0,
  "name":"NO_ERROR",
  "description":"No Error",
  "permanent":false
}
},
{
  "bulkId":"1dece649-6c8f-404e-8c6e-c7e073be509a",
  "messageId":"faa48fe6-fe2c-4f36-a43b-a070e2906ecb",
  "to":"41793026727",
  "from":"InfoSMS",
  "text":"Test SMS.",
  "sentAt":"2015-02-23T16:22:37.413+0100",
  "doneAt":"2015-02-23T16:22:37.437+0100",
  "smsCount":1,
  "mccmnc":"22801",
  "price":{
    "pricePerMessage":0,
    "currency":"EUR"
  },
  "status":{
    "groupId":2,
    "groupName":"UNDELIVERABLE",
    "id":9,
    "name":"UNDELIVERABLE_NOT_DELIVERED",
    "description":"Message sent not delivered"
  },
  "error":{
    "groupId":0,
```

```

        "groupName":"OK",
        "id":0,
        "name":"NO_ERROR",
        "description":"No Error",
        "permanent":false
    }
}
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<SMSLogsResponse>

<results>

<results>

<bulkId>bafdeb3d-719b-4cce-8762-54d47b40f3c5</bulkId>

<messageId>07e03aae-fabc-44ad-b1ce-222e14094d70</messageId>

<to>41793026727</to>

<from>InfoSMS</from>

<text>Test SMS.</text>

<sentAt>2015-02-23T17:41:11.833+0100</sentAt>

<doneAt>2015-02-23T17:41:11.843+0100</doneAt>

<smsCount>1</smsCount>

<mccmnc>22801</mccmnc>

<price>

<pricePerMessage>0.0100</pricePerMessage>

<currency>EUR</currency>

</price>

<status>

<groupId>3</groupId>

<groupName>DELIVERED</groupName>

<id>5</id>

<name>DELIVERED\_TO\_HANDSET</name>

<description>Message delivered to handset</description>

</status>

<error>

<groupId>0</groupId>

<groupName>OK</groupName>

<id>0</id>

<name>NO\_ERROR</name>

<description>No Error</description>

```

        <permanent>>false</permanent>
    </error>
</results>
<results>
    <bulkId>1dece649-6c8f-404e-8c6e-c7e073be509a</bulkId>
    <messageId>faa48fe6-fe2c-4f36-a43b-a070e2906ecb</messageId>
    <to>41793026727</to>
    <from>InfoSMS</from>
    <text>Test SMS.</text>
    <sentAt>2015-02-23T16:22:37.413+0100</sentAt>
    <doneAt>2015-02-23T16:22:37.437+0100</doneAt>
    <smsCount>1</smsCount>
    <mccmnc>22801</mccmnc>
    <price>
        <pricePerMessage>0.0000</pricePerMessage>
        <currency>EUR</currency>
    </price>
    <status>
        <groupId>2</groupId>
        <groupName>UNDELIVERABLE</groupName>
        <id>9</id>
        <name>UNDELIVERABLE_NOT_DELIVERED</name>
        <description>Message sent not delivered</description>
    </status>
    <error>
        <groupId>0</groupId>
        <groupName>OK</groupName>
        <id>0</id>
        <name>NO_ERROR</name>
        <description>No Error</description>
        <permanent>>false</permanent>
    </error>
</results>
</results>
</SMSLogsResponse>

```

Getting logs with **date range** and **general status** as filters

## Request

JSON

```
GET /restapi/sms/1/logs?sentSince=2015-02-
```

**22T17:42:05.390%2b01:00&generalStatus=DELIVERED HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Accept: application/json

## XML

**POST /restapi/sms/1/logs?sentSince=2015-02-**

**22T17:42:05.390%2b01:00&generalStatus=DELIVERED HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Accept: application/xml

## cURL

```
curl -X GET
-H 'Accept: application/json'
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
http://107.20.199.106/restapi/sms/1/logs?sentSince=2015-02-
22T17:42:05.390%2b01:00&generalStatus=DELIVERED
```

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/logs');
$request->setMethod(HTTP_METH_GET);

$request->setQueryData(array(
    'sentSince' => '2015-02-22T17:42:05.390+01:00',
    'generalStatus' => 'DELIVERED'
));

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();
}
```



```
    echo $response->getBody();  
} catch (HttpException $ex) {  
    echo $ex;  
}
```

### *Ruby*

```
require 'uri'  
require 'net/http'  
  
url = URI("http://107.20.199.106/restapi/sms/1/logs?sentSince=2015-02-  
22T17%3A42%3A05.390%2B01%3A00&generalStatus=DELIVERED")  
  
http = Net::HTTP.new(url.host, url.port)  
http.use_ssl = true  
http.verify_mode = OpenSSL::SSL::VERIFY_NONE  
  
request = Net::HTTP::Get.new(url)  
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
request["accept"] = 'application/json'  
  
response = http.request(request)  
puts response.read_body
```

### *Python*

```
import http.client  
  
conn = http.client.HTTPConnection("107.20.199.106")  
  
headers = {  
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",  
    'accept': "application/json"  
}  
  
conn.request("GET", "/restapi/sms/1/logs?sentSince=2015-02-  
22T17%3A42%3A05.390%2B01%3A00&generalStatus=DELIVERED", headers=headers)  
  
res = conn.getresponse()  
data = res.read()  
  
print(data.decode("utf-8"))
```

## Java

```
HttpResponse<String> response =  
Unirest.get("http://107.20.199.106/restapi/sms/1/logs?sentSince=2015-02-  
22T17%3A42%3A05.390%2B01%3A00&generalStatus=DELIVERED")  
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")  
    .header("accept", "application/json")  
    .asString();
```

## C#

```
var client = new RestClient("http://107.20.199.106/restapi/sms/1/logs?  
sentSince=2015-02-  
22T17%3A42%3A05.390%2B01%3A00&generalStatus=DELIVERED");  
  
var request = new RestRequest(Method.GET);  
request.AddHeader("accept", "application/json");  
request.AddHeader("authorization", "Basic  
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");  
  
IRestResponse response = client.Execute(request);
```

## JavaScript

```
var data = null;  
  
var xhr = new XMLHttpRequest();  
xhr.withCredentials = true;  
  
xhr.addEventListener("readystatechange", function () {  
    if (this.readyState === this.DONE) {  
        console.log(this.responseText);  
    }  
});  
  
xhr.open("GET", "http://107.20.199.106/restapi/sms/1/logs?  
sentSince=2015-02-  
22T17%3A42%3A05.390%2B01%3A00&generalStatus=DELIVERED");  
xhr.setRequestHeader("authorization", "Basic  
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");  
xhr.setRequestHeader("accept", "application/json");
```

```
xhr.send(data);
```

## Response

JSON

**HTTP/1.1 200 OK**

Content-Type: **application/json**

```
{
  "results": [
    {
      "bulkId": "ce166d0e-bac7-4639-a094-52c406852afd",
      "messageId": "fdf71ada-3308-4cd1-9962-31f2b937a1d0",
      "to": "41793026727",
      "from": "InfoSMS",
      "text": "Test SMS.",
      "sentAt": "2015-02-24T10:34:56.463+0100",
      "doneAt": "2015-02-24T10:34:56.480+0100",
      "smsCount": 1,
      "mccmnc": "22801",
      "price": {
        "pricePerMessage": 0.01,
        "currency": "EUR"
      },
    },
    {
      "status": {
        "groupId": 3,
        "groupName": "DELIVERED",
        "id": 5,
        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
      },
      "error": {
        "groupId": 0,
        "groupName": "OK",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
      }
    }
  ]
}
```

HTTP/1.1 200 OK

Content-Type: application/xml

```
<SMSLogsResponse>
  <results>
    <results>
      <bulkId>ce166d0e-bac7-4639-a094-52c406852afd</bulkId>
      <messageId>fdf71ada-3308-4cd1-9962-31f2b937a1d0</messageId>
      <to>41793026727</to>
      <from>InfoSMS</from>
      <text>Test SMS.</text>
      <sentAt>2015-02-24T10:34:56.463+0100</sentAt>
      <doneAt>2015-02-24T10:34:56.480+0100</doneAt>
      <smsCount>1</smsCount>
      <mccmnc>22801</mccmnc>
      <price>
        <pricePerMessage>0.0100</pricePerMessage>
        <currency>EUR</currency>
      </price>
      <status>
        <groupId>3</groupId>
        <groupName>DELIVERED</groupName>
        <id>5</id>
        <name>DELIVERED_TO_HANDSET</name>
        <description>Message delivered to handset</description>
      </status>
      <error>
        <groupId>0</groupId>
        <groupName>OK</groupName>
        <id>0</id>
        <name>NO_ERROR</name>
        <description>No Error</description>
        <permanent>false</permanent>
      </error>
    </results>
  </results>
</SMSLogsResponse>
```

# Advanced SMS methods

## Fully featured textual message

Send advanced SMS with the all available features and parameters.

### Definition

`http://107.20.199.106/restapi/sms/1/text/advanced`

### Parameters

| Parameter              | Type     | Description  |
|------------------------|----------|--|
| <i>from</i>            | String   | Represents a sender ID which can be alphanumeric or numeric. <i>Alphanumeric</i> sender ID length should be between 3 and 11 characters (Example: <code>CompanyName</code> ). <i>Numeric</i> sender ID length should be between 3 and 14 characters.     |
| <i>to</i>              | String[] | <b>Required.</b> Array of message destination addresses. If you want to send a message to one destination, a single String is supported instead of an Array. Destination addresses must be in international format (Example: <code>41793026727</code> ). |
| <i>text</i>            | String   | Text of the message that will be sent.   |
| <i>bulkId</i>          | String   | The ID which uniquely identifies the request. Bulk ID will be received only when you send a message to <a href="#">more than one destination address</a> .   |
| <i>messageId</i>       | String   | The ID that uniquely identifies the message sent.  |
| <i>flash</i>           | Boolean  | Can be <code>true</code> or <code>false</code> . If the value is set to <code>true</code> , a flash SMS will be sent. Otherwise, a normal SMS will be sent. The default value is <code>false</code> .  |
| <i>transliteration</i> | String   | Conversion of a message text from one script to another. Possible values: <code>"TURKISH"</code> , <code>"GREEK"</code> , <code>"CYRILLIC"</code> , <code>"CENTRAL_EUROPEAN"</code> .  |
| <i>languageCode</i>    | String   | Code for language character set of a message text. Possible values: <code>TR</code> for Turkish, <code>ES</code> for Spanish and <code>PT</code> for Portuguese.   |

|                          |          |  |
|--------------------------|----------|--|
| <i>singleShift</i>       | Boolean  | Single shift table replacing the GSM 7 bit default alphabet extension table. Find more details <a href="#">here</a> .  |
| <i>lockingShift</i>      | Boolean  | Locking shift table replacing standard GSM 7 bit default alphabet table. Find more details <a href="#">here</a> .  |
| <i>notifyUrl</i>         | String   | The URL on your call back server on which the Delivery report will be sent.  |
| <i>notifyContentType</i> | String   | Preferred Delivery report content type. Can be <code>application/json</code> or <code>application/xml</code> .   |
| <i>callbackData</i>      | String   | Additional client's data that will be sent on the notifyUrl.   |
| <i>validityPeriod</i>    | Integer  | The message validity period in milliseconds. When the period expires, it will not be allowed for the message to be sent. Validity period longer than 48h is not supported (in this case, it will be automatically set to 48h). |
| <i>sendAt</i>            | DateTime | Date and time when the message is to be sent. Used for scheduled SMS (SMS not sent immediately, but at scheduled time).  |

## Examples

### JSON

**POST /restapi/sms/1/text/advanced HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvYVUHNlc2FtZQ==

Content-Type: application/json

```
{
  "bulkId": "BULK-ID-123-xyz",
  "messages": [
    {
      "from": "InfoSMS",
      "destinations": [
        {
          "to": "41793026727",
          "messageId": "MESSAGE-ID-123-xyz"
        },
        {
          "to": "41793026731"
```

```

    }
  ],
  "text": "Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli
smslerinizi rahatlıkla iletebilirsiniz.",
  "flash": false,
  "language": {
    "languageCode": "TR",
    "singleShift": true,
    "lockingShift": false
  },
  "transliteration": "TURKISH",
  "notifyUrl": "http://www.example.com/sms/advanced",
  "notifyContentType": "application/json",
  "callbackData": "DLR callback data",
  "validityPeriod": 86400000
},
{
  "from": "41793026700",
  "destinations": [
    {
      "to": "41793026785"
    }
  ],
  "text": "A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire.",
  "sendAt": "2015-07-07T17:00:00.000+01:00"
}
]
}

```

## XML

**POST /restapi/sms/1/text/advanced HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvGcGVuIHNLc2FtZQ==

Content-Type: application/xml

**<request>**

**<bulkId>**BULK-ID-123-xyz**</bulkId>**

**<messages>**

**<from>**InfoSMS**</from>**

**<destinations>**

**<to>**41793026727**</to>**

```

    <messageId>MESSAGE-ID-123-xyz</messageId>
  </destinations>
  <destinations>
    <to>41793026731</to>
  </destinations>
  <text>Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli
smslerinizi rahatlıkla iletebilirsiniz.</text>
  <flash>false</flash>
  <language>
    <languageCode>TR</languageCode>
    <singleShift>true</singleShift>
    <lockingShift>false</lockingShift>
  </language>
  <transliteration>TURKISH</transliteration>
  <notifyUrl>http://www.example.com/sms/advanced</notifyUrl>
  <notifyContentType>application/json</notifyContentType>
  <callbackData>DLR callback data</callbackData>
  <validityPeriod>86400000</validityPeriod>
</messages>
<messages>
  <from>41793026700</from>
  <destinations>
    <to>41793026785</to>
  </destinations>
  <text>A long time ago, in a galaxy far, far away... It is a period
of civil war. Rebel spaceships, striking from a hidden base, have won
their first victory against the evil Galactic Empire.</text>
  <sendAt>2015-07-07T17:00:00.000+01:00</sendAt>
</messages>
</request>

```

## cURL

```

curl -X POST \
-H 'Content-Type: application/json' \
-H 'Authorization: Basic QWxhZGRpbjpvcmGVuIHNLc2FtZQ==' \
-d '{
  "bulkId":"BULK-ID-123-xyz",
  "messages":[
    {
      "from":"InfoSMS",
      "destinations":[
        {
          "to":"41793026727",

```



```

        "messageId":"MESSAGE-ID-123-xyz"
    },
    {
        "to":"41793026731"
    }
],
    "text":"Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli
smslerinizi rahatlıkla iletebilirsiniz.",
    "flash":false,
    "language":{
        "singleShift":true,
        "lockingShift":false,
        "languageCode":"TR"
    },
    "transliteration": "TURKISH"
    "notify":true,
    "notifyUrl":"http://www.example.com/sms/advanced",
    "notifyContentType":"application/json",
    "callbackData":"DLR callback data",
    "validityPeriod": 86400000
},
{
    "from":"41793026700",
    "destinations":[
        {
            "to":"41793026785"
        }
    ],
    "text":"A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire."
},
    "sendAt":"2015-07-07T17:00:00.000+01:00"
]
}' http://107.20.199.106/restapi/sms/1/text/advanced

```

PHP

```

<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/text/advanced');
$request->setMethod(HTTP_METH_POST);

```

```
$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==',
    'content-type' => 'application/json'
));

$request->setBody('{
    "bulkId":"BULK-ID-123-xyz",
    "messages":[
        {
            "from":"InfoSMS",
            "destinations":[
                {
                    "to":"41793026727",
                    "messageId":"MESSAGE-ID-123-xyz"
                },
                {
                    "to":"41793026731"
                }
            ],
            "text":"Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli
smslerinizi rahatlıkla iletebilirsiniz.",
            "flash":false,
            "language":{"
                "languageCode":"TR",
                "singleShift":true,
                "lockingShift":false
            },
            "transliteration":"TURKISH",
            "notifyUrl":"http://www.example.com/sms/advanced",
            "notifyContentType":"application/json",
            "callbackData":"DLR callback data",
            "validityPeriod": 86400000
        },
        {
            "from":"41793026700",
            "destinations":[
                {
                    "to":"41793026785"
                }
            ],
            "text":"A long time ago, in a galaxy far, far away... It is a
period of civil war. Rebel spaceships, striking from a hidden base, have
won their first victory against the evil Galactic Empire.",
            "sendAt":"2015-07-07T17:00:00.000+01:00"
        }
    ]
}
```

```

    ]
  }');

  try {
    $response = $request->send();

    echo $response->getBody();
  } catch (HttpException $ex) {
    echo $ex;
  }

```

## Ruby

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/text/advanced")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["content-type"] = 'application/json'
request["authorization"] = 'Basic QWxhZGRpbjpvcmVudHl2FtZQ=='
request["accept"] = 'application/json'

request.body = "{ \"bulkId\": \"BULK-ID-123-xyz\", \"messages\": [ { \"from\": \"InfoSMS\", \"destinations\": [ { \"to\": \"41793026727\", \"messageId\": \"MESSAGE-ID-123-xyz\" }, { \"to\": \"41793026731\" } ], \"text\": \"Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli smslerinizi rahatlıkla iletebilirsiniz.\", \"flash\": false, \"language\": { \"languageCode\": \"TR\", \"singleShift\": true, \"lockingShift\": false }, \"transliteration\": \"TURKISH\", \"notifyUrl\": \"http://www.example.com/sms/advanced\", \"notifyContentType\": \"application/json\", \"callbackData\": \"DLR callback data\", \"validityPeriod\": 86400000 }, { \"from\": \"41793026700\", \"destinations\": [ { \"to\": \"41793026785\" } ], \"text\": \"A long time ago, in a galaxy far, far away... It is a period of civil war. Rebel spaceships, striking from a hidden base, have won their first victory against the evil Galactic Empire.\", \"n   \\t\\t\\t \\\"sendAt\": \"2015-07-07T17:00:00.000+01:00\" } ] }"

response = http.request(request)

```

```
puts response.read_body
```

## Python

```
import http.client

conn = http.client.httpConnection("107.20.199.106")

payload = "{\"bulkId\":\"BULK-ID-123-xyz\", \"messages\":\n[{\n\"from\":\"InfoSMS\", \"destinations\":[{\n\"to\":\"41793026727\", \n\"messageId\":\"MESSAGE-ID-123-xyz\", {\n\"to\":\"41793026731\"}], \n\"text\":\"Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli\nsmslerinizi rahatlıkla iletebilirsiniz.\", \"flash\":false,\n\"language\":{\"languageCode\":\"TR\", \"singleShift\":true,\n\"lockingShift\":false}, \"transliteration\":\"TURKISH\", \n\"notifyUrl\":\"http://www.example.com/sms/advanced\", \n\"notifyContentType\":\"application/json\", \"callbackData\":\"DLR\ncallback data\", \"validityPeriod\": 86400000},\n{\n\"from\":\"41793026700\", \"destinations\":[{\n\"to\":\"41793026785\"}], \n\"text\":\"A long time ago, in a galaxy far, far away... It is a period\nof civil war. Rebel spaceships, striking from a hidden base, have won\ntheir first victory against the evil Galactic Empire.\",\n\"sendAt\":\"2015-07-07T17:00:00.000+01:00\"}]]}"

headers = {\n    'content-type': "application/json",\n    'authorization': "Basic QWxhZGRpbjpvYVUHNlc2FtZQ==",\n    'accept': "application/json"\n}

conn.request("POST", "/restapi/sms/1/text/advanced", payload, headers)

res = conn.getresponse()\ndata = res.read()

print(data.decode("utf-8"))
```

## Java

```
HttpResponse<String> response =\nUnirest.post("http://107.20.199.106/restapi/sms/1/text/advanced")\n    .header("content-type", "application/json")\n    .header("authorization", "Basic QWxhZGRpbjpvYVUHNlc2FtZQ==")
```

```

.header("accept", "application/json")
.body("{\"bulkId\":\"BULK-ID-123-xyz\", \"messages\":
[{\"from\":\"InfoSMS\", \"destinations\": [{\"to\":\"41793026727\",
\"messageId\":\"MESSAGE-ID-123-xyz\", {\"to\":\"41793026731\"}],
\"text\":\"Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli
smslerinizi rahatlıkla iletebilirsiniz.\", \"flash\":false,
\"language\":{\"languageCode\":\"TR\", \"singleShift\":true,
\"lockingShift\":false}, \"transliteration\":\"TURKISH\",
\"notifyUrl\":\"http://www.example.com/sms/advanced\",
\"notifyContentType\":\"application/json\", \"callbackData\":\"DLR
callback data\", \"validityPeriod\": 86400000},
{\"from\":\"41793026700\", \"destinations\": [{\"to\":\"41793026785\"}],
\"text\":\"A long time ago, in a galaxy far, far away... It is a period
of civil war. Rebel spaceships, striking from a hidden base, have won
their first victory against the evil Galactic Empire.\"},\n \t\t\t
\"sendAt\":\"2015-07-07T17:00:00.000+01:00\"}]]}")
.asString();

```

C#

```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/text/advanced");
var request = new RestRequest(Method.POST);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvGVuIHNlc2FtZQ==");
request.AddHeader("content-type", "application/json");
request.AddParameter("application/json", "{\"bulkId\":\"BULK-ID-123-
xyz\", \"messages\": [{\"from\":\"InfoSMS\", \"destinations\":
[\"to\":\"41793026727\", \"messageId\":\"MESSAGE-ID-123-xyz\",
{\"to\":\"41793026731\"}], \"text\":\"Artık Ulusal Dil Tanımlayıcısı ile
Türkçe karakterli smslerinizi rahatlıkla iletebilirsiniz.\",
\"flash\":false, \"language\":{\"languageCode\":\"TR\",
\"singleShift\":true, \"lockingShift\":false},
\"transliteration\":\"TURKISH\",
\"notifyUrl\":\"http://www.example.com/sms/advanced\",
\"notifyContentType\":\"application/json\", \"callbackData\":\"DLR
callback data\", \"validityPeriod\": 86400000},
{\"from\":\"41793026700\", \"destinations\": [{\"to\":\"41793026785\"}],
\"text\":\"A long time ago, in a galaxy far, far away... It is a period
of civil war. Rebel spaceships, striking from a hidden base, have won
their first victory against the evil Galactic Empire.\"},\n \t\t\t
\"sendAt\":\"2015-07-07T17:00:00.000+01:00\"}]]\"",
ParameterType.RequestBody);

```

```
IRestResponse response = client.Execute(request);
```

## JavaScript

```
var data = JSON.stringify({
  "bulkId": "BULK-ID-123-xyz",
  "messages": [
    {
      "from": "InfoSMS",
      "destinations": [
        {
          "to": "41793026727",
          "messageId": "MESSAGE-ID-123-xyz"
        },
        {
          "to": "41793026731"
        }
      ],
      "text": "Artık Ulusal Dil Tanımlayıcısı ile Türkçe karakterli  
smslerinizi rahatlıkla iletebilirsiniz.",
      "flash": false,
      "language": {
        "languageCode": "TR",
        "singleShift": true,
        "lockingShift": false
      },
      "transliteration": "TURKISH",
      "notifyUrl": "http://www.example.com/sms/advanced",
      "notifyContentType": "application/json",
      "callbackData": "DLR callback data",
      "validityPeriod": 86400000
    },
    {
      "from": "41793026700",
      "destinations": [
        {
          "to": "41793026785"
        }
      ],
      "text": "A long time ago, in a galaxy far, far away... It is a  
period of civil war. Rebel spaceships, striking from a hidden base, have  
won their first victory against the evil Galactic Empire.",
      "sendAt": "2015-07-07T17:00:00.000+01:00"
    }
  ]
});
```

```

    ]
  });

  var xhr = new XMLHttpRequest();
  xhr.withCredentials = true;

  xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
      console.log(this.responseText);
    }
  });

  xhr.open("POST", "http://107.20.199.106/restapi/sms/1/text/advanced");
  xhr.setRequestHeader("content-type", "application/json");
  xhr.setRequestHeader("authorization", "Basic QWxhZGRpbjpvYVUyIHNlc2FtZQ==");
  xhr.setRequestHeader("accept", "application/json");

  xhr.send(data);

```

## Result Format

### JSON

**HTTP/1.1 200 OK**

Content-Type: application/json

```

{
  "bulkId": "BULK-ID-123-xyz",
  "messages": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 0,
        "groupName": "ACCEPTED",
        "id": 0,
        "name": "MESSAGE_ACCEPTED",
        "description": "Message accepted"
      },
      "smsCount": 1,
      "messageId": "MESSAGE-ID-123-xyz"
    },
    {
      "to": "41793026731",
      "status": {

```

```

        "groupId":0,
        "groupName":"ACCEPTED",
        "id":0,
        "name":"MESSAGE_ACCEPTED",
        "description":"Message accepted"
    },
    "smsCount":1,
    "messageId":"9304a5a3ab19-1ca1-be74-76ad87651ed25f35"
},
{
    "to":"41793026785",
    "status":{
        "groupId":0,
        "groupName":"ACCEPTED",
        "id":0,
        "name":"MESSAGE_ACCEPTED",
        "description":"Message accepted"
    },
    "smsCount":2,
    "messageId":"5f35f87a2f19-a141-43a4-91cd81b85f8c689"
}
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<SendSMSResponse>

<bulkId>BULK-ID-123-xyz</bulkId>

<messages>

<messages>

<to>41793026727</to>

<status>

<groupId>0</groupId>

<groupName>ACCEPTED</groupName>

<id>0</id>

<name>MESSAGE\_ACCEPTED</name>

<description>Message accepted</description>

</status>

<smsCount>1</smsCount>

<messageId>MESSAGE-ID-123-xyz</messageId>

</messages>



```

<messages>
  <to>41793026731</to>
  <status>
    <groupId>0</groupId>
    <groupName>ACCEPTED</groupName>
    <id>0</id>
    <name>MESSAGE_ACCEPTED</name>
    <description>Message accepted</description>
  </status>
  <smsCount>1</smsCount>
  <messageId>9304a5a3ab19-1ca1-be74-76ad87651ed25f35</messageId>
</messages>
<messages>
  <to>41793026785</to>
  <status>
    <groupId>0</groupId>
    <groupName>ACCEPTED</groupName>
    <id>0</id>
    <name>MESSAGE_ACCEPTED</name>
    <description>Message accepted</description>
  </status>
  <smsCount>2</smsCount>
  <messageId>5f35f87a2f19-a141-43a4-91cd81b85f8c689</messageId>
</messages>
</messages>
</SendSMSResponse>

```

## Response format

If successful, response header HTTP status code will be `200 OK` and the message will be sent.

If you try to send the message without authorization, you will receive an `401 Unauthorized` error.

### SMSResponse

| Parameter       | Type                 | Description  |
|-----------------|----------------------|--|
| <i>bulkId</i>   | String               | The ID that uniquely identifies the request. Bulk ID will be received only when a message is sent to <a href="#">more than one destination address</a> . |
| <i>messages</i> | SMSResponseDetails[] | Array of sent message objects, one object per every message.   |

## SMSResponseDetails

| Parameter        | Type   | Description  |
|------------------|--------|--|
| <i>to</i>        | String | The message destination address.   |
| <i>status</i>    | Status | Indicates whether the message is sent successfully, not sent, delivered, not delivered, waiting for delivery or any other possible status. |
| <i>smsCount</i>  | int    | The number of sent message segments.   |
| <i>messageId</i> | String | The ID that uniquely identifies the sent message.  |

## Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

# Get account balance

*This method allows you to get your account balance.*

## Definition

```
http://107.20.199.106/restapi/account/1/balance
```

## Examples

*JSON*

**GET /restapi/account/1/balance HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Accept: application/json

*XML*

**GET /restapi/account/1/balance HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Accept: application/xml

*cURL*

```
curl -X GET \  
-H 'Accept: application/json' \  
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==" \  
http://107.20.199.106/restapi/account/1/balance
```

*PHP*

```
<?php  
  
$request = new HttpRequest();  
$request->setUrl('http://107.20.199.106/restapi/account/1/balance');  
$request->setMethod(HTTP_METH_GET);  
  
$request->setHeaders(array(  
    'accept' => 'application/json',  
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
));  
  
try {  
    $response = $request->send();  
  
    echo $response->getBody();  
} catch (HttpException $ex) {  
    echo $ex;  
}
```

## Ruby

```
require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/account/1/balance")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Get.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'

response = http.request(request)
puts response.read_body
```

## Python

```
import http.client

conn = http.client.HTTPConnection("107.20.199.106")

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json"
}

conn.request("GET", "/restapi/account/1/balance", headers=headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))
```

## Java

```
HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/account/1/balance")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
```

```
.asString();
```

C#

```
var client = new
RestClient("http://107.20.199.106/restapi/account/1/balance");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvYGVuIHNLc2FtZQ==");

IRestResponse response = client.Execute(request);
```

JavaScript

```
var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("GET", "http://107.20.199.106/restapi/account/1/balance");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvYGVuIHNLc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);
```

## Result Format

JSON

```
HTTP/1.1 200 OK
Content-Type: application/json

{
```

```
"balance": 47.79134,  
"currency": "EUR"  
}
```

XML

```
HTTP/1.1 200 OK  
Content-Type: application/xml  
  
<AccountBalance>  
  <balance>47.79134</balance>  
  <currency>EUR</currency>  
</AccountBalance>
```

## Response format

On success, response header HTTP status code will be `200 OK` and delivery reports will be returned in the response body.

If you try to send a message without authorization, you will get a response with HTTP status code `401 Unauthorized`.

### AccountBalance

| Parameter       | Type   | Description   |
|-----------------|--------|---|
| <i>balance</i>  | Double | Account balance.  |
| <i>currency</i> | String | The currency in which the account balance is expressed. |

## Receive SMS

## Pull received messages

*This method allows you to pull received messages one time.*

## Definition

```
http://107.20.199.106/restapi/sms/1/inbox/reports
```

## Parameters

| Parameter    | Type    | Description  |
|--------------|---------|--|
| <i>limit</i> | Integer | Maximum number of received messages that will be returned. |

## Examples

**GET /restapi/sms/1/inbox/reports HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcmVudHJlc2FtZQ==

Accept: application/json

## Result Format

```
{
  "results": [
    {
      "messageId": "ff4804ef-6ab6-4abd-984d-ab3b1387e823",
      "from": "38598111",
      "to": "41793026727",
      "text": "KEY Test message",
      "cleanText": "Test message",
      "keyword": "KEY",
      "receivedAt": "2015-02-15T11:43:20.254+0100",
      "smsCount": 1
    }
  ]
}
```

### Important:

In order to pull received messages, first you need a phone number and to **setup a pull action** on that number. Once you retrieve a received message, you will not be able to get the same message

again by using this endpoint.

## Response format

If successful, response header HTTP status code will be `200 OK` and messages will be returned in the response body.

If you try to get received messages without authorization, you will get a response with HTTP status code `401 Unauthorized`.

### SMSResponse

| Parameter      | Type       | Description  |
|----------------|------------|--|
| <i>results</i> | Messages[] | Collection of reports, one per every received message. |

### Messages

| Parameter         | Type   | Description  |
|-------------------|--------|--|
| <i>messageId</i>  | String | The ID that uniquely identifies the received message.  |
| <i>from</i>       | String | Sender ID that can be alphanumeric or numeric.   |
| <i>to</i>         | String | The message destination address.   |
| <i>text</i>       | String | Full text of the received message.   |
| <i>cleanText</i>  | String | Text of received message without a keyword (if a keyword was sent).  |
| <i>keyword</i>    | String | Keyword extracted from the message text.   |
| <i>receivedAt</i> | Date   | Tells when the message was received on the platform. Has the following format: <code>yyyy-MM-dd'T'HH:mm:ss.SSSXXX</code> . |
| <i>smsCount</i>   | int    | The number of sent message segments.   |

## Additional examples

Getting unread received messages without any query parameter



## Request

### JSON

```
GET /restapi/sms/1/inbox/reports HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/json
```

### XML

```
GET /restapi/sms/1/inbox/reports HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/xml
```

### cURL

```
curl -X GET \
-H 'Accept: application/json' \
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==" \
http://107.20.199.106/restapi/sms/1/inbox/reports
```

### PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/inbox/reports');
$request->setMethod(HTTP_METH_GET);

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
```

```
echo $ex;  
}
```

## *Ruby*

```
require 'uri'  
require 'net/http'  
  
url = URI("http://107.20.199.106/restapi/sms/1/inbox/reports")  
  
http = Net::HTTP.new(url.host, url.port)  
http.use_ssl = true  
http.verify_mode = OpenSSL::SSL::VERIFY_NONE  
  
request = Net::HTTP::Get.new(url)  
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
request["accept"] = 'application/json'  
  
response = http.request(request)  
puts response.read_body
```

## *Python*

```
import http.client  
  
conn = http.client.httpConnection("107.20.199.106")  
  
headers = {  
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",  
    'accept': "application/json"  
}  
  
conn.request("GET", "/restapi/sms/1/inbox/reports", headers=headers)  
  
res = conn.getresponse()  
data = res.read()  
  
print(data.decode("utf-8"))
```

## *Java*

```
HttpResponse<String> response =
```

```
Unirest.get("http://107.20.199.106/restapi/sms/1/inbox/reports")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();
```

C#

```
var client = new
RestClient("http://107.20.199.106/restapi/sms/1/inbox/reports");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);
```

JavaScript

```
var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("GET", "http://107.20.199.106/restapi/sms/1/inbox/reports");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);
```

**Response**

JSON

HTTP/1.1 200 OK

Content-Type: **application/json**

```
{
  "results":[
    {
      "messageId":"ff4804ef-6ab6-4abd-984d-ab3b1387e823",
      "from":"38598111",
      "to":"41793026727",
      "text":"KEY Test message",
      "cleanText":"Test message",
      "keyword":"KEY",
      "receivedAt":"2015-02-15T11:43:20.254+0100",
      "smsCount":1
    }
  ]
}
```

XML

**HTTP/1.1 200 OK**

Content-Type: **application/xml**

```
<M0ReportResponse>
  <results>
    <results>
      <messageId>ff4804ef-6ab6-4abd-984d-ab3b1387e823</messageId>
      <from>38598111</from>
      <to>41793026727</to>
      <text>KEY Test message</text>
      <cleanText>Test message</cleanText>
      <keyword>KEY</keyword>
      <receivedAt>2015-02-15T11:43:20.254+0100</receivedAt>
      <smsCount>1</smsCount>
    </results>
  </results>
</M0ReportResponse>
```

Getting the initial two unread received messages

## Request

JSON

```
GET /restapi/sms/1/inbox/reports?limit=2 HTTP/1.1  
Host: 107.20.199.106  
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==  
Accept: application/json
```

*XML*

```
GET /restapi/sms/1/inbox/reports?limit=2 HTTP/1.1  
Host: 107.20.199.106  
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==  
Accept: application/xml
```

*cURL*

```
curl -X GET  
-H 'Accept: application/json'  
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=="  
http://107.20.199.106/restapi/sms/1/inbox/reports?limit=2
```

*PHP*

```
<?php  
  
$request = new HttpRequest();  
$request->setUrl('http://107.20.199.106/restapi/sms/1/inbox/reports');  
$request->setMethod(HTTP_METH_GET);  
  
$request->setQueryData(array(  
    'limit' => '2'  
));  
  
$request->setHeaders(array(  
    'accept' => 'application/json',  
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
));  
  
try {  
    $response = $request->send();  
  
    echo $response->getBody();  
} catch (HttpException $ex) {
```

```
echo $ex;  
}
```

### *Ruby*

```
require 'uri'  
require 'net/http'  
  
url = URI("http://107.20.199.106/restapi/sms/1/inbox/reports?limit=2")  
  
http = Net::HTTP.new(url.host, url.port)  
http.use_ssl = true  
http.verify_mode = OpenSSL::SSL::VERIFY_NONE  
  
request = Net::HTTP::Get.new(url)  
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
request["accept"] = 'application/json'  
  
response = http.request(request)  
puts response.read_body
```

### *Python*

```
import http.client  
  
conn = http.client.httpConnection("107.20.199.106")  
  
headers = {  
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",  
    'accept': "application/json"  
}  
  
conn.request("GET", "/restapi/sms/1/inbox/reports?limit=2",  
headers=headers)  
  
res = conn.getresponse()  
data = res.read()  
  
print(data.decode("utf-8"))
```

### *Java*

```

HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/sms/1/inbox/reports?limit=2")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();

```

*C#*

```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/inbox/reports?limit=2");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);

```

*JavaScript*

```

var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("GET", "http://107.20.199.106/restapi/sms/1/inbox/reports?
limit=2");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);

```

**Response**

*JSON*

HTTP/1.1 200 OK

Content-Type: application/json

```
{
  "results":[
    {
      "messageId":"df9839ab-6ab6-4abd-984d-ab3b7687e823",
      "from":"38598111",
      "to":"41793026727",
      "text":"KEYWORD Test message",
      "cleanText":"Test message",
      "keyword":"KEYWORD",
      "receivedAt":"2015-02-15T12:23:10.418+0100",
      "smsCount":1
    },
    {
      "messageId":"ae4359fd-9ad6-4cdf-763d-ac1c5347d839",
      "from":"38598111",
      "to":"41793026727",
      "text":"Test message without keyword.",
      "cleanText":"Test message without keyword.",
      "keyword":"",
      "receivedAt":"2015-02-15T12:21:07.311+0100",
      "smsCount":1
    }
  ]
}
```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```
<M0ReportResponse>
  <results>
    <results>
      <messageId>df9839ab-6ab6-4abd-984d-ab3b7687e823</messageId>
      <from>38598111</from>
      <to>41793026727</to>
      <text>KEYWORD Test message</text>
      <cleanText>Test message</cleanText>
      <keyword>KEYWORD</keyword>
      <receivedAt>2015-02-15T12:23:10.418+0100</receivedAt>
      <smsCount>1</smsCount>
    
```



```
</results>
<results>
  <messageId>ae4359fd-9ad6-4cdf-763d-ac1c5347d839</messageId>
  <from>38598111</from>
  <to>41793026727</to>
  <text>Test message without keyword.</text>
  <cleanText>Test message without keyword.</cleanText>
  <keyword />
  <receivedAt>2015-02-15T12:21:07.311+0100</receivedAt>
  <smsCount>1</smsCount>
</results>
</results>
</MOReportResponse>
```

# Received messages logs

## Definition

<http://107.20.199.106/restapi/sms/1/inbox/logs>

## Parameters

| Parameter            | Type       | Description                                  |
|----------------------|------------|--|
| <i>limit</i>         | Integer    | Maximum number of messages in returned logs. |
| <i>keyword</i>       | String     | Keyword used in received messages            |
| <i>to</i>            | String     | The message destination address.             |
| <i>receivedSince</i> | DateFormat | Lower limit on date and time of sending SMS. |
| <i>receivedUntil</i> | DateFormat | Upper limit on date and time of sending SMS. |

## Examples

**GET /restapi/sms/1/inbox/logs HTTP/1.1**  
Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==  
Accept: application/json

## Result Format

```
{
  "results":[
    {
      "messageId":"5908971644001839114",
      "to":"41793026727",
      "receivedAt":"2015-03-01T12:54:44.560+0000",
      "from":"385998779111",
      "text":"HEY hello world",
      "cleanText":"hello world",
      "keyword":"HEY",
      "smsCount":1
    },
    {
      "messageId":"5904932597450690569",
      "to":"41793026727",
      "receivedAt":"2015-03-01T12:54:42.231+0000",
      "from":"385998779111",
      "text":"HEY how are you",
      "cleanText":"how are you",
      "keyword":"HEY",
      "smsCount":1
    },
    {
      "messageId":"5904217701796992008",
      "to":"41793026727",
      "receivedAt":"2015-03-01T12:54:40.111+0000",
      "from":"385998779111",
      "text":"KEY hello world",
      "cleanText":"hello world",
      "keyword":"KEY",
      "smsCount":1
    }
  ]
}
```

Response format

If successful, response header HTTP status code will be `200 OK` and the message logs will be returned.

If you try to send message without authorization, you will get a response with HTTP status code `401 Unauthorized`.

## LogsResponse

| Parameter      | Type    | Description         |
|----------------|---------|---------------------|
| <i>results</i> | MOLog[] | Collection of logs. |

## MOLog

| Parameter         | Type   | Description  |
|-------------------|--------|--|
| <i>messageId</i>  | String | The ID that uniquely identifies the received message.  |
| <i>to</i>         | String | The message destination address.   |
| <i>receivedAt</i> | Date   | Tells when the SMS was received. Has the following format: <code>yyyy-MM-dd'T'HH:mm:ss.SSSZ</code> . |
| <i>from</i>       | String | Sender ID that can be alphanumeric or numeric.   |
| <i>text</i>       | String | Text of the message that was sent.   |
| <i>cleanText</i>  | String | Text of the message that was sent without the keyword.   |
| <i>keyword</i>    | String | Keyword extracted from the message text.   |
| <i>smsCount</i>   | int    | The number of sent message segments.   |

## Additional examples

Getting logs without any query parameter

## Request

JSON

```
GET /restapi/sms/1/inbox/logs HTTP/1.1
```

```
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/json
```

## XML

```
GET /restapi/sms/1/inbox/logs HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/xml
```

## cURL

```
curl -X GET \
-H 'Accept: application/json' \
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==' \
http://107.20.199.106/restapi/sms/1/inbox/logs
```

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/inbox/logs');
$request->setMethod(HTTP_METH_GET);

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}
```

## Ruby

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/inbox/logs")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Get.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'

response = http.request(request)
puts response.read_body

```

### *Python*

```

import http.client

conn = http.client.httpConnection("107.20.199.106")

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json"
}

conn.request("GET", "/restapi/sms/1/inbox/logs", headers=headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

### *Java*

```

HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/sms/1/inbox/logs")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();

```

## C#

```
var client = new
RestClient("http://107.20.199.106/restapi/sms/1/inbox/logs");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);
```

## JavaScript

```
var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("GET", "http://107.20.199.106/restapi/sms/1/inbox/logs");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);
```

## Response

### JSON

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "results": [
    {
      "messageId": "5908971644001839114",
```

```

        "to": "41793026727",
        "receivedAt": "2015-03-01T12:54:44.560+0000",
        "from": "385998779111",
        "text": "HEY hello world",
        "cleanText": "hello world",
        "keyword": "HEY",
        "smsCount": 1
    },
    {
        "messageId": "5904932597450690569",
        "to": "41793026727",
        "receivedAt": "2015-03-01T12:54:42.231+0000",
        "from": "385998779111",
        "text": "HEY how are you",
        "cleanText": "how are you",
        "keyword": "HEY",
        "smsCount": 1
    },
    {
        "messageId": "5904217701796992008",
        "to": "41793026727",
        "receivedAt": "2015-03-01T12:54:40.111+0000",
        "from": "385998779111",
        "text": "KEY hello world",
        "cleanText": "hello world",
        "keyword": "KEY",
        "smsCount": 1
    }
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```

<MOLogsResponse>
  <results>
    <results>
      <messageId>5908971644001839114</messageId>
      <to>13372</to>
      <receivedAt>2015-03-01T12:54:44.560+0000</receivedAt>
      <from>385998779613</from>
      <text>HEY hello world</text>
    
```

```
<cleanText>hello world</cleanText>
<keyword>HEY</keyword>
<smsCount>1</smsCount>
</results>
<results>
  <messageId>5904932597450690569</messageId>
  <to>13372</to>
  <receivedAt>2015-03-01T12:54:42.231+0000</receivedAt>
  <from>385998779613</from>
  <text>HEY how are you</text>
  <cleanText>how are you</cleanText>
  <keyword>HEY</keyword>
  <smsCount>1</smsCount>
</results>
<results>
  <messageId>5904217701796992008</messageId>
  <to>13372</to>
  <receivedAt>2015-03-01T12:54:40.111+0000</receivedAt>
  <from>385998779613</from>
  <text>KEY hello world</text>
  <cleanText>hello world</cleanText>
  <keyword>KEY</keyword>
  <smsCount>1</smsCount>
</results>
</results>
</MOLogsResponse>
```

Getting logs with `keyword` and `to` as filters

## Request

JSON

```
GET /restapi/sms/1/inbox/logs?keyword=HEY&to=13372 HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNLc2FtZQ==
Accept: application/json
```

XML

```
GET /restapi/sms/1/inbox/logs?keyword=HEY&to=13372 HTTP/1.1
Host: 107.20.199.106
```



```
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Accept: application/xml
```

## *cURL*

```
curl -X GET
-H 'Accept: application/json'
-H 'Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
http://107.20.199.106/restapi/sms/1/inbox/logs?keyword=HEY&to=13372
```

## *PHP*

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/inbox/logs');
$request->setMethod(HTTP_METH_GET);

$request->setQueryData(array(
    'keyword' => 'HEY',
    'to' => '13372'
));

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}
```

## *Ruby*

```
require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/inbox/logs?
```

```
keyword=HEY&to=13372")
```

```
http = Net::HTTP.new(url.host, url.port)  
http.use_ssl = true  
http.verify_mode = OpenSSL::SSL::VERIFY_NONE
```

```
request = Net::HTTP::Get.new(url)  
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='  
request["accept"] = 'application/json'
```

```
response = http.request(request)  
puts response.read_body
```

### *Python*

```
import http.client  
  
conn = http.client.httpConnection("107.20.199.106")  
  
headers = {  
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",  
    'accept': "application/json"  
}  
  
conn.request("GET", "/restapi/sms/1/inbox/logs?keyword=HEY&to=13372",  
headers=headers)  
  
res = conn.getresponse()  
data = res.read()  
  
print(data.decode("utf-8"))
```

### *Java*

```
HttpResponse<String> response =  
Unirest.get("http://107.20.199.106/restapi/sms/1/inbox/logs?  
keyword=HEY&to=13372")  
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")  
    .header("accept", "application/json")  
    .asString();
```

### *C#*

```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/inbox/logs?
keyword=HEY&to=13372");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);

```

## JavaScript

```

var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("GET", "http://107.20.199.106/restapi/sms/1/inbox/logs?
keyword=HEY&to=13372");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);

```

## Response

### JSON

```

HTTP/1.1 200 OK
Content-Type: application/json

{
  "results": [
    {
      "messageId": "5908971644001839114",

```

```

        "to": "41793026727",
        "receivedAt": "2015-03-01T12:54:44.560+0000",
        "from": "385998779111",
        "text": "HEY hello world",
        "cleanText": "hello world",
        "keyword": "HEY",
        "smsCount": 1
    },
    {
        "messageId": "5904932597450690569",
        "to": "41793026727",
        "receivedAt": "2015-03-01T12:54:42.231+0000",
        "from": "385998779111",
        "text": "HEY how are you",
        "cleanText": "how are you",
        "keyword": "HEY",
        "smsCount": 1
    }
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```

<MOLogsResponse>
  <results>
    <results>
      <messageId>5908971644001839114</messageId>
      <to>13372</to>
      <receivedAt>2015-03-01T12:54:44.560+0000</receivedAt>
      <from>385998779613</from>
      <text>HEY hello world</text>
      <cleanText>hello world</cleanText>
      <keyword>HEY</keyword>
      <smsCount>1</smsCount>
    </results>
    <results>
      <messageId>5904932597450690569</messageId>
      <to>13372</to>
      <receivedAt>2015-03-01T12:54:42.231+0000</receivedAt>
      <from>385998779613</from>
      <text>HEY how are you</text>
    </results>
  </results>
</MOLogsResponse>

```

```
<cleanText>how are you</cleanText>
<keyword>HEY</keyword>
<smsCount>1</smsCount>
</results>
</results>
</M0LogsResponse>
```

## Getting messages without keyword

In order to get all messages that were sent without keyword, you can use `NO_KEYWORD` filter.

### Request

#### JSON

```
GET /restapi/sms/1/inbox/logs?keyword=NO_KEYWORD HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNlc2FtZQ==
Accept: application/json
```

#### XML

```
GET /restapi/sms/1/inbox/logs?keyword=NO_KEYWORD HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvGVuIHNlc2FtZQ==
Accept: application/xml
```

#### cURL

```
curl -X GET
-H 'Accept: application/json'
-H 'Authorization: Basic QWxhZGRpbjpvGVuIHNlc2FtZQ=='
http://107.20.199.106/restapi/sms/1/inbox/logs?keyword=NO_KEYWORD
```

#### PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/sms/1/inbox/logs');
```

```

$request->setMethod(HTTP_METH_GET);

$request->setQueryData(array(
    'keyword' => 'NO_KEYWORD'
));

$request->setHeaders(array(
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}

```

### *Ruby*

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/sms/1/inbox/logs?
keyword=NO_KEYWORD")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Get.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'

response = http.request(request)
puts response.read_body

```

### *Python*

```

import http.client

conn = http.client.httpConnection("107.20.199.106")

```

```

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json"
}

conn.request("GET", "/restapi/sms/1/inbox/logs?keyword=NO_KEYWORD",
headers=headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

### Java

```

HttpResponse<String> response =
Unirest.get("http://107.20.199.106/restapi/sms/1/inbox/logs?
keyword=NO_KEYWORD")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .asString();

```

### C#

```

var client = new
RestClient("http://107.20.199.106/restapi/sms/1/inbox/logs?
keyword=NO_KEYWORD");

var request = new RestRequest(Method.GET);
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");

IRestResponse response = client.Execute(request);

```

### JavaScript

```

var data = null;

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

```

```
xhr.addEventListener("readystatechange", function () {
  if (this.readyState === this.DONE) {
    console.log(this.responseText);
  }
});

xhr.open("GET", "http://107.20.199.106/restapi/sms/1/inbox/logs?
keyword=NO_KEYWORD");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");

xhr.send(data);
```

## Response

JSON

**HTTP/1.1 200 OK**

Content-Type: application/json

```
{
  "results": [
    {
      "messageId": "606386740726357762",
      "from": "385998779111",
      "to": "41793026727",
      "text": "Message without keyword",
      "cleanText": "Message without keyword",
      "receivedAt": "2015-05-20T10:06:46.880+0000",
      "smsCount": 1
    },
    {
      "messageId": "3634590217319761028",
      "from": "385998779111",
      "to": "41793026727",
      "text": "Logs test",
      "cleanText": "Logs test",
      "receivedAt": "2015-05-20T10:06:17.713+0000",
      "smsCount": 1
    }
  ]
}
```



HTTP/1.1 200 OK

Content-Type: application/xml

```
<MOLogsResponse>
  <results>
    <messageId>606386740726357762</messageId>
    <from>385998779111</from>
    <to>41793026727</to>
    <text>Message without keyword</text>
    <cleanText>Message without keyword</cleanText>
    <receivedAt>2015-05-20T10:06:46.880+0000</receivedAt>
    <smsCount>1</smsCount>
  </results>
  <results>
    <messageId>3634590217319761028</messageId>
    <from>385998779111</from>
    <to>41793026727</to>
    <text>Logs test</text>
    <cleanText>Logs test</cleanText>
    <receivedAt>2015-05-20T10:06:17.713+0000</receivedAt>
    <smsCount>1</smsCount>
  </results>
</MOLogsResponse>
```

## Number Context

## Synchronous request

*This method gives you the ability to make a synchronous Number Context request over HTTP. Number Context response is returned immediately thus eliminating the need for the call back server.*

### Definition

```
http://107.20.199.106/restapi/number/1/query
```

## Parameters

| Parameter | Type     | Description   |
|-----------|----------|---|
| <i>to</i> | String[] | <b>Required.</b> Array of Number Context destination addresses. If the Number Context lookup is requested for one phone number, a single String is supported instead of an Array. Destination addresses must be in international format (Example: 41793026727). |

## Examples

### POST /restapi/number/1/query HTTP/1.1

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "to":["41793026727"]
}
```

## Result Format

```
{
  "results":[
    {
      "to":"41793026727",
      "mccMnc":"22801",
      "originalNetwork":{
        "networkPrefix":"79",
        "countryPrefix":"41"
      },
      "ported":false,
      "roaming":false,
      "status":{
        "groupId":2,
        "groupName":"UNDELIVERABLE",
        "id":9,
        "name":"UNDELIVERABLE_NOT_DELIVERED",
        "description":"Message sent not delivered"
      },
    },
  ],
}
```

```

    "error":{
      "groupId":1,
      "groupName":"HANDSET_ERRORS",
      "id":27,
      "name":"EC_ABSENT_SUBSCRIBER",
      "description":"Absent Subscriber",
      "permanent":false
    }
  }
]
}

```

## Response format

If successful, response header HTTP status code will be `200 OK` and include Number Context information in response body.

If you try to send a Number Context lookup without authorization, you will get a response with HTTP status code `401 Unauthorized`.

### NCRresponse

| Parameter            | Type                 | Description   |
|----------------------|----------------------|---|
| <code>bulkId*</code> | String               | The ID that uniquely identifies the request. Bulk ID will be received only when you send a <a href="#">Number Context lookup to more than one destination address</a> . |
| <code>results</code> | NCRresponseDetails[] | Array of Number Context lookup results, one per every phone number.   |

### NCRresponseDetails

| Parameter           | Type   | Description  |
|---------------------|--------|--|
| <code>to</code>     | String | The Number Context destination address.  |
| <code>mccMnc</code> | String | Mobile country code and mobile network code concatenated. MccMnc will start with the MCC, and it will always have three digits, followed by the MNC (length of the MNC depends on the value of the MCC, and it can be two or three). |

|                        |         |  |
|------------------------|---------|--|
| <i>imsi</i>            | String  | International Mobile Subscriber Identity, used to uniquely identify the user of a mobile network.                |
| <i>originalNetwork</i> | Network | Information about the original network.  |
| <i>ported</i>          | Boolean | Tells if the phone number is ported.   |
| <i>portedNetwork</i>   | Network | Information about the ported network.  |
| <i>roaming</i>         | Boolean | Informs if the phone number is in roaming.   |
| <i>roamingNetwork</i>  | Network | Information about the roaming network.   |
| <i>servingMSC</i>      | String  | Serving mobile switching center.   |
| <i>status</i>          | Status  | Indicates whether the Number Context query was successfully executed, not executed or any other possible status. |
| <i>error</i>           | Error   | Indicates whether the error occurred during the query execution.   |

## Network

| Parameter            | Type   | Description     |
|----------------------|--------|-----------------|
| <i>networkName</i>   | String | Network name.   |
| <i>networkPrefix</i> | String | Network prefix. |
| <i>countryName</i>   | String | Country name.   |
| <i>countryPrefix</i> | String | Country prefix. |

## Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

## Error

| Parameter          | Type    | Description                              |
|--------------------|---------|--|
| <i>groupId</i>     | int     | Error group ID.                          |
| <i>groupName</i>   | String  | Error group name.                        |
| <i>id</i>          | int     | Error ID.                                |
| <i>name</i>        | String  | Error name.                              |
| <i>description</i> | String  | Human readable description of the error. |
| <i>permanent</i>   | boolean | Tells if the error is permanent.         |

## Additional examples

Number Context lookup - Single phone number

### Request

JSON

**POST /restapi/number/1/query HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "to": ["41793026727"]
}
```

XML

**POST /restapi/number/1/query HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQ=

Content-Type: application/xml

Accept: application/xml

```
<request>
  <to>41793026727</to>
</request>
```

## *cURL*

```
curl -X POST \
-H "Content-Type: application/json" \
-H 'Accept: application/json' \
-H "Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQ=" \
-d '{
  "to":["41793026727"]
}' http://107.20.199.106/restapi/number/1/query
```

## *PHP*

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/number/1/query');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'content-type' => 'application/json',
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

$request->setBody('{
  "to":["41793026727"]
}');

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}
```

## *Ruby*

---

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/number/1/query")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'
request["content-type"] = 'application/json'

request.body = "{\"to\": [\"41793026727\"]}"

response = http.request(request)
puts response.read_body

```

## Python

```

import http.client

conn = http.client.HTTPConnection("107.20.199.106")

payload = "{\"to\": [\"41793026727\"]}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json",
    'content-type': "application/json"
}

conn.request("POST", "/restapi/number/1/query", payload, headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

## Java

```

HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/number/1/query")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .header("content-type", "application/json")
    .body("{\"to\": [\"41793026727\"]}")
    .asString();

```

C#

```

var client = new
RestClient("http://107.20.199.106/restapi/number/1/query");

var request = new RestRequest(Method.POST);
request.AddHeader("content-type", "application/json");
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
request.AddParameter("application/json", "{\"to\": [\"41793026727\"]}",
ParameterType.RequestBody);

IRestResponse response = client.Execute(request);

```

JavaScript

```

var data = JSON.stringify({
    "to": [
        "41793026727"
    ]
});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
    if (this.readyState === this.DONE) {
        console.log(this.responseText);
    }
});

xhr.open("POST", "http://107.20.199.106/restapi/number/1/query");
xhr.setRequestHeader("authorization", "Basic

```



```
QWxhZGRpbjpvYVUHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");
xhr.setRequestHeader("content-type", "application/json");

xhr.send(data);
```

## Response

JSON

**HTTP/1.1 200 OK**

Content-Type: **application/json**

```
{
  "results": [
    {
      "to": "41793026727",
      "mccMnc": "22801",
      "originalNetwork": {
        "networkPrefix": "79",
        "countryPrefix": "41"
      },
      "ported": false,
      "roaming": false,
      "status": {
        "groupId": 2,
        "groupName": "UNDELIVERABLE",
        "id": 9,
        "name": "UNDELIVERABLE_NOT_DELIVERED",
        "description": "Message sent not delivered"
      },
      "error": {
        "groupId": 1,
        "groupName": "HANDSET_ERRORS",
        "id": 27,
        "name": "EC_ABSENT_SUBSCRIBER",
        "description": "Absent Subscriber",
        "permanent": false
      }
    }
  ]
}
```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```
<response>
  <ncResults>
    <ncResults>
      <to>41793026727</to>
      <mccMnc>22801</mccMnc>
      <originalNetwork>
        <networkPrefix>79</networkPrefix>
        <countryPrefix>41</countryPrefix>
      </originalNetwork>
      <ported>>false</ported>
      <roaming>>false</roaming>
      <status>
        <groupId>2</groupId>
        <groupName>UNDELIVERABLE</groupName>
        <id>9</id>
        <name>UNDELIVERABLE_NOT_DELIVERED</name>
        <description>Message sent not delivered</description>
      </status>
      <error>
        <groupId>1</groupId>
        <groupName>HANDSET_ERRORS</groupName>
        <id>27</id>
        <name>EC_ABSENT_SUBSCRIBER</name>
        <description>Absent Subscriber</description>
        <permanent>>false</permanent>
      </error>
    </ncResults>
  </ncResults>
</NCResponse>
```

Number Context lookup - Multiple phone numbers

## Request

JSON

POST /restapi/number/1/query HTTP/1.1

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvGcGVuIHNLc2FtZQ==

Content-Type: application/json

Accept: `application/json`

```
{
  "to": [
    "41793026727",
    "3859851212"
  ]
}
```

## XML

**POST /restapi/number/1/query HTTP/1.1**

Host: `107.20.199.106`

Authorization: `Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==`

Content-Type: `application/xml`

Accept: `application/xml`

```
<request>
  <to>
    <to>41793026727</to>
    <to>3859851212</to>
  </to>
</request>
```

## cURL

```
curl -X POST
-H "Content-Type: application/json"
-H 'Accept: application/json'
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ="
-d '{
  "to": [
    "41793026727",
    "3859851212"
  ]
}' http://107.20.199.106/restapi/number/1/query
```

## PHP

`<?php`

```
$request = new HttpRequest();
```

```

$request->setUrl('http://107.20.199.106/restapi/number/1/query');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'content-type' => 'application/json',
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

$request->setBody('{
    "to":[
        "41793026727",
        "3859851212"
    ]
}');

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}

```

## Ruby

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/number/1/query")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'
request["content-type"] = 'application/json'

request.body = "{ \"to\": [ \"41793026727\", \"3859851212\" ] }"

response = http.request(request)
puts response.read_body

```

## Python

```
import http.client

conn = http.client.HTTPConnection("107.20.199.106")

payload = '{"to":["41793026727\\", "3859851212\\"]}'

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json",
    'content-type': "application/json"
}

conn.request("POST", "/restapi/number/1/query", payload, headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))
```

## Java

```
HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/number/1/query")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .header("content-type", "application/json")
    .body '{"to":["41793026727\\", "3859851212\\"]}'
    .asString();
```

## C#

```
var client = new
RestClient("http://107.20.199.106/restapi/number/1/query");

var request = new RestRequest(Method.POST);
request.AddHeader("content-type", "application/json");
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
request.AddParameter("application/json", '{"to":["41793026727\\",
```

```
\ "3859851212\"]}", ParameterType.RequestBody);

IRestResponse response = client.Execute(request);
```

### JavaScript

```
var data = JSON.stringify({
  "to": [
    "41793026727",
    "3859851212"
  ]
});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
  if (this.readyState === this.DONE) {
    console.log(this.responseText);
  }
});

xhr.open("POST", "http://107.20.199.106/restapi/number/1/query");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");
xhr.setRequestHeader("content-type", "application/json");

xhr.send(data);
```

### Response

#### JSON

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "bulkId": "f5c4322c-10e7-a41e-5528-34fat43er4134",
  "results": [
    {
      "to": "3859851212",
      "mccMnc": "21901",
```

```
"originalNetwork":{
  "networkPrefix":"98",
  "countryPrefix":"385"
},
"ported":false,
"roaming":false,
"status":{
  "groupId":2,
  "groupName":"UNDELIVERABLE",
  "id":9,
  "name":"UNDELIVERABLE_NOT_DELIVERED",
  "description":"Message sent not delivered"
},
"error":{
  "groupId":1,
  "groupName":"HANDSET_ERRORS",
  "id":1,
  "name":"EC_UNKNOWN_SUBSCRIBER",
  "description":"Unknown Subscriber",
  "permanent":true
}
},
{
  "to":"41793026727",
  "mccMnc":"22801",
  "originalNetwork":{
    "networkPrefix":"79",
    "countryPrefix":"41"
  },
  "ported":false,
  "roaming":false,
  "status":{
    "groupId":2,
    "groupName":"UNDELIVERABLE",
    "id":9,
    "name":"UNDELIVERABLE_NOT_DELIVERED",
    "description":"Message sent not delivered"
  },
  "error":{
    "groupId":1,
    "groupName":"HANDSET_ERRORS",
    "id":27,
    "name":"EC_ABSENT_SUBSCRIBER",
    "description":"Absent Subscriber",
    "permanent":false
  }
}
```

```
}  
]  
}
```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

```
<NCResponse>  
  <results>  
    <bulkId>f5c4322c-10e7-a41e-5528-34fat43er4134</bulkId>  
    <results>  
      <to>41793026727</to>  
      <mccMnc>22801</mccMnc>  
      <originalNetwork>  
        <networkPrefix>79</networkPrefix>  
        <countryPrefix>41</countryPrefix>  
      </originalNetwork>  
      <ported>>false</ported>  
      <roaming>>false</roaming>  
      <status>  
        <groupId>2</groupId>  
        <groupName>UNDELIVERABLE</groupName>  
        <id>9</id>  
        <name>UNDELIVERABLE_NOT_DELIVERED</name>  
        <description>Message sent not delivered</description>  
      </status>  
      <error>  
        <groupId>1</groupId>  
        <groupName>HANDSET_ERRORS</groupName>  
        <id>27</id>  
        <name>EC_ABSENT_SUBSCRIBER</name>  
        <description>Absent Subscriber</description>  
        <permanent>>false</permanent>  
      </error>  
    </ncResults>  
  <ncResults>  
    <to>3859851212</to>  
    <mccMnc>21901</mccMnc>  
    <originalNetwork>  
      <networkPrefix>98</networkPrefix>  
      <countryPrefix>385</countryPrefix>  
    </originalNetwork>
```



```
<ported>>false</ported>
<roaming>>false</roaming>
<status>
  <groupId>2</groupId>
  <groupName>UNDELIVERABLE</groupName>
  <id>9</id>
  <name>UNDELIVERABLE_NOT_DELIVERED</name>
  <description>Message sent not delivered</description>
</status>
<error>
  <groupId>1</groupId>
  <groupName>HANDSET_ERRORS</groupName>
  <id>1</id>
  <name>EC_UNKNOWN_SUBSCRIBER</name>
  <description>Unknown Subscriber</description>
  <permanent>true</permanent>
</error>
</ncResults>
</ncResults>
</NCResponse>
```

## Asynchronous request

*This method gives you the ability to make a asynchronous Number Context request over HTTP. Number Context response is sent to a notify URL at your call back server.*

### Definition

```
http://107.20.199.106/restapi/number/1/notify
```

### Parameters

| Parameter        | Type     | Description  |
|------------------|----------|--|
| <i>to</i>        | String[] | <b>Required.</b> Array of Number Context destination addresses. If the Number Context lookup is requested for one phone number, a single String is supported instead of an Array. Destination addresses must be in international format (Example: 41793026727 ). |
| <i>notifyUrl</i> | String   | The URL on your call back server on which the Number Context response will be sent.  |

*notifyContentType* String Preferred content type of the response. Could be application/json or application/xml.

## Examples

**POST /restapi/number/1/notify HTTP/1.1**

Host: 107.20.199.106

Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==

Content-Type: application/json

Accept: application/json

```
{
  "to": [
    "41793026727"
  ],
  "notifyUrl": "http://example.com/notifyUrl",
  "notifyContentType": "application/json"
}
```

## Result Format

```
{
  "ncResults": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 1,
        "groupName": "PENDING",
        "id": 3,
        "name": "PENDING_WAITING_DELIVERY",
        "description": "Message sent, waiting for delivery report"
      },
      "messageId": "2b691c32-1233-4716-a763-4f70cc929eae"
    }
  ]
}
```

## Response format

If successful, response header HTTP status code will be `200 OK` and include Number Context information in the response body.

If you try to send a Number Context lookup without authorization, you will get a response with HTTP status code `401 Unauthorized`.

### NCRresponse

| Parameter        | Type                 | Description   |
|------------------|----------------------|---|
| <i>bulkId</i>    | String               | The ID that uniquely identifies the request. Bulk ID will be received only when you send a <a href="#">Number Context lookup to more than one destination address</a> . |
| <i>ncResults</i> | NCRresponseDetails[] | Array of Number Context lookup results, one per every phone number.   |

### NCRresponseDetails

| Parameter        | Type   | Description  |
|------------------|--------|--|
| <i>to</i>        | String | The Number Context destination address.  |
| <i>status</i>    | Status | Indicates whether the Number Context query was successfully executed, not executed or any other possible status. |
| <i>messageId</i> | String | The ID that uniquely identifies the performed lookup on destination address.                                     |

### Status

| Parameter          | Type   | Description   |
|--------------------|--------|---|
| <i>groupId</i>     | int    | Status group ID.                                    |
| <i>groupName</i>   | String | Status group name.                                  |
| <i>id</i>          | int    | Status ID.  |
| <i>name</i>        | String | Status name.  |
| <i>description</i> | String | Human readable description of the status.           |
| <i>action</i>      | String | Action that should be taken to eliminate the error. |

### Error

| Parameter          | Type    | Description                              |
|--------------------|---------|--|
| <i>groupId</i>     | int     | Error group ID.                          |
| <i>groupName</i>   | String  | Error group name.                        |
| <i>id</i>          | int     | Error ID.                                |
| <i>name</i>        | String  | Error name.                              |
| <i>description</i> | String  | Human readable description of the error. |
| <i>permanent</i>   | boolean | Tells if the error is permanent.         |

### Note:

The result you will receive on your notify URL will be the same as the response in Synchronous Number Context lookup.

### The result format you will receive on notify URL:

JSON

```
{
  "ncResults": [
    {
      "to": "41793026727",
      "mccMnc": "22801",
      "originalNetwork": {
        "networkPrefix": "79",
        "countryPrefix": "41"
      },
      "ported": false,
      "roaming": false,
      "status": {
        "groupId": 2,
        "groupName": "UNDELIVERABLE",
        "id": 9,
        "name": "UNDELIVERABLE_NOT_DELIVERED",
        "description": "Message sent not delivered"
      },
      "error": {
        "groupId": 1,
        "groupName": "HANDSET_ERRORS",
```

```

        "id":27,
        "name":"EC_ABSENT_SUBSCRIBER",
        "description":"Absent Subscriber",
        "permanent":false
    }
}
]
}

```

## XML

```

<NCResponse>
  <ncResults>
    <ncResults>
      <to>41793026727</to>
      <mccMnc>22801</mccMnc>
      <originalNetwork>
        <networkPrefix>79</networkPrefix>
        <countryPrefix>41</countryPrefix>
      </originalNetwork>
      <ported>>false</ported>
      <roaming>>false</roaming>
      <status>
        <groupId>2</groupId>
        <groupName>UNDELIVERABLE</groupName>
        <id>9</id>
        <name>UNDELIVERABLE_NOT_DELIVERED</name>
        <description>Message sent not delivered</description>
      </status>
      <error>
        <groupId>1</groupId>
        <groupName>HANDSET_ERRORS</groupName>
        <id>27</id>
        <name>EC_ABSENT_SUBSCRIBER</name>
        <description>Absent Subscriber</description>
        <permanent>>false</permanent>
      </error>
    </ncResults>
  </ncResults>
</NCResponse>

```

## Additional examples

## Number Context lookup - Single phone number

### Request

#### JSON

```
POST /restapi/number/1/notify HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Content-Type: application/json
Accept: application/json

{
  "to": [
    "41793026727"
  ],
  "notifyUrl": "http://example.com/notifyUrl",
  "notifyContentType": "application/json"
}
```

#### XML

```
POST /restapi/number/1/notify HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Content-Type: application/xml
Accept: application/xml

<request>
  <to>41793026727</to>
  <notifyUrl>http://example.com/notifyUrl</notifyUrl>
  <notifyContentType>application/xml</notifyContentType>
</request>
```

#### cURL

```
curl -X POST \
-H "Content-Type: application/json" \
-H 'Accept: application/json' \
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=" \
-d '{
  "to": [
```

```
        "41793026727"
    ],
    "notifyUrl": "http://example.com/notifyUrl",
    "notifyContentType": "application/json"
}' http://107.20.199.106/restapi/number/1/notify
```

## PHP

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/number/1/notify');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
    'content-type' => 'application/json',
    'accept' => 'application/json',
    'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

$request->setBody('{
    "to": [
        "41793026727"
    ],
    "notifyUrl": "http://example.com/notifyUrl",
    "notifyContentType": "application/json"
}');

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}
```

## Ruby

```
require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/number/1/notify")
```

```

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'
request["content-type"] = 'application/json'

request.body = "{\"to\": [\"41793026727\"],
  \"notifyUrl\": \"http://example.com/notifyUrl\",
  \"notifyContentType\": \"application/json\"}"

response = http.request(request)
puts response.read_body

```

### Python

```

import http.client

conn = http.client.HTTPConnection("107.20.199.106")

payload = "{\"to\": [\"41793026727\"],
  \"notifyUrl\": \"http://example.com/notifyUrl\",
  \"notifyContentType\": \"application/json\"}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json",
    'content-type': "application/json"
}

conn.request("POST", "/restapi/number/1/notify", payload, headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

### Java

```

HttpServletResponse response =
Unirest.post("http://107.20.199.106/restapi/number/1/notify")

```



```

.header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
.header("accept", "application/json")
.header("content-type", "application/json")
.body("{\"to\": [\"41793026727\"],
\"notifyUrl\": \"http://example.com/notifyUrl\",
\"notifyContentType\": \"application/json\"}")
.asString();

```

C#

```

var client = new
RestClient("http://107.20.199.106/restapi/number/1/notify");

var request = new RestRequest(Method.POST);
request.AddHeader("content-type", "application/json");
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
request.AddParameter("application/json", "{\"to\": [\"41793026727\"],
\"notifyUrl\": \"http://example.com/notifyUrl\",
\"notifyContentType\": \"application/json\"}",
ParameterType.RequestBody);

IRestResponse response = client.Execute(request);

```

JavaScript

```

var data = JSON.stringify({
  "to": [
    "41793026727"
  ],
  "notifyUrl": "http://example.com/notifyUrl",
  "notifyContentType": "application/json"
});

var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
  if (this.readyState === this.DONE) {
    console.log(this.responseText);
  }
});

```

```
xhr.open("POST", "http://107.20.199.106/restapi/number/1/notify");
xhr.setRequestHeader("authorization", "Basic
QWxhZGRpbjpvvcGVuIHNLc2FtZQ==");
xhr.setRequestHeader("accept", "application/json");
xhr.setRequestHeader("content-type", "application/json");

xhr.send(data);
```

## Response

*JSON*

**HTTP/1.1 200 OK**

Content-Type: **application/json**

```
{
  "ncResults": [
    {
      "to": "41793026727",
      "status": {
        "groupId": 1,
        "groupName": "PENDING",
        "id": 3,
        "name": "PENDING_WAITING_DELIVERY",
        "description": "Message sent, waiting for delivery report"
      },
      "messageId": "2b691c32-1233-4716-a763-4f70cc929eae"
    }
  ]
}
```

*XML*

**HTTP/1.1 200 OK**

Content-Type: **application/xml**

```
<NCResponseAsync>
  <ncResults>
    <ncResults>
      <to>41793026727</to>
      <status>
        <groupId>1</groupId>
```

```
        <groupName>PENDING</groupName>
        <id>3</id>
        <name>PENDING_WAITING_DELIVERY</name>
        <description>Message sent, waiting for delivery
report</description>
        </status>
        <messageId>2b691c32-1233-4716-a763-4f70cc929eae</messageId>
    </ncResults>
</ncResults>
</NCResponseAsync>
```

Number Context lookup - Multiple phone numbers

## Request

JSON

```
POST /restapi/number/1/notify HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Content-Type: application/json
Accept: application/json

{
  "to":[
    "41793026727",
    "12345678",
    "Alphanumeric"
  ],
  "notifyUrl":"http://example.com/notifyUrl",
  "notifyContentType":"application/json"
}
```

XML

```
POST /restapi/number/1/notify HTTP/1.1
Host: 107.20.199.106
Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
Content-Type: application/xml
Accept: application/xml

<request>
```

```
<to>
  <to>41793026727</to>
  <to>12345678</to>
  <to>Alphanumeric</to>
</to>
<notifyUrl>http://example.com/notifyUrl</notifyUrl>
<notifyContentType>application/xml</notifyContentType>
</request>
```

## *cURL*

```
curl -X POST
-H "Content-Type: application/json"
-H 'Accept: application/json'
-H "Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=="
-d '{
  "to": [
    "41793026727",
    "12345678",
    "Alphanumeric"
  ],
  "notifyUrl": "http://example.com/notifyUrl",
  "notifyContentType": "application/json"
}' http://107.20.199.106/restapi/number/1/notify
```

## *PHP*

```
<?php

$request = new HttpRequest();
$request->setUrl('http://107.20.199.106/restapi/number/1/notify');
$request->setMethod(HTTP_METH_POST);

$request->setHeaders(array(
  'content-type' => 'application/json',
  'accept' => 'application/json',
  'authorization' => 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
));

$request->setBody('{
  "to": [
    "41793026727",
    "12345678",
```

```

        "Alphanumeric"
    ],
    "notifyUrl":"http://example.com/notifyUrl",
    "notifyContentType":"application/json"
}')';

try {
    $response = $request->send();

    echo $response->getBody();
} catch (HttpException $ex) {
    echo $ex;
}

```

## Ruby

```

require 'uri'
require 'net/http'

url = URI("http://107.20.199.106/restapi/number/1/notify")

http = Net::HTTP.new(url.host, url.port)
http.use_ssl = true
http.verify_mode = OpenSSL::SSL::VERIFY_NONE

request = Net::HTTP::Post.new(url)
request["authorization"] = 'Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ=='
request["accept"] = 'application/json'
request["content-type"] = 'application/json'

request.body = '{"to":["41793026727", "12345678",
\'"Alphanumeric"', \'"notifyUrl":\'"http://example.com/notifyUrl"',
\'"notifyContentType":\'"application/json"']}'

response = http.request(request)
puts response.read_body

```

## Python

```

import http.client

conn = http.client.HTTPConnection("107.20.199.106")

```

```

payload = "{\"to\": [\"41793026727\", \"12345678\", \"Alphanumeric\"],
\"notifyUrl\": \"http://example.com/notifyUrl\",
\"notifyContentType\": \"application/json\"}"

headers = {
    'authorization': "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==",
    'accept': "application/json",
    'content-type': "application/json"
}

conn.request("POST", "/restapi/number/1/notify", payload, headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))

```

Java

```

HttpResponse<String> response =
Unirest.post("http://107.20.199.106/restapi/number/1/notify")
    .header("authorization", "Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==")
    .header("accept", "application/json")
    .header("content-type", "application/json")
    .body("{\"to\": [\"41793026727\", \"12345678\", \"Alphanumeric\"],
\"notifyUrl\": \"http://example.com/notifyUrl\",
\"notifyContentType\": \"application/json\"}")
    .asString();

```

C#

```

var client = new
RestClient("http://107.20.199.106/restapi/number/1/notify");

var request = new RestRequest(Method.POST);
request.AddHeader("content-type", "application/json");
request.AddHeader("accept", "application/json");
request.AddHeader("authorization", "Basic
QWxhZGRpbjpvcGVuIHNlc2FtZQ==");
request.AddParameter("application/json", "{\"to\": [\"41793026727\",
\"12345678\", \"Alphanumeric\"],
\"notifyUrl\": \"http://example.com/notifyUrl\",
\"notifyContentType\": \"application/json\"}",

```

```
ParameterType.RequestBody);
```

```
IRestResponse response = client.Execute(request);
```

### JavaScript

```
var data = JSON.stringify({  
  "to": [  
    "41793026727",  
    "12345678",  
    "Alphanumeric"  
  ],  
  "notifyUrl": "http://example.com/notifyUrl",  
  "notifyContentType": "application/json"  
});  
  
var xhr = new XMLHttpRequest();  
xhr.withCredentials = true;  
  
xhr.addEventListener("readystatechange", function () {  
  if (this.readyState === this.DONE) {  
    console.log(this.responseText);  
  }  
});  
  
xhr.open("POST", "http://107.20.199.106/restapi/number/1/notify");  
xhr.setRequestHeader("authorization", "Basic  
QWxhZGRpbjpvYVUyIHNlc2FtZQ==");  
xhr.setRequestHeader("accept", "application/json");  
xhr.setRequestHeader("content-type", "application/json");  
  
xhr.send(data);
```

### Response

#### JSON

**HTTP/1.1 200 OK**

Content-Type: **application/json**

```
{  
  "bulkId": "f5c4322c-10e7-a41e-5528-34fa0b032134",  
  "ncResults": [  

```

```

{
  "to": "41793026727",
  "status": {
    "groupId": 1,
    "groupName": "PENDING",
    "id": 7,
    "name": "PENDING_ENROUTE",
    "description": "Message sent to next instance"
  },
  "messageId": "c2598a78-ba88-423f-8ac3-5dac4af816cf"
},
{
  "to": "12345678",
  "status": {
    "groupId": 5,
    "groupName": "REJECTED",
    "id": 14,
    "name": "REJECTED_DESTINATION",
    "description": "By Destination",
    "action": "Remove destination from blacklist"
  },
  "messageId": "a70437bc-872c-5462-837a-4ede899af3bf"
},
{
  "to": "Alphanumeric",
  "status": {
    "groupId": 5,
    "groupName": "REJECTED",
    "id": 52,
    "name": "REJECTED_DESTINATION",
    "description": "Invalid destination address.",
    "action": "Check to parameter."
  }
}
]
}

```

XML

HTTP/1.1 200 OK

Content-Type: application/xml

<NCResponseAsync>

<ncResults>



```

    <ncResults>
      <to>41793026727</to>
      <status>
        <groupId>1</groupId>
        <groupName>Pending</groupName>
        <id>3</id>
        <name>PENDING_WAITING_DELIVERY</name>
        <description>Message sent, waiting for delivery
report</description>
      </status>
      <messageId>c2598a78-ba88-423f-8ac3-5dac4af816cf</messageId>
    </ncResults>
    <ncResults>
      <to>12345678</to>
      <status>
        <groupId>5</groupId>
        <groupName>REJECTED</groupName>
        <id>14</id>
        <name>REJECTED_DESTINATION</name>
        <description>By Destination</description>
        <action>Remove destination from blacklist</action>
      </status>
      <messageId>a70437bc-872c-5462-837a-4ede899af3bf</messageId>
    </ncResults>
    <ncResults>
      <to>Alphanumeric</to>
      <status>
        <groupId>5</groupId>
        <groupName>REJECTED</groupName>
        <id>52</id>
        <name>REJECTED_DESTINATION</name>
        <description>Invalid destination address.</description>
        <action>Check to parameter.</action>
      </status>
    </ncResults>
  </ncResults>
</NCResponseAsync>

```

