SMS API DOCUMENTATION

This is a Hormud REST API for SMS service, the API features include sending SMS, forwarding SMS, and receiving delivery reports.

URL: https:// smsapi.hormuud.com/

To get started with using HORMUUD SMS API, you would need to register for an account on our platform (https://business.hormuud.com/).

AUTHENTICATION

Our API accepts Two types of authentication to authorize our clients to interact with and here as follows:

I.   Bearer Token

To generate to bearer token you need the follow steps below

API Credentials: username and password, if you don't have it please register with us on our portal.

Otherwise you can find your credentials under your account profile, it is labeled API PASSWORD.

(https://business.hormuud.com/)

Token Endpoint : https://smsapi.hormuud.com/token

Payload: Should contain the following parameters

    Username: Your Username

    Password: Your Password

    grant type: password (Note: is type of grant please use as it)

Content-Type: application/x-www-form-urlencoded/text

Method Type: POST

Testing Environment

- Example of generating a token on postman

POST ▾	https://smsapi.hormuud.com//token		Send ▾	Save ▾

Params Authorization Headers (9) Body ● Pre-request Script Tests Settings   Cookies Code

○ none ○ form-data ● x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

KEY	VALUE	DESCRIPTION	••• Bulk Edit
☑ username	your username		
☑ password	your password		
☑ grant_type	password		
Key	Value	Description	

Body Cookies (1) Headers (7) Test Results   🔒 Status: 200 OK Time: 84 ms Size: 1.43 KB   Save Response ▾

Pretty Raw Preview Visualize JSON ▾ ⇥

```
1  {
2      "access_token":
       "3PO-vQ_SL5DbYu2cEAMMTwp23aqdVaY1s9Odpsy1Vuwl.VuxvpeUCaXR0kT2gigS5V2WvzuTch_8nTxfpK_Fy0zRSWYaL97t5D7YoY0qbpGbiV336q3FVO1s07F_N1g7YFidR2_dt7wCOT817mb_WTVTTcj1oo_i0pMa1WF8mNpTh/17z3CVP
```

- *Send Sms example*

POST ▼ https://smsapi.hormuud.com/api/SendSMS   **Send** ▼   Sav

Params   Authorization ●   Headers (10)   Body ●   Pre-request Script   Tests   Settings   Cooki

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ▼

```
1
2   {
3   "mobile": "61xxxxxxx",
4   "message": "test"
5   }
6
```

Body   Cookies (1)   Headers (10)   Test Results   Status: 200 OK   Time: 18.16 s   Size: 916 B   Save Resp

Pretty   Raw   Preview   Visualize   JSON ▼

```
1   {
2       "ResponseCode": "200",
3       "ResponseMessage": "SUCCESS!.",
4       "Data": {
5           "MessageID": "8c672757-4600-487a-b1d0-683538c2e007"
```

Code example: PYTHON

```python
import requests
import datetime
import json

payload = "grant_type=password&username=XXXXXX&password=XXXXXX"
    response = requests.request("POST", 'https://smsapi.hormuud.com/token',
data=payload, headers={'content-type': "application/x-www-form-urlencoded"})
    Access_Token = json.loads(response.text)
    print(Access_Token)
```

Code example: PHP

```php
$curl = curl_init();
        curl_setopt($curl, CURLOPT_POST, 1);
        curl_setopt($curl,CURLOPT_RETURNTRANSFER, 1);
        curl_setopt($curl, CURLOPT_URL, 'https://smsapi.hormuud.com/token');
        curl_setopt($curl, CURLOPT_POSTFIELDS, http_build_query(array('Username' =>
'Username', 'Password' => 'YOUR PASSWORD', 'grant_type' => 'password')));
$ Access_Token = curl_exec($curl)
```

Code example: C#

```csharp
HttpClient client = null;
if (client == null)
{
 client = new HttpClient
 {
BaseAddress = new Uri("https://smsapi.hormuud.com/")
};}
string username = "XXXXXX";
string password = "XXXXXX";
HttpResponseMessage response =
client.PostAsync("Token",new
StringContent(string.Format("grant_type=password&username={0}&password={1}",
HttpUtility.UrlEncode(username),
HttpUtility.UrlEncode(password)), Encoding.UTF8,
"application/x-www-form-urlencoded")).Result;

string resultJSON = response.Content.ReadAsStringAsync().Result;
string Access_Token=
(JObject.Parse(resultJSON).SelectToken("access_token")).ToString();
```

After all you generate your token then pass it on the Authorization header whenever making requests to endpoints

```
Authorization: Bearer <Acess_token >
```

II. Basic Auth

To access our API, you need the follow the steps below

API Credentials :username and password, if you don't have it please register with us on our portal (https://bussiness.hormuud.com/)

Our client should send a HTTP requests with the Authorization header that contains the word Basic word followed by a space and a base64-encoded string username: password

```
Authorization: Basic <zx5yyysiswewrw4r==>
```

Code example: Php

```php
$ch = curl_init(https://smsapi.hormuud.com/api/sms/Send);
$headers = array(
'Content-Type: application/json',
'Authorization: Basic '. base64_encode ("username: password"));

curl_setopt ($ch, CURLOPT_HTTPHEADER,$headers);
curl_setopt ($ch, CURLOPT_HEADER, 1);
curl_setopt ($ch, CURLOPT_USERPWD, $username. ":" . $password);
curl_setopt ($ch, CURLOPT_POSTFIELDS, $data);
curl_setopt ($ch, CURLOPT_RETURNTRANSFER, TRUE);
$return = curl_exec($ch);
curl_close($ch);
```

OUTBOUND

The outbound SMS is used to send SMS to individual or a group of people by integrating the API in your application, it can send any SMS by the following endpoints

Endpoints:

This is the endpoint for sending text Message. Our client willing to use Bearer token authorization format can call this endpoint.

- api/SendSMS :
- api/Outbound/SendSMS

Method-Type: POST

Content-Type: application/json

Authorization-Type: Bearer Token

- api/sms/Send

Is used to send text Message our client willing to use basic authorization format can call this endpoint

Method-Type: POST.

Content-Type: application/json.

Authorization-Type: Basic Auth.

Request Information

Name	Description	Type	Additional Information
refid	It is a reference id from end users to refer for delivery reports	string	Optional
mobile	It is the receiver number of the message	string	Required
message	It is the message content to be sent	string	Required
senderid	It is the sender/display name of the SMS	string	Optional
validity	is the validity of the SMS, set it zero as a value if you don't care	integer	Optional

Request Formats

```
Sample:
{
  "refid": "0",
  "mobile": "61xxxxxxx",
  "message": "test send sms api",
  "senderid": "sample string 4",
  "validity": 5,
  "delivery": 6,
}
```

Response Formats

```
Sample:
{
  "ResponseCode": "200",
  "ResponseMessage": "Success",
  "Data": {
    "MessageID": "8fa00007d-xxxx-xxx-xxxx-xxxxxxxxx",
    "Description": "The message is successfully sent",
    "DeliveryCallBack": "https://smsapi.hormuud.com/api/Delivery/GetDelivery?MessageId=8fa00007d-xxxx-xxx-xxxx-xxxxxxxxx ",
    "Details": {
      "TextLength": 1,
      "TotalCharacters": 2,
      "TotalSMS": 3,
      "IsGMS7Bit": true,
      "ContainsUnicode": true,
      "IsMultipart": true,
      "ExtensionSet": ["A","A"],
      "UnicodeSet": ["A","A"],
      "MessageParts": [ "sample string 1","sample string 2"]  }
  }
}
```

DELIVERY REPORT

For the delivery report there is some steps that are required to register on our portal

url: this is the call back url that we will push the delivery report. (https:// yoururl.com/delivery report?)

Parameters to accept:

Parameters	Details
MessageID	The message Id of the received Delivery Report
Origin	The Sender ID of the Message
Destination	The Receiver of the Message
Message	The Content of Delivery Information
DLRStatus	The Status of Message is sent
DLRTime	The Delivery Time of the Message

Method: Here you required to provide your method type whether is POST/GET

Note

You can have your own custom parameter names.

INBOUND

For the Incoming sms there is some steps that are required to register on our portal

url: this is the call back url that we will push the delivery report. (https:// yoururl.com/receive?)

Parameters to accept:

Parameters	Details
Sender	Mobile number sent a message
MessageText	The content of the message was sent
ShortCode	The number that receives the message
TimeSent	The time the message was sent

Method: Here you required to provide your method type whether is POST/GET

Note

You can have your own custom parameter names.

RESPOND CODES

Code(s)	Details
200	SUCCESS
201	Authentication Failed
203	Invalid Sender ID
204	Zero Balance (Prepaid Account)
205	Insufficient Balance (Prepaid Account)
206	The allowed message parts are exceeded
207	Wrong mobile number
500	Unknown Error