HTTP API (Application Programming Interface)

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Updates and Changes	
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PURPOSE OF DOCUMENTATION

The Purpose of this document is to provide third party integrators and users all the help required to use the SMSDAM Bulk SMS gateway by HTTP. This
document gives subscribers and users a complete guide on how to send text messages from their own websites or applications.
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VALIDATION OF USER

Before submitting message to the SMSDAM Gateway, the gateway needs to authenticate or validate if the request is coming from a valid source or not.
This validation is done using following parameters:

Parameter	Description
IP Addresses	Keyed into the SMSDAM database via the developer's center
Username	Username of the given account (mostly an email address)
Password	Password of the account

The username and password is provided by the client during registration for the web service on the SMSDAM Gateway.

The client can check for validation by hitting the gateway URL with their respective username/password parameter values.
HTTP URL for User Validation

http://smsdam.com/http/?action=login&username=xxxx&password=xxx

Response:

Parameter	Return Values
Valid username & password	True
Invalid username & password	False

Example:

http://smsdam.com/http/?action=login&username=laura@infodam.com&password=mypasswd

The URL would return "true" for a valid username & password combination else it will return "false".

 Messaging

For sending text message, the gateway requires various parameters including username & password for validation purposes. All the parameters need to be sent via HTTP protocol using the GET method.
For sending SMS messages the following SMSDAM Gateway URL need to be accessed with the required parameters:

http://smsdam.com/http/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx&mobile=2348088888888&sender=xxxxxxx

The following are the parameters required:

Parameters	Description
Domain Name	Domain Name or server IP address
Username	Username created by user during signup.
Password	Password to the service
Message	Text Message
Mobile	Destination Mobile Number
Sender	Sender ID of the message

SMSDAM has various SMSC connections which is set automatically while sending messages.

Message parameters in detail.

Example:
http://smsdam.com/http/?action=bulksms&username=laura@smsdam.com&password=mypasswd&message=Howdy,+whats+up&mobile=2348099999999&sender=Jude

Response:

The response values would depend on the gateway assigned to the customer for sending messages.

NOTE: Successful messages return 1201|Batch_number eg 1201|43124325425 . The batch number is needed for getting delivery reports after messages have been sent.

Following is the list of values return by the server on submission of sms via HTTP.

Return	Code Description
1200	Request Timeout
1201|Batch_number	Message Sent Successfully
1202	Invalid IP
1203	Incorrect Username or Password
1204	Insufficient Credits
1205	Invalid url Submission
1206	Invalid Mobile
1207	Invalid Sender Id
1208	Invalid Message length
1209	Message Empty

Message Parameters In Details

Domain Name (domain name)
User's account details on SMSDAM

Username (Username)
The username parameter value is passed for validation purposes. The username is
The same as that which is supplied by the client while registering on SMSDAM.
The username (username) parameter is the email address with which you signed up on SMSDAM, with no spaces.

Password Parameter (password)
The password parameter value is also passed in combination with the username for validation purposes. The password is created by the client along with the username when he registers with SMSDAM for sending SMS messages through the Gateway.
Mobile Number Parameter (mobile)

The mobile number parameter refers to the destination mobile number to which the message is to be sent.

However, the mobile number is required to be in a specific format. Any error in this parameter value would lead to non-delivery of the message.

The mobile number should contain only numbers. It must also include the country code at the start beginning.

It should not contain any symbols (+) or zero (0) etc. and it must be a valid mobile Number

Message Parameter (message)

The message parameter refers to the actual message that is to be sent to the destination mobile (mobile). The message parameter may consist of up to 160 characters belonging to the following set:

· A...Z a...z 0...9

· Blank space

· The meta characters \ (line feed)

Due to restrictions in the HTTP protocol format, the following special characters must be encoded in order not to collide with reserved HTTP characters:

Character must be encoded as:

Character	Hexa-decimal Encoded String
Dollar ("$")	%24

Ampersand ("&")	%26
Plus ("+")	%2B
Comma (",")	%2C
Forward slash/Virgule ("/")	%2F
Colon (":")	%3A
Semi-colon (";")	%3B
Equals ("=")	%3D
Question mark ("?")	%3F
'At' symbol ("@")	%40
Space	%20
Quotation marks	%22
'Less Than' symbol ("<")	%3C
'Greater Than' symbol (">")	%3E
'Pound' character ("#")	%23
Percent character ("%")	%25
Left Curly Brace ("{")	%7B
Right Curly Brace ("}")	%7D
Vertical Bar/Pipe ("|")	%7C
Backslash ("\")	%5C
Caret ("^")	%5E
Tilde ("~")	%7E
Left Square Bracket ("[")	%5B
Right Square Bracket ("]")	%5D
Grave Accent ("`")	%60

For simple text messages, the message can contain numbers, alphabets, spaces and certain special characters. However, the message can contain a maximum of 160 characters, including spaces.

Sender Id (sender)
The sender parameter refers to the message dispatcher or the From clause (THE SENDER), from whom the message is sent.
The sender can an eleven character alphanumeric string. The sender Id is an optional clause. In case the sender Id is not specified, SMSDAM is sent as the sender to the destination mobile.

Sender ID can only be made up of alphabets & digits. It cannot contain any special characters such as (-,+) etc.

SMS Examples
Sending single text message
http://smsdam.com/http/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx&mobile=9999999999&sender=xxxxxxx

For example the completed URL is:
http://smsdam.com/http/?action=bulksms&username=ben@infodam.com&password=mypasswd&message=TestMessage&mobile=238088888888&sender=joe

Sending Multiple text message
http://smsdam.com/http/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx&mobile=238088888888,238088888888,238088888888,238088888888,238088888888&sender=xxxxxxx

The above Url is the basic HTTP BULK link structure where the details about each parameter is given below:

For example the completed URL is:
http://smsdam.com/http/?action=bulksms&username=sam@infodam.com&password=mypasswd&message=TestMessage&mobile=238088888888,238088888888,238088888888,238088888888,238088888888&sender=Kenny

Checking Account Balance
To check the account details use the following link:
http://smsdam.com/http/?action=smscredit&username=xxxx&password=xxxxx

For example the completed URL is:
http://smsdam.com/http/?action=smscredit&username=danny@infodam.com&password=mypasswd

Above link will give total remaining credits in the specified account.

Note: For safety delivery using http protocol we advise that contact numbers are grouped in batches of 100. Developer could create a script to loop until all messages are sent in batches of 100

WAP Push messages
The WAP Push message requires the URL GET parameter . You parse the url from where the
WAP Service Indicator should begin download of software, JPEG, MP3 or any other form of
media from to the mobile phone.

NOTE: Do not type url after pre pending HTTP or WWW to it , enter url direct eg
url=wap.smsdam.com/datafiles/32412315132.jpg and not
url=http://wap.smsdam.com/datafiles/32412315132.jpg. The latter would not be allowed on
the smsdam platform.

http://smsdam.com/http/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx
&mobile=9999999999&sender=xxxxxxx&url=wap.smsdam.com/datafiles/32412315132.jpg

The presence of the url parameter informs the system that you are sending a wappush
message.

Flash messages
The flash message requires the flash GET parameter . You simply parse the flash parameter as
TRUE eg flash=1. You parse this along with the other parameters to send a flash message.

NOTE: You do not have to send flash=0 to indicate that the message is not a flash message.
http://smsdam.com/http/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx
&mobile=9999999999&sender=xxxxxxx&flash=1

The presence of the flash parameter flagged off as TRUE informs the system that you are
sending a flash message.

Binary messages
The binary message requires the binary GET parameter . You simply parse the binary parameter
equal to the UDH and the body of the message in hexadecimals or just the hexadecimal then
also parse message equal to BINARY_MESSAGE.

NOTE: Always make sure the message parameter equals BINARY_MESSAGE for binary messaging.

http://smsdam.com/http/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx&mobile=9999999999&sender=xxxxxxx&binary=xxxxxxxxxxxxx+xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx+xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx&message=BINARY_MESSAGE

Delivery reports

Deliver reports are gathered by HTTP GET using the Batch_Number which was sent along with the 1201 response code after sms was sent successfully .

NOTE: You have to parse the following url along with the marker parameter equal to the Batch_Number.

http://smsdam.com/sms//?load=get_report&page=match&marker=Batch_Number