



Department: IT
Subject: API Documentation

Revision History:

<u>Issue No.</u>	<u>Date</u>	<u>Description of Changes</u>
1.0	04.18.17	Initial issue
1.1	05.11.17	Added basic authentication

Related Documents:

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Scope

The purpose of this document is to explain how to use the SMS+ API

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1. General Information

2sms SMS+ platform was developed with machine-to-machine communication in mind from the start. All of the UI calls the API, so any task the UI does the API does as well. The API is built using RESTful techniques and can accept JSON or XML and return JSON or XML as response depending on the headers provided in the request.

To tell the system XML is in the body of the request, set the Content-Type header to

Content-Type: application/xml

To tell the system that JSON encoded data is in the body of the request, set the Content-Type header to:

Content-Type: application/json

To tell the system the client wants XML returned, set the accept header in the request to:

Accept: application/xml

To tell the system the client wants JSON returned, set the accept header in the request to:

Accept: application/json

2. Authentication/Authorization

2sms uses OAuth2 to perform authorization to allow access to the application API. The user logs into the UI and creates a device that is to access the system. The system will then generate a client ID and client secret which the device will use to get an access token that will be used for all requests. The device will have the same access rights as the user who created the device on the system.

At present, 2sms will provide the client ID and client secret.

To generate an access token from the client ID and client secret, create an HTTP POST request to the following URL:

<https://plus.2sms.com/Token>

With the following information in the body:

`grant_type=client_credentials&client_id=<Client ID>&client_secret=<Client Secret>`

Replace <Client ID> with the client ID provided and <Client Secret> with the client secret provided. The access token is valid for 8 hours.

Example:

The screenshot displays a REST client interface. The top section, titled "[-] Request", shows a POST request to the URL `https://plus.2sms.com/Token`. The body of the request is `grant_type=client_credentials&client_id=00000000-0000-0000-0000-000000000000&client_secret=DefaultClient`. The bottom section, titled "[-] Response", shows the response body in a highlighted format. The response is a JSON object containing an access token, token type, expiration time, and a refresh token.

```
1. {
2.   "access_token": "uFwAlXALxaWZUca0YpE1C-WZTN-Eowxg9KXLMiWYzukuS2vti67XifxQYXpVvPBBNuGVpDygt4Bfwr
R68Rt4cRydENo1j7YC5OPsUimEDs0tWwcW70Cz8Zcv2RWxa3vZudGynmn3rdxXyNgNhPK1lIglvazBCczvkLLY6YTDg51Pz-T
YFAf3MUPHJSXhPScYWot_65I-h7JPdtTpbWbO101-fWUSizHIfofV87nlw4TdZfuLi8UIdrwOP4s9DL6xgGAzN5F3nZuyZTFuz
8CYzeablh3DbkWUTrTXwxhTMhhRTh83SM8HHYnmf3jd54mu3ulyxuA1l2z2T2sY1JK2RhsvoL7g00YsMOa4ge2p3DSmEQdtYHP
RRG4llSFxk7VL4EgogFlQVaemOFjLwKLFs6gMSYrSXRWhWrX7_z5WnSafaOCpfXIT6Ny3XMqPaqAD3DH9_wjR6g9-1MYbx6-gj
EDBXcOToXwS27z1D0bVH0SPUNRW",
3.   "token_type": "bearer",
4.   "expires_in": 28799,
5.   "refresh_token": "llegbbM8XF99jJyaEz0j0395HNlyf/h72C197pxJj5c="
6. }
```

Before the access token has expired, you will need to call the token method again with the grant type of refresh and pass the refresh token fetch from the original response from the token method.

To generate an access token from a refresh token, create an HTTP POST request to the following URL:

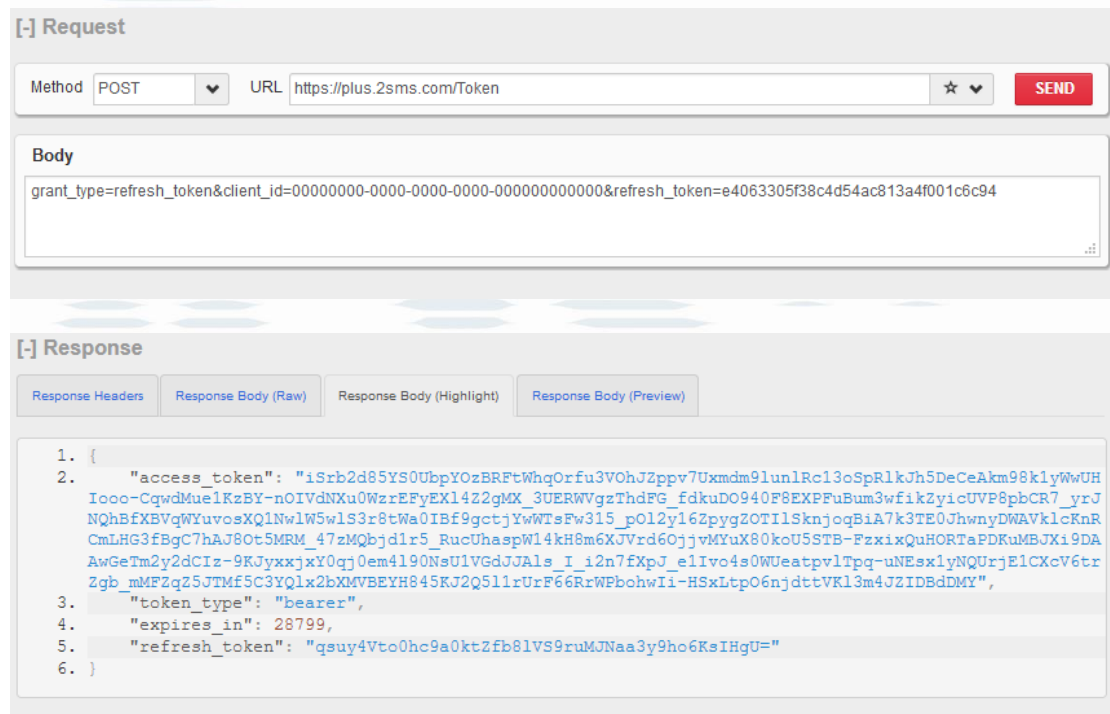
<https://plus.2sms.com/Token>

With the following information in the body:

grant_type=refresh_token&client_id=<Client ID>&refresh_token=<Refresh Token>

Replace <Client ID> with the client ID provided and <Refresh Token> with the refresh token provided in the token response. The access token is valid for 8 hours.

Example:



The screenshot displays a REST client interface. The top section, titled "[-] Request", shows a POST method to the URL `https://plus.2sms.com/Token`. The body of the request is `grant_type=refresh_token&client_id=00000000-0000-0000-0000-000000000000&refresh_token=e4063305f38c4d54ac813a4f001c6c94`. The bottom section, titled "[-] Response", shows the JSON response with fields for access_token, token_type, expires_in, and refresh_token.

```
1. {
2.   "access_token": "iSrb2d85YS0UbpYOzBRFtWhqOrfu3VOhJZppv7Uxmdm91unlRc13oSpRlkJh5DeCeAkm98klyWwUH
Iooo-CqwdMue1KzBY-nOIVdNXu0WzrEFyEX1422gMX_3UERWVgzThdFG_fdkuDO940F8EXPFuBum3wfikZyicUVP8pbCR7_yrJ
NQhBFXBVqWYuvosXQ1NwlW5w1S3r8tWa0IBf9gctjYwWTsFw315_p012y16ZpygzOTI1SknjoqBiA7k3TE0JhwnyDWAk1cRnR
CmLHG3fBgC7hAJ8Ot5MRM_47zMQbjdir5_RucUhaspW14kH8m6XJVrd6OjjvMYuX80koU5STB-FzxixQuHORTaPDKuMBJXi9DA
AwGeTm2y2dCiz-9KJyxxjxY0qj0em4190NsU1VGdJJAIs_I_i2n7fXpJ_e1Ivo4s0WUeatpvlTpg-uNEsxlyNQUrjE1CXcV6tr
Zgb_mFPZqZ5JTMf5C3YQ1x2bXMVBEYH845KJ2Q511rUrF66RrWFbohwi-HSxLtp06njdtTVR13m4JZIDbDMY",
3.   "token_type": "bearer",
4.   "expires_in": 28799,
5.   "refresh_token": "qsuy4Vto0hc9a0ktZfb81VS9ruMJNaa3y9ho6KsIHgU="
6. }
```

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3. Advanced Message

This method creates a long HTML5 complaint message and generates a notification SMS to all recipients. It also has the ability to set the number of reads and when the message will expire. The contents and the list of destinations are encrypted on our database so only the sender and the recipients can read the information.

The URL for this message is:

<https://plus.2sms.com/api/v1/sms/messages/longmessages>

The following HTTP headers must be present in the request:

Header	Value
Content-Type:	Application/json
Accept:	Application/xml or Application/json
Authorization:	Bearer <Access Token>

Replace <Access Token> with the access token returned from the /Token call.

For the body of the request the following parameters are required:

- 1) Contacts:
 - a. ContactID – A list of all contacts IDs that are stored in the address book that the message is to be sent.
 - b. GroupID – A list of all group IDs that are stored in the address book that want to be sent the message.
 - c. QuickRecipients – A list of comma separates pairs of emailaddress,1 or cellnumber,2
- 2) Content – The message to be displayed to the recipients once they have clicked on the link.
- 3) MessageOptions:
 - a. ExpiryDate – The date the message is to be expired in the format of yyyy-MM-ddThh:mm:ssZ.
 - b. Reads – The number of reads the recipient is allowed to view the message.
- 4) Reference - A free text field to enter a reference for the message.
- 5) ResponseAlert – Determine if the recipients can reply to the message. By default it is 0 if the feature is disabled or 7 if enabled.

Optional parameters in the body for this request are:

- 1) DateToSend – The date the recipients are notified in the format of yyyy-MM-ddThh:mm:ssZ
- 2) ResponseLimit – The number times each recipient can send a response to the original message. Default is 0 which is unlimited responses.
- 3) MessageOptions:
 - a. AuthenticationMethod – Set to 1 if you want recipient to be authenticated before viewing the message.
 - b. DeliveryReceipt - Determines whether the sender will get notified on when each contact has the message delivered.
 - c. EmailReadReceipt - Determines whether the sender will get notified on when each contact has read the message via email
 - d. SmsReadReceipt - Determines whether the sender will get notified on when each contact has read the message via sms.

All dates and times must be in UTC.

JSON Example:

[-] Request

Method URL

Headers

authorization: bearer 148yE8XPrv... Content-Type: application/json Accept: application/json

Body

```
{
  "Contacts": {
    "QuickRecipients": {
      "+1777555000": 2
    }
  },
  "Content": "Test long message SMS+ API",
  "MessageOptions": {
    "ExpiryDate": "2017-04-27T15:42:57.3790805Z",
    "Reads": 1
  },
  "Reference": "sample string 2",
  "ResponseAlert": 0
}
```

[-] Response

```
1. {
2.   "Error":
3.   {
4.     "ErrorCode": "00",
5.     "ErrorReason": "OK"
6.   },
7.   "ResponseData":
8.   {
9.     "Identification":
10.    {
11.      "UserId": "Default Account"
12.    },
13.    "Result": "Request Successful.",
14.    "Detail":
15.    {
16.      "MessageID": "cee45d74-13d5-4016-9c65-1e311a5c9aa5",
17.      "NoOfContacts": "0",
18.      "NoOfQuickRecipients": "",
19.      "NoOfSMS": "0",
20.      "NoOfEmails": "0",
21.      "PreTransaction": "4963391.61",
22.      "PostTransaction": "4963391.61",
23.      "CreditsUsed": "0",
24.      "MessageText": "Test long message SMS+ API"
25.    }
26.  }
27. }
```


JSON/XML Example

[-] Request

Method URL

Headers

authorization: bearer 148yE8XPrv... Content-Type: application/json Accept: application/xml

Body

```
{
  "Contacts": {
    "QuickRecipients": {
      "+1777555000": 2
    }
  },
  "Content": "Test long message SMS+ API",
  "MessageOptions": {
    "ExpiryDate": "2017-04-27T15:42:57.3790805Z",
    "Reads": 1
  },
  "Reference": "sample string 2",
  "ResponseAlert": 0
}
```

[-] Response

```
1. <ResponseOfSmsTransaction xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema
   -instance">
2.   <Error>
3.     <ErrorCode>00</ErrorCode>
4.     <ErrorReason>OK</ErrorReason>
5.   </Error>
6.   <ResponseData>
7.     <Result>Request Successful.</Result>
8.     <Identification>
9.       <UserId>Default Account</UserId>
10.    </Identification>
11.    <Detail>
12.      <MessageID>663ef24e-41a9-4cec-bf94-4135b2cea3fe</MessageID>
13.      <NoOfContacts>0</NoOfContacts>
14.      <NoOfQuickRecipients />
15.      <NoOfSMS>0</NoOfSMS>
16.      <NoOfEmails>0</NoOfEmails>
17.      <PreTransaction>4963391.61</PreTransaction>
18.      <PostTransaction>4963391.61</PostTransaction>
19.      <CreditsUsed>0</CreditsUsed>
20.      <MessageText>Test long message SMS+ API</MessageText>
21.    </Detail>
22.  </ResponseData>
23. </ResponseOfSmsTransaction>
```

4. Standard Messages

This method creates and sends a standard SMS to recipients provided in the request. This list of recipients can come from the address book, the groups stored in the address book or from the request itself. **Any messages sent using this message is not encrypted.**

The URL for this method is:

<https://plus.2sms.com/api/v1/sms/standardmessages>

The following HTTP headers must be present in the request:

Header	Value
Content-Type:	Application/json
Accept:	Application/xml or Application/json
Authorization:	Bearer <Access Token>

Replace <Access Token> with the access token returned from the /Token call.

For the body of the request the following parameters are required:

- 1) Contacts:
 - a. ContactID – A list of all contacts IDs that are stored in the address book that the message is to be sent.
 - b. GroupID – A list of all group IDs that are stored in the address book that want to be sent the message.
 - c. QuickRecipients – A list of comma separates pairs of emailaddress,1 or cellnumber,2
- 2) Content – The message of the SMS that will be sent to the recipient.
- 3) MessageOptions – Empty object.
- 4) Reference - A free text field to enter a reference for the message.
- 5) Sender – The header for the SMS.

Optional parameters in the body for this request are:

- 1) DateToSend – The date the recipients are notified in the format of yyyy-MM-ddThh:mm:ssZ

All dates and times must be in UTC.

JSON Example

[-] Request

Method URL

Headers Remove All

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/json

Body

```
{
  "Contacts": {
    "ContactID": {
    },
    "GroupID": {
    },
    "QuickRecipients": {
      "+17037425424": 2
    }
  },
  "Content": "Test standard message SMS+ API",
  "MessageOptions": {
    "DeliveryReceipt": true,
    "DeliverToValidated": true
  },
  "Reference": "sample string 2",
  "Sender": "2sms IT"
}
```

[-] Response

Response Headers Response Body (Raw) Response Body (Highlight) Response Body (Preview)

```
1. {
2.   "Error":
3.   {
4.     "ErrorCode": "00",
5.     "ErrorReason": "OK"
6.   },
7.   "ResponseData":
8.   {
9.     "Identification":
10.    {
11.      "UserId": "Default Account"
12.    },
13.    "Result": "Request Successful.",
14.    "Detail":
15.    {
16.      "MessageID": null,
17.      "NoOfContacts": "0",
18.      "NoOfQuickRecipients": null,
19.      "NoOfSMS": "1",
20.      "NoOfEmails": "0",
21.      "PreTransaction": "4963391.61",
22.      "PostTransaction": "4963391.36",
23.      "CreditsUsed": "0.25",
24.      "MessageText": null
25.    }
26.  }
27. }
```

JSON/XML Example

[-] Request

Method URL

Headers

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/xml

Body

```
{
  "Contacts": {
    "ContactID": {
    },
    "GroupID": {
    },
    "QuickRecipients": {
      "+17037425424": 2
    }
  },
  "Content": "Test standard message SMS+ API",
  "MessageOptions": {
    "DeliveryReceipt": true,
    "DeliverToValidated": true
  },
  "Reference": "sample string 2",
  "Sender": "2sms IT"
}
```

hotkey: b

[-] Response

```
1. <ResponseOfSmsTransaction xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema
  -instance">
2.   <Error>
3.     <ErrorCode>00</ErrorCode>
4.     <ErrorReason>OK</ErrorReason>
5.   </Error>
6.   <ResponseData>
7.     <Result>Request Successful.</Result>
8.     <Identification>
9.       <UserId>Default Account</UserId>
10.    </Identification>
11.    <Detail>
12.      <NoOfContacts>0</NoOfContacts>
13.      <NoOfSMS>1</NoOfSMS>
14.      <NoOfEmails>0</NoOfEmails>
15.      <PreTransaction>4963391.36</PreTransaction>
16.      <PostTransaction>4963391.11</PostTransaction>
17.      <CreditsUsed>0.25</CreditsUsed>
18.    </Detail>
19.  </ResponseData>
20. </ResponseOfSmsTransaction>
```

5. Reports – Advanced Message Summary

This method will list details of all the long messages that have been sent from the search criteria sent. The contents and recipients will be decrypted. The details that will be returned are:

- 1) Date Sent
- 2) Message
- 3) No of contacts sent
- 4) No of responses received
- 5) No of reads
- 6) Read Limit
- 7) Reference
- 8) Sender
- 9) Status
- 10) No of unread responses

The URL for this method is:

<https://plus.2sms.com/api/v1/reports/messages>

The following HTTP headers must be present in the request:

Header	Value
Accept:	Application/xml or Application/json
Authorization:	Bearer <Access Token>

Replace <Access Token> with the access token returned from the /Token call.

The GET parameters that are:

Parameter	Value
filter.User	The ID of the user who sent the long messages.
filter.Status	The status of the long message. The values are ALL, ACTIVE, CANCELLED, EXPIRED, FAILED
filter.ReadStatus	Whether the messages have been read by the recipients. The values are: ALL, ALL_READ, ALL_UNREAD and SOME_READ
filter.StartDate	The start date for the search. The date must be in the format of yyyy-MM-ddThh:mm:ssZ. The date range must be set to CUSTOM.
filter.EndDate	The end date for the search. The date must be in the format of yyyy-MM-ddThh:mm:ssZ. The date range must be set to CUSTOM.
filter.Range	The date range to search for the messages. If this is present then the startDate and endDate will be ignored. The values are LAST_MONTH, RECENT,

	THIS_MONTH, TODAY, YESTERDAY, WEEK, YEAR.
filter.Destination	Search for all messages for a particular number.
paging.Page	The page number of the report.
paging.NoOfRecords	The number of records to return per page.
sort.Field	The field to sort the data.
sort.AscendingDescending	Ascending or Descending

All dates and times must be in UTC.

All dates and times returned are in UTC.



JSON Example

<https://plus.2sms.com/api/v1/reports/messages?filter.Status=ALL&filter.Range=YESTERDAY&paging.Page=1&paging.NoOfRecords=100>

[-] Request

Method URL

Headers

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/json

Body

Request Body

[-] Response

```
1. {
2.   "Error":
3.   {
4.     "ErrorCode": "00",
5.     "ErrorReason": "OK"
6.   },
7.   "ResponseData":
8.   {
9.     "Identification":
10.    {
11.      "UserId": "Default Account"
12.    },
13.    "Result": "Your request has been successful and there are 2 messages returned.",
14.    "Detail":
15.    [
16.      {
17.        "DateSent": "2017-04-19T23:00:04.8498981",
18.        "MessageID": "cee45d74-13d5-4016-9c65-1e311a5c9aa5",
19.        "NoofContacts": 0,
20.        "NoofResponses": 0,
21.        "NumberOfRead": 0,
22.        "ReadLimit": "1",
23.        "Reference": "sample string 2",
24.        "Sender": "Default Account",
25.        "Status": "None",
26.        "UnreadResponses": false
27.      },
28.      {
29.        "DateSent": "2017-04-19T22:58:43.194307",
30.        "MessageID": "c0feffc3-cdd4-40ed-8f95-e17b85e56212",
31.        "NoofContacts": 0,
32.        "NoofResponses": 0,
33.        "NumberOfRead": 0,
34.        "ReadLimit": "1",
35.        "Reference": "sample string 2",
36.        "Sender": "Default Account",
37.        "Status": "None",
38.        "UnreadResponses": false
39.      }
40.    ]
41.  }
42. }
```

JSON/XML Example

<https://plus.2sms.com/api/v1/reports/messages?filter.Status=ALL&filter.Range=YESTERDAY&paging.Page=1&paging.NoOfRecords=100>

[-] Request

Method URL

Headers

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/xml

Body

Request Body

[-] Response

Response Headers Response Body (Raw) Response Body (Highlight) Response Body (Preview)

```
1. <ResponseOfArrayOfReport xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
2.   <Error>
3.     <ErrorCode>00</ErrorCode>
4.     <ErrorReason>OK</ErrorReason>
5.   </Error>
6.   <ResponseData>
7.     <Result>Your request has been successful and there are 2 messages returned.</Result>
8.     <Identification>
9.       <UserId>Default Account</UserId>
10.    </Identification>
11.    <Detail>
12.      <Report>
13.        <DateSent>2017-04-19T23:00:04.8498981</DateSent>
14.        <MessageID>cee45d74-13d5-4016-9c65-1e311a5c9aa5</MessageID>
15.        <NoofContacts>0</NoofContacts>
16.        <NoofResponses>0</NoofResponses>
17.        <NumberOfRead>0</NumberOfRead>
18.        <ReadLimit>1</ReadLimit>
19.        <Reference>sample string 2</Reference>
20.        <Sender>Default Account</Sender>
21.        <Status>None</Status>
22.        <UnreadResponses>>false</UnreadResponses>
23.      </Report>
24.      <Report>
25.        <DateSent>2017-04-19T22:58:43.194307</DateSent>
26.        <MessageID>c0feffc3-cdd4-40ed-8f95-e17b85e56212</MessageID>
27.        <NoofContacts>0</NoofContacts>
28.        <NoofResponses>0</NoofResponses>
29.        <NumberOfRead>0</NumberOfRead>
30.        <ReadLimit>1</ReadLimit>
31.        <Reference>sample string 2</Reference>
32.        <Sender>Default Account</Sender>
33.        <Status>None</Status>
34.        <UnreadResponses>>false</UnreadResponses>
35.      </Report>
36.    </Detail>
37.  </ResponseData>
38. </ResponseOfArrayOfReport>
```


6. Reports – Advanced Message Detail

This method returns the details for the long message. The details included in this report is:

- 1) Name of the contact
- 2) Contact details
- 3) Message Content

The URL for this method is:

<https://plus.2sms.com/api/v1/reports/messages/<MessageID>/details>

Replace <MessageID> with the message ID provided in the summary report request.

The following HTTP headers must be present in the request:

Header	Value
Accept:	Application/xml or Application/json
Authorization:	Bearer <Access Token>

Replace <Access Token> with the access token returned from the /Token call.

All dates and times returned are in UTC.

JSON Example

<https://plus.2sms.com/api/v1/reports/messages/cee45d74-13d5-4016-9c65-1e311a5c9aa5/details>

[-] Request

Method URL

Headers

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/json

Body

Request Body

[-] Response

Response Headers | Response Body (Raw) | Response Body (Highlight) | Response Body (Preview)

```
1. {
2.   "Error":
3.   {
4.     "ErrorCode": "00",
5.     "ErrorReason": "OK"
6.   },
7.   "ResponseData":
8.   {
9.     "Identification":
10.    {
11.      "UserId": "Default Account"
12.    },
13.    "Result": "Request Successful.",
14.    "Detail":
15.    {
16.      "AccountID": "00000000-0000-0000-0000-000000000000",
17.      "DisplayName": "Default Account",
18.      "ContactNumber": "+441234757800",
19.      "ContactEmail": "IT-Development@2sms.com",
20.      "MessageID": "cee45d74-13d5-4016-9c65-1e311a5c9aa5",
21.      "CountContactsSms": 0,
22.      "CountContactsEmails": 0,
23.      "CountNumberOfReads": 0,
24.      "MessageContent": "Test long message SMS+ API",
25.      "DateSent": "2017-04-19T23:00:04.8498981",
26.      "Reference": "sample string 2"
27.    }
28.  }
29. }
```

JSON/XML Example

<https://plus.2sms.com/api/v1/reports/messages/cee45d74-13d5-4016-9c65-1e311a5c9aa5/details>

[-] Request

Method URL

Headers

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/xml

Body

Request Body

[-] Response

```
1. <ResponseOfMessageDetail xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
2.   <Error>
3.     <ErrorCode>00</ErrorCode>
4.     <ErrorReason>OK</ErrorReason>
5.   </Error>
6.   <ResponseData>
7.     <Result>Request Successful.</Result>
8.     <Identification>
9.       <UserId>Default Account</UserId>
10.    </Identification>
11.    <Detail>
12.      <AccountID>00000000-0000-0000-0000-000000000000</AccountID>
13.      <DisplayName>Default Account</DisplayName>
14.      <ContactNumber>+441234757800</ContactNumber>
15.      <ContactEmail>IT-Development@2sms.com</ContactEmail>
16.      <MessageID>cee45d74-13d5-4016-9c65-1e311a5c9aa5</MessageID>
17.      <CountContactsSms>0</CountContactsSms>
18.      <CountContactsEmails>0</CountContactsEmails>
19.      <CountNumberOfReads>0</CountNumberOfReads>
20.      <MessageContent>Test long message SMS+ API</MessageContent>
21.      <DateSent>2017-04-19T23:00:04.8498981</DateSent>
22.      <Status>ACTIVE</Status>
23.      <Reference>sample string 2</Reference>
24.      <ResponseLimit>0</ResponseLimit>
25.    </Detail>
26.  </ResponseData>
27. </ResponseOfMessageDetail>
```

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7. Reports - Advanced Message Reads

This method returns all the reads each recipient has viewed the message. It will provide the following information:

- 1) The ID of the contact.
- 2) The recipient email or cell number.
- 3) The ID of the message.
- 4) The location the recipient read the message.
- 5) The date the recipient read the message.

The URL for this method is:

<https://plus.2sms.com/api/v1/reports/messages/<MessageID>/reads>

Replace <MessageID> with the message ID provided in the summary report request.

The following HTTP headers must be present in the request:

Header	Value
Accept:	Application/xml or Application/json
Authorization:	Bearer <Access Token>

Replace <Access Token> with the access token returned from the /Token call.

All dates and times returned are in UTC.

JSON Example

<https://plus.2sms.com/api/v1/reports/messages/cee45d74-13d5-4016-9c65-1e311a5c9aa5/reads>

[-] Request

Method URL

Headers

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/json

Body

Request Body

[-] Response

```
1. {
2.   "Error":
3.   {
4.     "ErrorCode": "00",
5.     "ErrorReason": "OK"
6.   },
7.   "ResponseData":
8.   {
9.     "Identification":
10.    {
11.      "UserId": "Default Account"
12.    },
13.    "Result": "Request Successful.",
14.    "Detail":
15.    [
16.      ]
17.   ]
18. }
```

JSON/XML Example

<https://plus.2sms.com/api/v1/reports/messages/cee45d74-13d5-4016-9c65-1e311a5c9aa5/reads>

[-] Request

Method URL

Headers

authorization: bearer 23sGW_0i24... Content-Type: application/json Accept: application/xml

Body

Request Body

[-] Response

```
1. <ResponseOfArrayOfMessageRead xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema" hema-instance">
2.   <Error>
3.     <ErrorCode>00</ErrorCode>
4.     <ErrorReason>OK</ErrorReason>
5.   </Error>
6.   <ResponseData>
7.     <Result>Request Successful.</Result>
8.     <Identification>
9.       <UserId>Default Account</UserId>
10.    </Identification>
11.    <Detail />
12.  </ResponseData>
13. </ResponseOfArrayOfMessageRead>
```

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8. Reports – Standard Message

This method returns all the standard messages that have been sent on the account. This includes the notification messages sent for long and secure messages.

The URL for this method is:

<https://plus.2sms.com/api/v1/reports/messages/standard>

The following HTTP headers must be present in the request:

Header	Value
Accept:	Application/xml or Application/json
Authorization:	Bearer <Access Token>

Replace <Access Token> with the access token returned from the /Token call.

The GET parameters that are:

Parameter	Value
Filter.RecentDays	Return the last x number of day's traffic. Max. 14
Filter.Status	Return only the messages that are the status provided. The values are PENDING, WITH_NETWORK, FAILED, FAILED_CANCELLED, FAILED_SYSTEM_ERROR, SUCCESS
Filter.Reference	Return only the messages that contain the reference provided.
Filter.ReportDetailedErrorInfo	Return the detail error message from the networks.
Filter.StartDate	The date for the records to start from.
Filter.EndDate	The date for the records to finish.
Filter.Range	Date ranges to search records for. The values are LAST_MONTH, RECENT, THIS_MONTH, TODAY, YESTERDAY, WEEKE, YEAR, CUSTOM
Filter.Destination	To search for a particular destination.
Paging.ReportID	The ID of the report.
Paging.Page	The Page number for the report.
Paging.NoOfRecords	The number of records to return per page.

All parameters for the filter are optional however a date range is required. If the date range is set to CUSTOM then start date and end date filter must be provided. If recentDays is provided, the date range, start date and end data parameters must not be present.

Paging must have at least the page and NoOfRecords provided.

All dates and times must be in UTC.

All dates and times returned are in UTC.

JSON Example

https://plus.2sms.com/api/v1/reports/messages/standard?filter.Range=THIS_MONTH&paging.Page=1&paging.NoOfRecords=100

[-] Request

Method URL

Headers

authorization: bearer 78g0iKCBec... Content-Type: application/json Accept: application/json

Body

Request Body

[-] Response

```
1. {
2.   "Error":
3.   {
4.     "ErrorCode": "00",
5.     "ErrorReason": "OK"
6.   },
7.   "ResponseData":
8.   {
9.     "Identification":
10.    {
11.      "UserId": "Default Account"
12.    },
13.    "Result": "Request Successful.",
14.    "Detail":
15.    {
16.      "Messages":
17.      [
18.        {
19.          "ID": "2017-04-20 16:01:50.590PMQHWCHXRGYHL42IP",
20.          "Status": "FailedStop",
21.          "Error": null,
22.          "DateSubmitted": "2017-04-20T15:01:48.697Z",
23.          "DateSent": "0001-01-01T00:00:00",
24.          "DateReceived": "0001-01-01T00:00:00",
25.          "Text": "Test standard message SMS+ API",
26.          "Destination": "17037425424"
27.        },
28.        {
29.          "ID": "2017-04-20 15:59:03.840JDQZMWZCQDYHL42IP",
30.          "Status": "FailedStop",
31.          "Error": null,
32.          "DateSubmitted": "2017-04-20T14:59:01.933Z",
33.          "DateSent": "0001-01-01T00:00:00",
34.          "DateReceived": "0001-01-01T00:00:00",
35.          "Text": "Test standard message SMS+ API",
36.          "Destination": "17037425424"
37.        }
38.      ]
39.    }
40.  }
41. }
```


JSON/XML Example

https://plus.2sms.com/api/v1/reports/messages/standard?filter.Range=THIS_MONTH&paging.Page=1&paging.NoOfRecords=100

[-] Request

Method URL

Headers

authorization: bearer 78g0iKCBec... Content-Type: application/json Accept: application/xml

Body

Request Body

[-] Response

```
1. <ResponseOfReportStandardResponseData xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
2.   <Error>
3.     <ErrorCode>00</ErrorCode>
4.     <ErrorReason>OK</ErrorReason>
5.   </Error>
6.   <ResponseData>
7.     <Result>Request Successful.</Result>
8.     <Identification>
9.       <UserId>Default Account</UserId>
10.    </Identification>
11.    <Detail>
12.      <Messages>
13.        <StandardReportMessages>
14.          <ID>2017-04-20 16:01:50.590PMQHWCHXRGYHL42IP</ID>
15.          <Status>FailedStop</Status>
16.          <DateSubmitted>2017-04-20T15:01:48.697Z</DateSubmitted>
17.          <DateSent>0001-01-01T00:00:00</DateSent>
18.          <DateReceived>0001-01-01T00:00:00</DateReceived>
19.          <Text>Test standard message SMS+ API</Text>
20.          <Destination>17037425424</Destination>
21.        </StandardReportMessages>
22.        <StandardReportMessages>
23.          <ID>2017-04-20 15:59:03.840JDQZMWZCQDYHL42IP</ID>
24.          <Status>FailedStop</Status>
25.          <DateSubmitted>2017-04-20T14:59:01.933Z</DateSubmitted>
26.          <DateSent>0001-01-01T00:00:00</DateSent>
27.          <DateReceived>0001-01-01T00:00:00</DateReceived>
28.          <Text>Test standard message SMS+ API</Text>
29.          <Destination>17037425424</Destination>
30.        </StandardReportMessages>
31.        <StandardReportMessages>
32.          <ID>2017-04-20 10:41:10.113KWKYFDZHWVYHLNO</ID>
33.          <Status>SUCCESS</Status>
34.          <DateSubmitted>2017-04-20T09:41:10.113Z</DateSubmitted>
35.          <DateSent>0001-01-01T00:00:00</DateSent>
36.          <DateReceived>0001-01-01T00:00:00</DateReceived>
37.          <Text>Account Transaction</Text>
38.          <Destination />
39.        </StandardReportMessages>
40.      </Messages>
41.    </Detail>
42.  </ResponseData>
43. </ResponseOfReportStandardResponseData>
```

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9. Legacy Authentication

The 2sms SMS+ application requires OAuth2 support on the client because the authorization is a separate method call to operation requested. However some older clients only support basic authentication.

The URL for this legacy authentication is:

<https://plus.2sms.com/api/v1/legacy?method=<Method name>>

The <Method Name> needs to be replaced with the URL of actual method to be called including all the query string parameters. For example to call the method to add a new contact, then the method name will be api/v1/addressbook/contacts.

The following HTTP headers must be present in the request:

Header	Value
Content-Type:	Application/json or Application/xml
Accept:	Application/xml or Application/json

To authenticate using basic authentication set the parameters to the following:

Parameter	Value
Username:	Client ID
Password:	Client Secret

JSON Example

<https://plus.2sms.com/api/v1/legacy?method=api/v1/addressbook/contacts>

[-] Request

Method URL

Headers

Content-Type: application/json Authorization: Basic MDAwMDAwMDA...

Body

```
{
  "FirstName": "Trevor",
  "LastName": "Wilcockson",
  "MobilePhone": "703555424",
  "EmailAddress": "support@2sms.com",
  "VetoValidation": true
}
```

[-] Response

```
1. {
2.   "Error":
3.   {
4.     "ErrorCode": "00",
5.     "ErrorReason": "OK"
6.   },
7.   "ResponseData":
8.   {
9.     "Identification":
10.    {
11.      "UserId": "Default Account"
12.    },
13.    "Result": "Request Successful.",
14.    "Detail":
15.    {
16.      "PersonNumber": 4,
17.      "FirstName": "Trevor",
18.      "LastName": "Wilcockson",
19.      "MobilePhone": "703555424",
20.      "EmailAddress": "support@2sms.com",
21.      "Password": "73FDD3",
22.      "LoginType": 1,
23.      "DateCreated": "11/05/2017 10:54:36",
24.      "DateModified": null,
25.      "LastModifiedBy": "",
26.      "VetoValidation": false
27.    }
28.  }
29. }
```

XML Example

<https://plus.2sms.com/api/v1/legacy?method=api/v1/addressbook/contacts>

[-] Request

Method URL

Headers Remove All

Content-Type: application/xml Authorization: Basic MDAwMDAwMDA...

Body

```
<AddressBook xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <FirstName>Trevor</FirstName>
  <LastName>Wilcockson</LastName>
  <MobilePhone>17035555424</MobilePhone>
  <EmailAddress>support@2sms.com</EmailAddress>
  <VetoValidation>true</VetoValidation>
</AddressBook>
```

[-] Response

```
1. <ResponseOfAddressBook xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-in
  stance">
2.   <Error>
3.     <ErrorCode>00</ErrorCode>
4.     <ErrorReason>OK</ErrorReason>
5.   </Error>
6.   <ResponseData>
7.     <Result>Request Successful.</Result>
8.     <Identification>
9.       <UserId>Default Account</UserId>
10.    </Identification>
11.    <Detail>
12.      <PersonNumber>8</PersonNumber>
13.      <FirstName>Trevor</FirstName>
14.      <LastName>Wilcockson</LastName>
15.      <MobilePhone>7035555424</MobilePhone>
16.      <EmailAddress>support@2sms.com</EmailAddress>
17.      <Password>C10B6E</Password>
18.      <LoginType>1</LoginType>
19.      <DateCreated>11/05/2017 11:02:26</DateCreated>
20.      <LastModifiedBy />
21.      <VetoValidation>>false</VetoValidation>
22.    </Detail>
23.  </ResponseData>
24. </ResponseOfAddressBook>
```