

Syriatel Bulk Messaging System

API



Introduction

Purpose:

The purpose of this Interface guide is to provide a complete description of both HTTP interface and Web service Interface that are available on the BULK Messaging System for accessing the SMS push services.

External users/applications can access the push services by means of several common and popular TCP/IP based interfaces.

Overview:

The primary goal of BULK Messaging System is to extend registered users a facility for distribution of short messages to destination GSM mobile phones around the world. The BULK Messaging System, by itself, is not capable of delivering the messages to destination GSM addresses, but employs an interface to interact with the messaging infrastructure (SMSC) of the operator to deliver messages to destination GSM addresses.

We will provide you below with all the needed information about how to consume this API. Either by Web service or by HTTP interface.

You can find our Web service description at:

https://bms.syriatel.sy/API.asmx?wsdl

Create Admin User

This API helps you to create a new Admin User under your Agent Account.

HTTP:

https://bms.syriatel.sy/API/Add_Admin_By_Agent.aspx?agent_user_name=****&agent_pass=****&first_name=*****&last_name=*****&user_name=*****&password=*****&optionals=***

Web Method:

```
public string Add_Admin_By_Agent (string agent_user_name, string agent_pass, string first_name, string last_name, string user_name, string password, string optionals)
```

Parameter	Description	Optional	Format	Example
agent_user_name	Agent User Name (creator)	NO	string	Agent123
agent_pass	Agent Password	NO	string	P@ss_123
first_name	First name of the new admin	NO	string	Yaser
last_name	Last name of the new admin	NO	string	Ali
user_name	User name of the new admin	NO	string	newAdmin
password	Password of the new admin	NO	string	NewP@ss123
optional	Optional parameters	Yes	Note(1)	Note(1)

Notes:

1. Optional Parameter:

- Format:

email:value;access_time_start:value;access_time_end:value;using_api:value;sms_max:value;mms_max:value;vms_max:value;flash_max:value;active:value;mobile:value;onlyapi:value;

- Parameters:

Parameter	Description	Format	Example
email	Email of the new user	string	email@nomail.com
access_time_start	Earlier time starting from the user can send messages	HHMM	0200
access_time_end	Latest time ending with the user can send messages	HHMM	1545
using_api	Allow this user to use API??	1/0	1
sms_max	Maximum length (by messages) of sms user can send	int	2
mms_max	Maximum size (Bytes) of mms user can send	int	1024
vms_max	Maximum length(seconds) of vms user can send	int	30
flash_max	Maximum length (by messages) of flashsms user can send	int	2
active	Want this user to be active?	1/0	1
mobile	Mobile of the new user	963*****	963993678389
onlyapi	Allow the user to access the website (GUI)	1/0	1

- Notes:

- All previous optional parameters are restricted by the system global restrictions (system global restrictions overwrite the optional parameters if optional parameters conflict with system restrictions).
- If you don't want to pass an optional parameter then the new user will get the same value of his parent for this parameter.
- You can pass only the needed parameters.

2. Examples:

- Without Optional Parameters:

Web Method:

```
Add_Admin_By_Agent("Agent123","P@ss_123","Yaser","Ali","newAdmin",
"NewP@ss123", "");
```

HTTPs:

```
https://bms.syriatel.sy/API/Add_Admin_By_Agent.aspx?agent_user_name=Agent123&agent_pass=P@ss_123&first_name=Yaser&last_name=Ali&user_name=newAdmin&password=NewP@ss123
```

- With Optional Parameters:

Web Method:

```
Add_Admin_By_Agent("Agent123","P@ss_123","Yaser","Ali","newAdmin",
"NewP@ss123","email:mail@nomail.com;mobile:963993678389");
```

HTTPs:

```
https://bms.syriatel.sy/API/Add_Admin_By_Agent.aspx?agent_user_name=Agent123&agent_pass=P@ss_123&first_name=Yaser&last_name=Ali&user_name=newAdmin&optionals=email:mail@nomail.com;mobile:963993678389
```

3. Responses:

a. Success:

Done Successfully.

b. Errors:

Error Msg	Description
Missing required parameters.	You missed to pass value for a required parameter.
User name or password is incorrect.	Invalid User name or password.
User isn't active.	Your user isn't active.
You don't have permission to use API.	Your account can't use API.
User can't perform this action.	Your Role can't perform this action.
User name is reserved,use another one please	User name exists ,you have to choose another one.
Weak password.Please choose a stronger one.	Password must contain three of these: capital ,small ,digits or special characters.
Invalid optional parameters.	You passed a not supported optional parameter or an invalid value.
Invalid access time, must be 4 digits.	Access time format is HHMM, for example: you pass 2305 if you mean 23:05 as a time.
User access time must be in his parent's access time range.	Access time range must be contained completely by his parent's access time.
Invalid mobile number.	Mobile number should be 963*****
Sorry, Internal Error. Error Code:#Error ID	Unexpected Error, Send us please the Error ID.

Create Normal User

This API helps you to create a new Normal User (who can send actually) under your Admin Account.

After passing all the required parameters correctly user will receive SMS containing his password.

HTTP:

```
https://bms.syriatel.sy/API/Add_Normal_By_Admin.aspx?admin_user_name=****&admin_pass=*****&first_name=*****&last_name=*****&user_name=*****&mobile=963*****&optionals=***
```

Web Method:

```
public string Add_Normal_By_Admin(string admin_user_name, string admin_pass, string first_name, string last_name, string user_name, string mobile, string optionals)
```

Parameter	Description	Optional	Format	Example
admin_user_name	Admin User Name (creator)	NO	string	Admin123
admin_pass	Admin Password	NO	string	P@ss_123
first_name	First name of the new normal user	NO	string	Yaser
last_name	Last name of the new normal user	NO	string	Ali
user_name	User name of the new normal user	NO	string	newNormal
mobile	Normal user's mobile number	NO	963*****	963993678389
optional	Optional parameters	Yes	Note(1)	Note(1)

Notes:

1. Optional Parameter:

- Format:

email:value;access_time_start:value;access_time_end:value;using_api:value;sms_max:value;mms_max:value;vms_max:value;flash_max:value;active:value;onlyapi:value;

- Parameters:

Parameter	Description	Format	Example
email	Email of the new user	string	email@nomail.com
access_time_start	Earlier time starting from the user can send messages	HHMM	0200
access_time_end	Latest time ending with the user can send messages	HHMM	1545
using_api	Allow this user to use API??	1/0	1
sms_max	Maximum length (by messages) of sms user can send	int	2
mms_max	Maximum size (Bytes) of mms user can send	int	1024
vms_max	Maximum length(seconds) of vms user can send	int	30
flash_max	Maximum length (by messages) of flashsms user can send	int	2
active	Want this user to be active?	1/0	1
onlyapi	Allow the user to access the website (GUI)	1/0	1

- Notes:
 - All previous optional parameters are restricted by the system global restrictions (system global restrictions overwrite the optional parameters if optional parameters conflict with system restrictions).
 - If you don't want to pass an optional parameter then the new user will get the same value of his parent for this parameter.
 - You can pass only the needed parameters.

2. Examples:

- Without Optional Parameters:

Web Method:

```
Add_Normal_By_Admin("Admin123","P@ss_123","Yaser","Ali","newNormal",
"963993678389", "");
```

HTTPs:

```
https://bms.syriatel.sy/API/Add_Normal_By_Admin.aspx?admin_user_name=Admin123&admin_pass=P@ss_123&first_name=Yaser&last_name=Ali&user_name=newNormal&mobile=963997996325
```

- With Optional Parameters:

Web Method:

```
Add_Normal_By_Admin("Admin123","P@ss_123","Yaser","Ali","newNormal",
"963993678389","email:mail@nomail.com;using_api:1;");
```

HTTPs:

```
https://bms.syriatel.sy/API/Add_Normal_By_Admin.aspx?admin_user_name=Admin123&admin_pass=P@ss_123&first_name=Yaser&last_name=Ali&user_name=newNormal&mobile=963997996325&optionals=email:mail@nomail.com;using_api:1;
```

3. Responses:

- Success:
Done Successfully.
- Errors:

Error Msg	Description
Missing required parameters.	You missed to pass value for a required parameter.
User name or password is incorrect.	Invalid User name or password.
User isn't active.	Your user isn't active.
You don't have permission to use API.	Your account can't use API.
User can't perform this action.	Your Role can't perform this action.
User name is reserved,use another one please	User name exists ,you have to choose another one.
Invalid optional parameters.	You passed a not supported optional parameter or an invalid value.
Invalid access time, must be 4 digits.	Access time format is HHMM, for example: you pass 2305 if you mean 23:05 as a time.
User access time must be in his parent's access time range.	Access time range must be contained completely by his parent's access time.
Invalid mobile number.	Mobile number should be 963*****
Sorry, Internal Error. Error Code:#Error ID	Unexpected Error, Send us please the Error ID.

Send SMS:

This API helps you send SMS using your normal user.

HTTP:

```
https://bms.syriatel.sy/API/SendSMS.aspx?job_name=*****&user_name=*****&password=*****&msg=*****&sender=*****&to=963*****;963*****&scheduled_date=*****&repeating=*****&repeat_until=****
```

Web Method:

```
public string SendSMS(string job_name, string user_name, string password, string msg, string sender, string to, string scheduled_date, string repeating, string repeat_until)
```

Parameter	Description	Optional	Format	Example
Job_name	Job title (Desc.)	Yes	string	marks Job
User_name	User name of the normal user	NO	string	Normal
password	Password of the normal user	NO	string	P@ss_1234
msg	Message content to be sent	NO	string	Test Message
sender	From ID	NO	string	NEWS
to	';' delimited List of recipients	NO	963*****;963*****	963993678389;963997965751
scheduled_date	Date in which the message will be sent	Yes	dd-MM-yyyy HH:mm	02-11-2014 17:02
repeating	Do you want to repeat this job?Daily?Weekly?....?	Yes	daily/weekly/monthly/annually	weekly
repeat_until	Inclusive last date the job will repeat till the end of it.	Yes	dd-MM-yyyy	04-11-2014

Notes:

1. Examples:

- Without Optional Parameters (Now + Without Repeating):
This job will be sent now and just for one time.

Web Method:

```
SendSMS("marks Job", "Normal123", "P@ss_1234", "Test Message", "NEWS", "963993678389;963997965751", "", "", "")
```

HTTPs:

```
https://bms.syriatel.sy/API/SendSMS.aspx?job_name=marksJob&user_name=Normal123&password=P@ss_1234&msg=TestMSG&sender=NEWS&to=963993678389;963997965751;
```

- With Optional Parameters (Scheduled + Without Repeating) :
This job will be sent on 02-11-2014 17:02 and just for one time.

Web Method:

```
SendSMS("marks Job", "Normal123", "P@ss_1234", "Test Message", "NEWS", "963993678389;963997965751", "02-11-2014 17:02", "", "")
```

HTTPs:

```
https://bms.syriatel.sy/API/SendSMS.aspx?job_name=marksJob&user_name=Normal123&password=P@ss_1234&msg=TestMSG&sender=NEWS&to=963993678389;963997965751;&scheduled_date=02-11-2014 17:02
```

- **With Optional Parameters (Scheduled + Repeating) :**
This job will be sent on 2 from each month at 17:02 starting from 02-05-2014 17:02. Till the end of 05-12-2014 (total runs: 8).

Web Method:

SendSMS("marks Job", "Normal123","P@ss_1234", "Test Message", "NEWS", "963993678389;963997965751","02-05-2014 17:02", "monthly", "05-12-2014")

HTTPs:

https://bms.syriatel.sy/API/SendSMS.aspx?job_name=marksJob&user_name=Normal123&password=P@ss_1234&msg=TestMSG&sender=NEWS&to=963993678389;963997965751;&scheduled_date=02-11-2014 17:02&repeating=monthly&repeat_until=05-12-2014

- **With Optional Parameters (Now + Repeating) :**
This job will be sent now and will be repeated every day at the same time till the end of 05-12-2014.

Web Method:

SendSMS("marks Job", "Normal123","P@ss_1234", "Test Message", "NEWS", "963993678389;963997965751","", "daily" , "05-12-2014")

HTTPs:

https://bms.syriatel.sy/API/SendSMS.aspx?job_name=marksJob&user_name=Normal123&password=P@ss_1234&msg=TestMSG&sender=NEWS&to=963993678389;963997965751;&repeating=daily&repeat_until=05-12-2014

2. Responses:

a. Success:

#JobID (for example 354).

b. Errors:

Error Msg	Description
Missing required parameters.	You missed to pass value for a required parameter.
User name or password is incorrect.	Invalid User name or password.
User isn't active.	Your user isn't active.
You don't have permission to use API.	Your account can't use API.
User can't perform this action.	Your Role can't perform this action.
Invalid date format.	Scheduled DateTime fromat or repeat_until format is Incorrect. Scheduled date must be: dd-MM-yyyy HH:mm Repeat_until must be: dd-MM-yyyy
Invalid repeating format.	Repeating must be one of: daily,weekly,monthly or annually.
Invalid mobile number.	You have passed an invalid gsm in the "to" parameter.
Sender doesn't exist or doesn't belong to the user.	You don't have permission to use this sender.
You're not allowed to send during this period.	Your are trying to send at a time not included in your allowed access time range.
User doesn't have enough balance.	The cost of this job is greater than your current balance.
Sorry, Internal Error. Error Code:#Error ID	Unexpected Error, Send us please the Error ID.

Add Contract:

This API helps you create a new contract in order to transfer balance to your sub account.

HTTP:

```
https://bms.syriatel.sy/API/AddContract.aspx?creator_user_name=*****&creator_pass=*****&user_name=*****&contract_type=*****&message_count=*****&expire_date=*****&optionals=*****
```

Web Method:

```
public string AddContract(string creator_user_name, string creator_pass, string user_name,int contract_type,int message_count,string expire_date ,string optionals)
```

Parameter	Description	Optional	Format	Example
creator_user_name	User name of the account you want to transfer from	NO	string	Admin123
creator_pass	password of the account you want to transfer to	NO	string	P@ss_1234
user_name	User name of the account who will receive the contract	NO	string	Normal123
contract_type	type of this contract	NO	5(SMS)/4(MMS)/3(Flash)/2(VMS)	5
message_count	Number of messages of this contract	NO	int	100
expire_date	Expire date of this contract. this date will extend user expiry date if user's one smaller of this passed date.	NO	dd-MM-yyyy	02-01-2014
optionals	Optional parameters	Yes	Note(1)	Note(1)

Notes:

1. Optional Parameters:

- Format:
credits:value;code:value;message_size:value;message_price:value;free_messages:value;discount_percentage:value;payment:value;
- Parameters:

Parameter	Description	Format	Example
credits	Price of this contract	int	123000
code	a place to store any code you want as a tag	string	Code777
message_price	Price of single message	int	3
free_messages	Number of free messages in this contract	int	50
discount_percentage	% of discount	int	20
payment	Payment ID	string	Payment #12

- Notes:
 - All previous optional parameters are just for storing more information about the contract. No real effect about the contract values.
 - You can pass only the needed parameters.

2. Examples:

- Without Optional Parameters ():

Web Method:

```
AddContract("Admin34","P@ss_1234","Normal23",5,1700,"02-11-2014",optionals)
```

HTTPs:

```
https://bms.syriatel.sy/API/AddContract.aspx?creator_user_name=Admin34&creator_pass=P@ss_1234&user_name=Normal23&contract_type=5&message_count=1700&expiry_date=02-11-2014
```

- With Optional Parameters () :

Web Method:

```
AddContract("Admin34","P@ss_1234","Normal23",5,1700,"02-11-2014","free_messages:50;discount_percentage:5;")
```

HTTPs:

```
https://bms.syriatel.sy/API/AddContract.aspx?creator_user_name=Admin34&creator_pass=P@ss_1234&user_name=Normal23&contract_type=5&message_count=1700&expiry_date=02-11-2014&optionals=free_messages:50;discount_percentage:5;
```

3. Responses:

- Success:**
Done Successfully.
- Errors:**

Error Msg	Description
Missing required parameters.	You missed to pass value for a required parameter.
User name or password is incorrect.	Invalid User name or password.
User isn't active.	Your user isn't active.
You don't have permission to use API.	Your account can't use API.
User can't perform this action.	Your Role can't perform this action.
Invalid date format.	expiry DateTime fromat is Incorrect. it must be dd-MM-yyyy HH:mm
Invalid contract type.	Contract type must be one of the following 5(SMS)/4(MMS)/3(Flash)/2(VMS)
Invalid optional parameters.	You passed a not supported optional parameter or an invalid value.
User name doesn't belong to the parent account.	You can't create contract for a user which isn't one of your subs.
User doesn't have enough balance.	Your balance is smaller than number of messages you're trying to give.
Sorry, Internal Error. Error Code:#Error ID	Unexpected Error, Send us please the Error ID.

Check Job Status:

This API helps you check the status of a submitted

HTTP:

`https://bms.syriatel.sy/API/CheckJobStatus.aspx?user_name=*****&password=*****&job_id=***`
*

Web Method:

```
public string CheckJobStatus(string user_name, string password, int job_id)
```

Parameter	Description	Optional	Format	Example
user_name	User name of the account who can check this job status	NO	string	Admin123
password	password of the account who can check this job status	NO	string	P@ss_1234
Job_id	The Id you got after sending your job. (output of SendSMS API)	NO	int	302

Notes:

1. Examples:

Web Method:

```
CheckJobStatus("Admin34", "P@ss_1234", 302);
```

HTTPs:

```
https://bms.syriatel.sy/API/CheckJobStatus.aspx?user_name=Admin34&password=P@ss_1234&job_id=302
```

2. Responses:

a. Success:

Job ID: {0} , Job Name: {1} , Job Status: {2} , Count of Runs: {3}, Schedule Date: {4}

Run#{0}

Delivered: {0} , UnDelivered: {1} , Failed: {2} , Processing: {3}

Msg ID:{0} ,Sender:{1} ,To:{2} ,Status Date:{3} ,Status:{4}

Msg ID:{0} ,Sender:{1} ,To:{2} ,Status Date:{3} ,Status:{4}

.

.

Run#{0}

Delivered: {0} , UnDelivered: {1} , Failed: {2} , Processing: {3}

Msg ID:{0} ,Sender:{1} ,To:{2} ,Status Date:{3} ,Status:{4}

Msg ID:{0} ,Sender:{1} ,To:{2} ,Status Date:{3} ,Status:{4}

.

.

b. Errors:

Error Msg	Description
Missing required parameters.	You missed to pass value for a required parameter.
User name or password is incorrect.	Invalid User name or password.
User isn't active.	Your user isn't active.
You don't have permission to use API.	Your account can't use API.
User can't perform this action.	Your Role can't perform this action.
Job id doesn't exist or doesn't belong to this user.	Job Id is invalid or doesn't belong to your account.
Sorry, Internal Error. Error Code:#Error ID	Unexpected Error, Send us please the Error ID.

Check User Status:

This API helps you check the status of your account or your subaccount

HTTP:

```
https://bms.syriatel.sy/API/CheckUserStatus.aspx?user_name=*****&password=*****&target_user_name=****
```

Web Method:

```
public string CheckUserStatus(string user_name, string password, string target_user_name)
```

Parameter	Description	Optional	Format	Example
user_name	User name of your account or of the parent account	NO	string	Admin123
password	password of your account or of the parent account	NO	string	P@ss_1234
target_user_name	User name of the user you want to check its status	NO	string	Normal

Notes:

1. Examples:

Web Method:

```
CheckUserStatus("Admin34", "P@ss_1234", "Normal");
```

HTTPs:

```
https://bms.syriatel.sy/API/CheckUserStatus.aspx?user_name=Admin34&password=P@ss_1234&target_user_name=Normal
```

2. Responses:

a. Success:

```
FirstName:{0},LastName:{1},Email:{2},AccessTimeStart:{3},AccessTimeEnd:{4},  
UsingAPI:{5},SMSBalance:{6},MMSBalance:{7},VMSBalance:{8},FlashBalance:{9},  
ExpiryDate:{10},Active:{11}
```

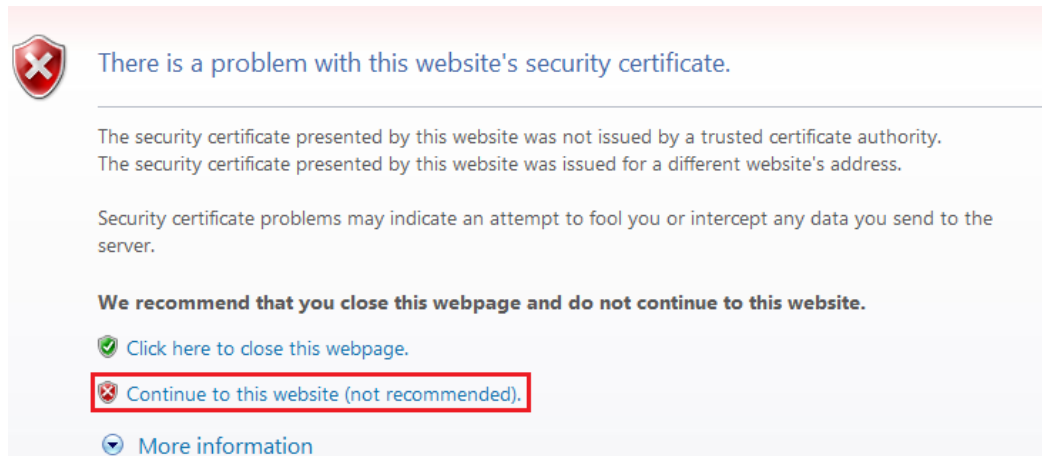
b. Errors:

Error Msg	Description
Missing required parameters.	You missed to pass value for a required parameter.
User name or password is incorrect.	Invalid User name or password.
User isn't active.	Your user isn't active.
You don't have permission to use API.	Your account can't use API.
User can't perform this action.	Your Role can't perform this action.
User name doesn't belong to the parent account.	User name is invalid or doesn't belong to your account.
Sorry, Internal Error. Error Code:#Error ID	Unexpected Error, Send us please the Error ID.

Appendix:

Since our SSL certificate is self-signed, you will need to ignore checking the validity of our certificate in all different cases:

in Case of Browser:



In Case of an application using the API (Either HTTP or Web Service) ,you must tell your application to ignore our self-signed certificate in any way you prefer, For example you can do that like below:

C#:

```
private void Send()
{
    // This line should be before the request

    ServicePointManager.ServerCertificateValidationCallback += new
    System.Net.Security.RemoteCertificateValidationCallback(ValidateServerCertificate);

    //The HTTP request goes here ...

    .....
    .....
}

//You have to make such function
public static bool ValidateServerCertificate(object sender,
X509Certificate certificate, X509Chain chain, SslPolicyErrors
sslPolicyErrors)
{
    return true;
}
```

PHP:

```
<?php
```

```
$ch = curl_init();
```

```
curl_setopt($ch, CURLOPT_URL,  
"https://bms.syriatel.sy/API/SendSMS.aspx?job_name=*****&user_name=*****&passwo  
rd=*****&msg=*****&sender=*****&to=963*****;963*****&scheduled_dat  
e=*****&repeating=*****");
```

```
curl_setopt($ch, CURLOPT_HEADER, 0);  
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, FALSE);  
if(curl_exec($ch) === false)  
{  
    echo 'Curl error: ' . curl_error($ch);  
}  
else  
{  
    ///echo 'Operation completed without any errors';  
}  
curl_close($ch);
```

```
?>
```