HTTP Based Unified API

SMS GATEWAY

Issue 2.0
Feb 2015

HTTP ACCESS MODEL

INTRODUCTION

The platform exposes a HTTP interface to its SMS Gateway. The SMS Gateway can be used for sending following types of SMS.

- Text SMS
    - Short: Up to 160 Characters
    - Long: Up to 1071 Characters
- Flash SMS
- Unicode SMS

To send messages using the HTTP interface, a client has to use POST/GET Method.

TERMINOLOGY

param_name   denotes a parameter in a HTTP request

GLOSSARY

MT   Message Termination; messages sent by the client
DR   Delivery Receipt
URL   Uniform Resource Locator
MSGID   Message ID
HTTP   Hyper Text Transfer Protocol
JSON   JavaScript Object Notation

MESSAGE TERMINATION

INTRODUCTION

The basic parameters required are *ph* and *text*, which refer to the destination address and content of the message respectively.

Each message returns either a unique identifier in the form of a Message ID (MSGID) OR an error code. The returned content is part of the BODY part of the HTML document returned from the HTTP POST/GET. The Message ID identifies a message uniquely in the our system and can be used to track and monitor any given message if required. The MSGID is returned after each post.

MESSAGE PARAMETERS

usr (Mandatory)	User Name	
pwd (Mandatory)	Password	
sndr (Mandatory)	The source / sender address	
ph (Mandatory)	Mobile Number	
text (Mandatory)	The content of the message (Short, Long & Unicode).	Max length 1071 Characters
flash (Optional)	To be used to send FLASH SMS	Value 1 Example flash=1
time (Optional)	To be used to schedule SMS	
grp (Optional)	If you want to send sms to your group list made in My Phone Book	grp will replace ph parameter
type (Optional)	If you want to send sms & want to receive response in json format	&type=json

HTTP Based Unified API

EXAMPLE

Text SMS (Short, Long & Unicode):

http://192.111.149.178/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=
xxxxxx&text=xxxxxx

Flash SMS:

http://192.111.149.178/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=
xxxxxx**&flash=1**&text=xxxxxx

Schedule SMS:

Unix Time Stamp:

http://192.111.149.178/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=
xxxxxx**&time=1418045828**&text=xxxxxx

DD-MM-YYYY HH:MM:SS

http://192.111.149.178/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=
xxxxxx**&time=01-12-2014 20:30:30**&text=xxxxxx

DD/MM/YYYY HH:MM:SS

http://192.111.149.178/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=
xxxxxx**&time=01/12/2014 20:30:30**&text=xxxxxx

Group SMS:

http://192.111.149.178/unified.php?usr=xxxxxx&pwd=xxxxxx&**grp=xxxxx**&sndr=
xxxxxx&text=xxxxxx

Note: parameter "ph" will be replace by "grp"

For Json: Add &type=json
http://192.111.149.178/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=
xxxxxx&text=xxxxxx&type=json

Response/Message Id:

Http:
For the above request the following response will be provided:

> 296649 Send Successful 1 credits used Mobile=xxxxxxxxx MsgId=296649

Note: Incase of Long SMS, Credits will Show Actual Credits deducted

Json:
For the above request the following response will be provided:

> {"MSGID":[
> {"xxxxxx Send Successful 1 credits used Mobile=xxxxxxxxxx MsgId=xxxxx"},
> {"xxxxxx Send Successful 1 credits used Mobile=xxxxxxxxxx MsgId=xxxxx"}
>]}

Note: Incase of Long SMS, Credits will Show Actual Credits deducted

ERROR Description:

Error Number	Description
-400	Invalid Mobile Number
-350	No More Credits or Expired A/c of Admin
-300	No More Credits in your sms A/c
-200	Authentication Failure
-100	Invalid Syntax or No data! send vars usr, pwd, ph, text

MESSAGE PARAMETERS IN DETAIL

---

1. **DESTINATION ADDRESS (ph)**

   SMS messages can be sent in the following formats:

   - 9XXXXXXXXX - 10 Digit Mobile
   - 09XXXXXXXXX - 11 Digit Mobile No. Starting with 0
   - 919XXXXXXXXX - 12 Digit Mobile Number. Starting with 91
   - +919XXXXXXXXX - 13 Digit Mobile Number. Starting with +91

2. **SOURCE ADDRESS (sender)**

   This source address (Sender ID) can only be 6 Digit Alphabetic without space and special characters.

3. **Time**

   Time can set in the following formats:

   - Unix Time Stamp → 1418122771

   - DD-MM-YYYY HH:MM:SS → 09-12-2014 16:41:42

   - DD/MM/YYYY HH:MM:SS → 09/12/2014 16:41:42

EXTENDED GSM CHARACTERSET

1.	€		6.	^
2.	\f		7.	{
3.	[		8.	|
4.	\		9.	}
5.	]		10.	~

Note: Each of these character are equal to TWO (2) Characters

Message Size

LONG SMS	UNICODE SMS
1 - 160 = 1 SMS Credits, 160 characters	1 - 70 = 1 SMS Credits, 70 characters
161 - 306 = 2 SMS Credits, 145 characters	71 - 126 = 2 SMS Credits, 55 characters
307 - 459 = 3 SMS Credits, 152 characters	127 - 189 = 3 SMS Credits, 62 characters
460 - 612 = 4 SMS Credits, 152 characters	190 - 252 = 4 SMS Credits, 62 characters
613 - 765 = 5 SMS Credits, 152 characters	253 - 315 = 5 SMS credits, 62 characters
766 - 918 = 6 SMS Credits, 152 characters	316 - 378 = 6 SMS Credits, 62 characters
919 - 1071 = 7 SMS Credits, 152 characters	379 - 441 = 7 SMS credits, 62 characters

Note:

- **In case of Long SMS:**
    - **1st Message = 160 Characters**
    - **2nd Message = 145 Characters**
    - **And rest All Message are of 152 Characters**
- **In case of Unicode SMS**
    - **1st Message = 70 Characters**
    - **2nd Message = 55 Characters**
    - **And rest All Message are of 62 Characters**

HTTP Based Unified API

<u>Reports</u>

Getting SMS reports are also as important as sending SMS. We have presently two mode of getting reports.

Current Day Reports

http://192.111.149.178/unified_dlr.php?usr=xxx&pwd=xxxxxx&type=http

Past Day Reports of the Current Month

http://192.111.149.178/unified_dlr.php?usr=xxxx&pwd=<pass>&type=http&&day=XX&mn=XX&yr=XXXX

Where **day** = Date   **mn** = Month   **yr** = Year

It's easy and user friendly as user have just have to open session and reports will flow in batch of 1000.

MESSAGE PARAMETERS

usr (Mandatory)	User Name	
pwd (Mandatory)	Password	
msgid (Mandatory)	Message Id received at the time of submission of SMS	To be send with 1st Format
type (Mandatory)	http/xml	To be Send with 2nd Format
day	Date	If you wish to receive report of any other day other than current date of current month
mn	Month	If you wish to receive report of any other day other than current date of current month
yr	Year	If you wish to receive report of any other day other than current date of current month

Report Sample:

Http Format:

```
id:27369 sub:000 dlvrd:000 submit date:141208090227 done
date:141208090233 stat:DELIVRD err:DELIVRD text:
id:27376 sub:000 dlvrd:000 submit date:141208090233 done
date:141208090239 stat:DELIVRD err:DELIVRD text:
id:256164 sub:000 dlvrd:000 submit date:141208154359 done
date:141208154404 stat:DELIVRD err:DELIVRD text:
id:271441 sub:000 dlvrd:000 submit date:141208164033 done
date:141208164037 stat:DELIVRD err:DELIVRD text:
id:296645 sub:000 dlvrd:000 submit date:141208191228 done
date:141208191232 stat:DELIVRD err:DELIVRD text:
id:23478 sub:000 dlvrd:000 submit date:141208164110 done
date:141208164116 stat:DELIVRD err:DELIVRD text:
id:23478 sub:000 dlvrd:000 submit date:141208164116 done
date:141208164122 stat:DELIVRD err:DELIVRD text:
```

XML Format:

```
<report><id:27369 sub:000 dlvrd:000 submit date:141208090227 done
date:141208090233 stat:DELIVRD err:DELIVRD text:><id:27376 sub:000
dlvrd:000 submit date:141208090233 done date:141208090239 stat:DELIVRD
err:DELIVRD text:><id:256164 sub:000 dlvrd:000 submit date:141208154359
done date:141208154404 stat:DELIVRD err:DELIVRD text:><id:271441 sub:000
dlvrd:000 submit date:141208164033 done date:141208164037 stat:DELIVRD
err:DELIVRD text:><id:296645 sub:000 dlvrd:000 submit date:141208191228
done date:141208191232 stat:DELIVRD err:DELIVRD text:></report>
```

JSON Format:

```
{"report":[
{"id:55674 sub:001 dlvrd:001 submit date:1502071508 done date:1502071509
stat:DELIVRD err:001 text:"},
{"id:55675 sub:001 dlvrd:001 submit date:1502071508 done date:1502071509
stat:DELIVRD err:001 text:Our"}
]}
```

Reports Parameter Description:

HTTP		
	id:	Message Id
	submit date	Date and Time of Submission
	done date	Date and Time of Delivery
	stat	Status
	err	Error Code
	text	Content of Text Message Sent
XML		
	<report>	Starting Tag
	<	Open tag of Each report
	id:	Message Id
	submit date	Date and Time of Submission
	done date	Date and Time of Delivery
	stat	Status
	err	Error Code
	text	Content of Text Message Sent
	>	Closing Tag of each report
	</report>	Ending Tag
Json		
	{"report":[	Starting Tag
	{"	Open tag of Each report
	id:	Message Id
	submit date	Date and Time of Submission
	done date	Date and Time of Delivery
	stat	Status
	err	Error Code
	text	Content of Text Message Sent
	"}	Closing Tag of each report
	]}	Ending Tag

HTTP Based Unified API