# Advanced Use of the Text Marketer REST API

## An API for Sending SMS Text Messages & Other Services

Integration Guide

Version 1.17

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www.textmarketer.co.uk

# Contents

# Document Change Log

| Date | Version | Detail |
|------|---------|--------|
| 11 March 2014 | 1.17 | - Added capability of checking for numbers in Stop Group prior to sending<br>- Added capability of setting multiple numbers on sending SMS |
| 15 July 2013 | 1.16 | Added *sms* DELETE method for deleting scheduled SMS. |
| 1 July 2013 | 1.15 | Message Box updates |
| 08 Feb 2013 | 1.14 | Document rewrite. |
| 18 June 2012 | 1.13 | Added 'schedule' parameter to *sms* POST. |
| 17 April 2012 | 1.12 | Major update to add calls to create, modify and retrieve account details. DTD version 1.6. |
| 27 February 2012 | 1.11 | Removed reference to deprecated direct download URL of delivery report CSV files |
| 16 February 2012 | 1.10 | Added new *sms* POST options and *deliveryReport* GET request options. DTD version 1.5. |
| 10 February 2012 | 1.9 | Added reference to new client libraries |
| 05 January 2012 | 1.8 | Added extra response attribute to *sms* POST (send). Added *group* GET, *group* PUT, misc corrections. New URL format for *group* POST and deprecated error code 1.<br>DTD version 1.4 |
| 08 December 2011 | 1.7 | Added support for time restrictions on delivery reporting |
| 16 September 2011 | 1.6 | New error code on group POST resource |
| 12 September 2011 | 1.5 | Clarification for character encoding |
| 7 April 2011 | 1.4 | Updated with new REST group resources |
| 1 February 2011 | 1.3 | Rewrite to make it easier for beginners |
| 3 September 2010 | 1.2 | Update to reflect new services |
| 22 March 2010 | 1.1 | Revised resources |
| 3 March 2010 | 1.0 | Initial draft |

Terms of use

Our example code and wrappers are provided for your convenience as an illustration of how you might integrate with our systems and is not certified for production environments. You are responsible for testing and QA.

# Introduction

The REST API is a powerful tool for programmatically controlling your Text Marketer account, sending SMS text messages and many other actions. It is the most feature-rich of our APIs and provides the most detailed information about the success/failure of your requests. Using a RESTful paradigm, our REST API uses standard Internet protocols, making it easily accessible from all programming languages.

**We offer wrapper libraries in various languages that make it very easy to use our API with simple function calls. We recommend you use the wrappers, due to the simplicity they provide. See** www.textmarketer.co.uk/connectivity-with-wrappers.

For those who prefer to integrate with a simpler API, some people find our Simple SMS API is easier, but it does not contain so many features. The Email-to-SMS gateway is also preferred by some people.

## Still want to do it yourself?

This guide provides a one-stop reference for the REST API. It assumes the reader has a basic understanding of the principles of a RESTful API, as covered in our document *A Beginners Guide to RESTful SMS Services*, which is available from www.textmarketer.co.uk/api-documentation.

To program your own client for the REST API, you need to know the difference between POST and GET requests, and be familiar with the principles of XML.

## Example code

If you want to write your own client, example code for interacting with the REST API using your preferred programming language is available at www.textmarketer.co.uk/api-documentation.

## Let's go!

If you're new to our REST API, the first thing you probably want to know is what you can do with it. The following page provides a brief overview, which is explained in more detail later on in the document.

# API Overview – Quick Start Reference Sheet

Here's a summary of the different calls available, if you are building your own client.

| Resource | Method | Action |
|---|---|---|
| sms | POST | Send an SMS |
| sms/<scheduledID> | DELETE | Delete a previously scheduled SMS |
| account | GET | Retrieve account details on your own account |
| account/<account ID> | GET | Retrieve account details on your own account or an account you created |
| account/sub | PUT | Create a sub-account |
| account | POST | Modify account details |
| credits | GET | Get the number of credits on the account |
| credits | POST | Transfer a number of credits to another account |
| deliveryReports | GET | Get a list of delivery reports available |
| deliveryReport/<name> | GET [1] | Get the contents of a delivery report whose name is '<name>'. Using a name of 'all' retrieves all reports. |
| deliveryReport/<name>/<from>/<to> | GET | Same as 1 above, but for specific dates/times |
| deliveryReport/<name>/custom/<tag> | GET [2] | Same as 1 above, but restricts results to a specific custom string tag (specified when you send the SMS) |
| deliveryReport/<name>/custom/<tag>/<from>/<to> | GET | Same as 2 above, but for specific dates/times |
| keywords/<keyword> | GET | Check the availability of the keyword '<keyword>' |
| groups | GET | Get a list of the available send groups |
| group/<group name or ID> | POST | Add number(s) to a given send group |
| group/<group name or ID> | PUT | Create a group with the given name |
| group/<group name or ID> | GET | Get group details including numbers in a group |

The API is accessed at the following URL (and alternatively without SSL):

```
https://api.textmarketer.co.uk/services/rest/<resource (see table above)>
```

e.g., the credits resource can be accessed via the URL:

```
https://api.textmarketer.co.uk/services/rest/credits
```

There is also a **sandbox** service available via the URL (not available via SSL/https):

`http://sandbox.textmarketer.biz/services/rest/`

See more about **Testing with the Sandbox** on page 12.

**Authentication** is handled by passing your *API* username/password as GET/POST arguments, or you can use HTTP Basic Authentication. See more on **Authentication** on page 13.

# Structure of the resource URLs

All resources in the Text Marketer REST API begin with either:

`http://api.textmarketer.co.uk/services/rest/`

or:

`https://api.textmarketer.co.uk/services/rest/`

We recommend that you use SSL (the latter option) to access the API if possible.

All resource names start with a lowercase letter, e.g. '*credits*'. Resource names composed of two words are always in camelCase, e.g. '*deliveryReport*'.

Resource names will sometimes be followed by a resource ID, e.g.

`https://api.textmarketer.co.uk/services/rest/deliveryReport/myreport`

Here, the resource ID, *myreport*, specifies the exact delivery report we wish to access.

As you may have seen, in our documentation resource names are generally written in *bold*.

> NOTE The REST API resource URL will never end in a slash ('/'). This would result in a 404 Not Found response.

# Response from the API

When you make a request to the API, it will respond like a normal HTTP response.

Your programming language will probably provide an easy way to parse the response, however it could be useful to understand how the response is constructed.

## Response header status

Just like a web server, the REST API will provide response headers with a status code and status message. The most useful of these is the **status code**.

The status code will indicate whether the request was successful or not. A '200' status code means a successful request, all other codes indicate an error was encountered. The full list of status codes is found below.

| Status Code | Meaning |
|---|---|
| 200 | OK. We were able to successfully execute the requested operation. |
| 400 | Bad request. There was a problem with your request data, see the status message for details. |
| 403 | Incorrect username/password, or you do not have sufficient rights to access the specified resource. |
| 404 | The specified resource could not be found. |
| 405 | The specified method (GET, POST, PUT or DELETE) is not available for this resource. |
| 500 | An unexpected error occurred. |
| 501 | The method requested has not been implemented. |
| 503 | Service Unavailable. The Web Service is not currently available to serve your request. |

> NOTE Error 503 may be returned if you exceed a certain number of requests per minute. You will see an error message similar to: "*Your 201 requests exceed the maximum allowed of 100 requests within 15 minute(s). Please try again later*". This is to reduce load on our servers, in order to guarantee a good service to all our users. There is no restriction on SMS sends, and you are very unlikely to ever see this message unless you are accidentally repeating calls to the API, such as due to an infinite loop.

In other words, any status code that is not 200 indicates an error that you need to investigate. This is most likely to be a mistake in the way that you are making the call, but in rare situations could be an error at the server end. Either way, you should investigate the error before attempting to make the call again. If after investigation you are unable to determine the cause of the error, please contact Text Marketer (see www.textmarketer.co.uk).

## Response body - errors

The body of the API's HTTP response is XML describing either the errors encountered, or the result of a successful request.

All response bodies contain a '*response*' tag with a '*processed_date*' attribute. The results are contained within the 'response' tag. The 'processed_date' attribute contains the date that the request was processed by the server, in ISO 8601 format.

An error response body might look like this:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/errors.dtd">
<response processed_date="2011-04-12T14:02:00+01:00">
<errors>
      <error code="404">Not Found (ERR255)</error>
</errors>
</response>
```

You can see that the XML above contains a list of errors - in this case only one. The error codes will be specific to the nature of the error. In this case we attempted to access a resource that doesn't exist. So the error code is the same as the response header status code 404, meaning 'resource not found'.

However error codes are sometimes specific to the resource being called. For example, the *sms* resource might return errors like this:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/errors.dtd">
<response processed_date="2011-04-12T14:12:04+01:00">
<errors>
      <error code="10">invalid number or not an integer</error>
      <error code="9">invalid number or too short</error>
      <error code="7">invalid message or missing</error>
      <error code="4">invalid originator or missing</error>
</errors>
</response>
```

In this case, no data was passed to the resource except for the username and password. The errors therefore describe problems with the data passed, like the '*message*' parameter is missing.

The error codes below 200, and all error messages, are specific to the resource and are detailed further below.


DTD

The DTD of the error response is included below for your reference.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
```

```
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/errors.dtd
-->
<!ELEMENT response (errors)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>
<!ELEMENT errors (error?)>
<!ELEMENT error (#PCDATA) >
<!ATTLIST error
   code                       CDATA #REQUIRED
>
```

## Response body – successful requests

A successful request will also produce XML. For example, a successful request to the
*credits* resource would produce something like this:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/credits_get.dtd">
<response processed_date="2011-04-13T15:56:32+01:00">
<credits>442</credits>
</response>
```

The exact response will vary for each resource and is detailed further below.

# Testing with the Sandbox

A sandbox system is available to you for testing. The sandbox will not modify your account in any way, but will respond normally to your requests. In other words if you use the sandbox to get the number of credits on your account, it will provide the correct number. However if you use it to transfer credits between accounts, it will simulate a successful transfer (assuming you have enough credits on the account, and provide valid target account details, etc.) but it will not actually modify the number of credits on either account.

Similarly, the sandbox system will not actually send SMS messages and will not deduct credits for simulated sends.

The sandbox system is available at the URL:

```
http://sandbox.textmarketer.biz/services/rest/
```

i.e. to use the sandbox simply replace this part of the resource URL:

api.textmarketer.co.uk

with this:

sandbox.textmarketer.biz

For example, the **credits** resource URL becomes:

```
http://sandbox.textmarketer.biz/services/rest/credits
```

> NOTE: The sandbox is restricted to a certain number of requests per minute. So you should not use it to test bulk SMS sends. This to reduce load on our servers, in order to guarantee a good service to all our users. There is no restriction on SMS sends on the live system.

# Authentication

For authentication, you must provide your API username and password. This is different to the account username and password that you use to log on to the web interface.

You can find your API username and password via the web interface, Message Box:

`http://messagebox.textmarketer.co.uk/` `(Account Settings > API Config tab)`

There are a couple of ways to pass this information to the API. The first is via the GET/POST variables. For example you could put them in the GET variables like this:

`http://api.textmarketer.co.uk/services/rest/credits?username=u&password=p`

When using the POST action, you would need to add the username/password variables to the POST arguments instead.

The second option, for those who prefer it, is to use HTTP Basic Authentication.

# Fully-validated XML and DTDs

Some people may like to know that the XML produced by the REST API is validated and has associated DTD files specifying the format of the XML responses. The DTDs are available here:

http://api.textmarketer.co.uk/services/rest/DTD/

For reference, the DTD for each resource is also included in the ***Error: Reference source not found*** sections below.

# Resources in detail

The resources listed in the Quick Start Reference on page 6 are described here in more detail.

To recap, the resources available in the REST API are:

- sms (page 15)

- credits (page 23)

- deliveryReports (page 28)

- deliveryReport (page 32)

- groups (page 36)

- group (page 39)

- keywords (page 46)

- account (page 48)

The sections below will cover the methods available (POST, GET, etc.) on each resource, the possible error codes, and the XML format of the successful response.

# The *sms* resource

Resource URL:

`http://api.textmarketer.co.uk/services/rest/sms`

Actions available:

- POST – send a text message
- DELETE – delete a scheduled message

## *sms* POST method

Send a text message to the specified recipient.

POST arguments

The following POST parameters should be used in a POST request.

| Parameter | Value |
|-----------|-------|
| message | The textual content of the message to be sent. |
| | Up to 612 characters (see *Concatenation*below) from the GSM alphabet. The SMS characters we can support are documented below. Please ensure that data is also encoded in UTF-8. |
| to | The recipient (or recipients) you are sending the message to. If you want to send to multiple numbers, use a comma delimited list. Try to include the international code, for example 44 in the UK. |
| originator | A string (up to 11 alpha-numeric characters) or an international mobile number (up to 16 digits) of the sender, to be displayed to the recipient, e.g. 447777123123 for a UK number. |
| email | *Available to* **txtUs Enterprise** *customers only.* Specifies the email address for incoming responses. |
| | If you specify an email address, you must specify an *originator* that is a txtUs Enterprise number that is on your account, or you will get an error response. |
| validity | Optional. An integer from 1 to 72, indicating the number of hours during which the message is valid for delivery. Messages which cannot be delivered within the specified time will fail. |
| custom | Optional. An alpha-numeric string, 1-20 characters long, which will be used to 'tag' your outgoing message and will appear in delivery reports, thus facilitating filtering of reports. |
| schedule | Optional. The date/time to schedule the message for sending.  ISO 8601 format. Scheduled messages will not use any credits until sent, however the API response will indicate the number of credits that will be used when the message is sent. |
| check_stop | If set to 'true', prior to sending the number(s) will checked against the STOP group. |
| username | The username of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |
| password | The password of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |

| Parameter | Value |
|---|---|
| ~~mobile_number~~ | ~~The mobile number of the intended recipient, in international format, e.g. 447777123123. Only one number is allowed. To send a message to multiple recipients, you must call the API for each number.~~<br><br>This parameter will be maintained for backwards compatibility reasons. You should use the 'to' parameter. |

Concatenation

If you exceed 160 characters you automatically invoke concatenation sending. This will mean that each message consists of a 153 character 'chunk', i.e. no longer 160 characters. The extra characters are used to 'glue' the messages together.

Therefore a message that is 307 characters long will actually require 3 text messages to send (153 + 153 + 1). Although it will appear as one long message to the recipient, it will use 3 credits to send.

Supported Characters

Please note we expect the data to be encoded in UTF-8 so for example à is C3 A0



What is the meaning of success or failure?

There is a difference between a successfully sent message, and a successful delivery. Successfully sending a message using the API only means that the number and message appear to be in the correct format and that the message was queued for sending – this does not mean that the destination number exists, or that the message was received by

the recipient.

A delivery report – which you can retrieve through the **deliveryReport** resource – confirms to you what has actually happened to the message. This may change over time, e.g. a delivery report may show a 'PENDING' status for a message 10 minutes after the message was sent, but may show a 'DELIVERED' status after an hour.

The status of messages can change for up to 72 hours after the message was sent. Therefore you may prefer to wait for 72 hours after sending an SMS before trying to retrieve its delivery report.

Example successful response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/sms_post.dtd">
<response processed_date="2011-04-14T12:01:01+01:00">
        <message_id>1006486913</message_id>
        <scheduled_id>0</scheduled_id>
        <credits_used>1</credits_used>
        <status>SENT</status>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| message_id | The unique ID of the message sent. You can use this ID to find the status of the sent message in the delivery report. For SCHEDULED messages (i.e. where you have specified a 'schedule' parameter in the POST variables), the ID will be zero. |
| scheduled_id | The unique ID of the scheduled message. You can use this ID later to delete a previously scheduled message. Unless the message has been scheduled for a future date, the ID will be zero. |
| credits_used | The number of credits used to send the message. If the message is scheduled for future sending, this value indicates how many credits will be used when it is sent. |
| status | Values possible are SENT, QUEUED, or SCHEDULED. Indicates whether the message was put in a queue for processing as soon as resources allow (QUEUED), sent immediately (SENT), or scheduled for future sending at your request (SCHEDULED). |

Specific errors

| Code | Meaning |
|---|---|
| 0 | Refused (bad number or trying international sending without a valid account). |

| Code | Meaning |
| --- | --- |
| 1 | Bad username or password. |
| 2 | You have zero credits. |
| 3 | The originator is invalid or too long. |
| 4 | The originator is invalid or missing. |
| 5 | The message is invalid or too long. |
| 6 | You have insufficient credits to send this message. |
| 7 | The message is invalid or missing. |
| 8 | The message contains unsupported characters (these will be listed in the error message). |
| 9 | The mobile numbers are invalid or too short. |
| 10 | The mobile numbers are invalid or not an integer. |
| 11 | The validity value is out of range. |
| 12 | The custom value is non-alphanumeric or out of range. |
| 13 | The mobile number is in a STOP group. |
| 30 | Invalid email address format. |
| 31 | An email address was specified, but the originator specified was not a txtUs number on your account. |
| 32 | If specified, the validity period (in hours) must be between 1 and 72 inclusive. |
| 33 | If specified, the custom field must be alpha-numeric and up to 20 characters in length. |
| 34 | The 'schedule' parameter is not in ISO 8601 date format. |

Example error response body XML

```
<?xml version="1.0" encoding="ISO–8859–1"?>
<!DOCTYPE response PUBLIC
"–//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/errors.dtd">
<response processed_date="2011–04–14T12:11:27+01:00">
<errors>
      <error code="10">invalid number or not an integer</error>
      <error code="9">invalid number or too short</error>
      <error code="7">invalid message or missing</error>
      <error code="4">invalid originator or missing</error>
</errors>
</response>
```

DTD for *sms* POST

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/sms_post.dtd
-->
<!ELEMENT response (message_id, scheduled_id, credits_used, status)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>
<!ELEMENT message_id (#PCDATA)>
<!ELEMENT scheduled_id (#PCDATA)>
<!ELEMENT credits_used (#PCDATA)>
<!ELEMENT status (#PCDATA)>
```

## *sms* DELETE method

Delete a previously scheduled text message, provided that it hasn't been sent yet.

The DELETE request should be sent to the Resource URL in the following format:

```
http://api.textmarketer.co.uk/services/rest/sms/<scheduledID>
```

e.g. for a scheduled message with ID '101', the URL would be:

```
http://api.textmarketer.co.uk/services/rest/sms/101
```

Example successful response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.biz//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/sms_delete.dtd">
<response processed_date="2013-07-15T15:14:18+01:00">
       <scheduled_id>101</scheduled_id>
       <status>DELETED</status>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| scheduled_id | The Unique ID of the scheduled message that was deleted. |
| status | The status of the message, i.e., DELETED. |

Specific errors

| Code | Meaning |
|---|---|
| 35 | The provided Resource ID is not valid or is malformed. |
| 36 | This can have multiple meanings: either 1) the scheduled message id doesn't exist or belongs to other account than the one using the REST API; or 2) the scheduled message has already been sent and, as so, can't be deleted. |

Example error response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.biz//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/errors.dtd">
<response processed_date="2013-07-15T15:35:56+01:00">
<errors>
       <error code="36">Scheduled message with id: 101 doesn't exist or has already
```

```
been delivered.</error>
</errors>
</response>
```

DTD for *sms* DELETE

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.biz//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http:/api.textmarketer.co.uk/services/rest/DTD/sms_delete.dtd
-->
<!ELEMENT response (scheduled_id, status)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>


<!ELEMENT scheduled_id (#PCDATA)>
<!ELEMENT status (#PCDATA)>
```

# The *credits* resource

Resource URL:

`http://api.textmarketer.co.uk/services/rest/credits`

Actions available:

- GET - get the number of credits currently available on your account

- POST - transfer credits between accounts

## *credits* GET method

Get the number of credits currently available on your account.

Example successful response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/credits_get.dtd">
<response processed_date="2011-04-12T14:00:09+01:00">
<credits>450</credits>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| credits | The number of credits on the account specified by the username/password. |

Specific errors

None.

DTD for *credits* GET

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/credits_get.dtd
-->
<!ELEMENT response (credits)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>
<!ELEMENT credits (#PCDATA)>
```

## *credits* POST method

Transfer credits from the source/master account to the target/sub account.


POST arguments

The following POST parameters should be used in a POST request.

You can use either:

| Parameter | Value |
|---|---|
| quantity | The number of credits to transfer from the source account to the target account. Must be a positive integer. |
| target | The account number of the account to transfer the credits to. |
| username | The username of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |
| password | The password of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |

> TIP: Your account number can be found in the web interface
> http://apps.textmarketer.co.uk/account/ (Settings > Account Settings).

OR you can use (difference highlighted in grey/blue):

| Parameter | Value |
|---|---|
| quantity | The number of credits to transfer from the source account to the target account. Must be a positive integer. |
| target_username | The username of the account to transfer the credits to. |
| target_password | The password of the account to transfer the credits to. |
| username | The username of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |
| password | The password of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |


Example successful response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/credits_post.dtd">
<response processed_date="2011-04-14T11:16:06+01:00">
```

```
<source_credits_before>442</source_credits_before>
<source_credits_after>441</source_credits_after>
<target_credits_before>121</target_credits_before>
<target_credits_after>122</target_credits_after>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| source_credits_before | The number of credits on the source account before the transfer was made. |
| source_credits_after | The number of credits on the source account after the transfer was made. |
| target_credits_before | The number of credits on the target account before the transfer was made. |
| target_credits_after | The number of credits on the target account after the transfer was made. |

Specific errors

| Code | Meaning |
|---|---|
| 0 | There are insufficient credits available to transfer the specified quantity, or the specified quantity is not a positive number |
| 1 | The target account number specified is not a valid number or username/password combination does not refer to any known account |

Example error response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/errors.dtd">
<response processed_date="2011-04-14T11:33:56+01:00">
<errors>
      <error code="0">Invalid number of credits specified: -1</error>
      <error code="1">Invalid destination account number</error>
</errors>
</response>
```

DTD for *credits* POST

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/credits_post.dtd
-->
```

```
<!ELEMENT response (source_credits_before, source_credits_after,
target_credits_before, target_credits_after)>
<!ATTLIST response
    processed_date        CDATA #REQUIRED
>
<!ELEMENT source_credits_before (#PCDATA)>
<!ELEMENT source_credits_after (#PCDATA)>
<!ELEMENT target_credits_before (#PCDATA)>
<!ELEMENT target_credits_after (#PCDATA)>
```

# The *deliveryReports* resource

Resource URL:

`http://api.textmarketer.co.uk/services/rest/deliveryReports`

Actions available:

- GET - retrieve a list of available delivery report names

An *individual* delivery report shows the current known status of all messages sent on a given day, or for a particular campaign. Whereas the resource *deliveryReports* gets a list of available delivery report names, including delivery reports for campaigns.

See **The deliveryReport resource** below for further explanation of delivery reports.

**Delivery report names**

When we receive a delivery report from the operator for a message that you sent, this gets added to a delivery report on your account with a standardised name. The naming format is as follows:

 GatewayAPI_DD-MM-YY

where

- DD is the day in the month
- MM is the month
- YY is the year

each being in a 2-digit format.

So for example:

- GatewayAPI_04-01-09        is valid
- GatewapAPI_12-12-09        is valid
- GatewayAPI_1-1-9           is invalid

When you create a send campaign, with a name, the delivery report for the messages sent for that campaign is given a different name to the delivery report created for messages sent that are not part of a campaign. The delivery report name for named campaigns is:

<campaign name>-DDMMYY

where

- '<campaign name>' is the name you gave to the campaign
- DD is the day in the month
- MM is the month

- YY is the year

the last 3 being in a 2-digit format. So if you created a campaign named 'mycampaign' on 2 April 2011, the delivery report name will be:

mycampaign-020411

## *deliveryReports* GET method

Get a list of available delivery report names.

Example successful response body XML

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/deliveryreports_get.dtd">
<response processed_date="2011-04-14T14:42:40+01:00">
      <userdirectory>SIDHOSS7F7FDS89F</userdirectory>
      <reports quantity="30" >
            <report name="GatewayAPI_14-04-11" last_updated="2011-04-
14T12:05:02+01:00" extension="csv"/>
            <report name="myCampaign" last_updated="2011-04-13T12:50:01+01:00"
extension="csv"/>
      </reports>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
| --- | --- |
| userdirectory | DEPRECATED – this value no longer has any meaning |
| reports | Contains a list of delivery report names, file extension and last-modified dates. |
| quantity | The number of delivery reports available. |
| report | Details of an individual delivery report. |
| name | The name of an individual delivery report. |
| last_updated | The date that an individual delivery report was last updated, in ISO 8601 format.<br>This allows you to determine whether there was a change since you last accessed the report. |
| extension | DEPRECATED – this value no longer has any meaning |

Specific errors

None.

DTD for *deliveryReports* GET

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
```

```
    SYSTEM ID  :
http://api.textmarketer.co.uk/services/rest/DTD/deliveryreports_get.dtd
-->
<!ELEMENT response (userdirectory, reports)>
<!ATTLIST response
   processed_date       CDATA #REQUIRED
>
<!ELEMENT userdirectory (#PCDATA)>
<!ELEMENT reports (report*)>
<!ATTLIST reports
   quantity             CDATA #REQUIRED
>
<!ELEMENT report (#PCDATA) >
<!ATTLIST report
   name                 CDATA #REQUIRED
   last_updated         CDATA #REQUIRED
   extension            CDATA #REQUIRED
>
```

# The *deliveryReport* resource

**Resource URL 1**:

`http://api.textmarketer.co.uk/services/rest/deliveryReport/<reportName>`

e.g. for a delivery report with the name 'mycampaign-020411', the URL would be:

`http://api.textmarketer.co.uk/services/rest/deliveryReport/mycampaign-020411`

NOTE: using the name 'all' allows you to retrieve all campaign/API reports, the URL would be:

`http://api.textmarketer.co.uk/services/rest/deliveryReport/all`

**Resource URL 2**: specific dates and times

`http://api.textmarketer.co.uk/services/rest/deliveryReport/<reportName>/<from-date>/<to-date>`

e.g. to get the delivery reports for 'mycampaign-020411' between 01:00 and 02:00 on 1st Jan 2011:

`http://api.textmarketer.co.uk/services/rest/deliveryReport/mycampaign-020411/2011-01-01T01:00:00+00:00/2011-01-01T02:00:00+00:00`

or all reports between the same times:

`http://api.textmarketer.co.uk/services/rest/deliveryReport/all/2011-01-01T01:00:00+00:00/2011-01-01T02:00:00+00:00`

**Resource URL 3**: specific string tag ('custom')

`http://api.textmarketer.co.uk/services/rest/deliveryReport/<reportName>/custom/<tag>`

The same as *Resource URL 1*, above, except that you also specify a 'tag', which will restrict the search to those messages you sent with that tag (see 'custom' parameter of **sms** POST).

**Resource URL 4**: specific string tag combined with specific dates

As with *Resource URL 2*, you can also combine a date search with the tag search, as follows:

`http://api.textmarketer.co.uk/services/rest/deliveryReport/<reportName>/custom/<tag>/<from>/<to>`

NOTE the dates should be in ISO 8601 format, and of course URL-encoded.

**Actions available**:

- GET - retrieve the complete contents of an individual delivery report, all delivery reports, and also within specific date ranges

An *individual* delivery report shows the current known status of all messages sent on a given day, or for a particular campaign. Whereas the resource *deliveryReports* gets a list of available delivery report names, including delivery reports for campaigns.

See **The deliveryReports resource** above to see how to get a list of available delivery reports and naming conventions.

## What is a delivery report?

A 'success' response from an API **sms** POST call (a send) only confirms that the number and message appear to be in the correct format – this does not mean that the number actually exists, or that the message was received by the recipient.

Whereas a delivery report – which you retrieve through this **deliveryReport** resource – confirms to you what has actually happened to the sent message. This may change over time, i.e. a delivery report may not show a delivered status for a given message 10 minutes after the message was sent, but may show a delivered status after an hour.

The status of messages can change up to 72 hours after the message was sent. Therefore you may prefer to wait for 72 hours after sending an SMS before trying to retrieve its delivery report.

The possible outcomes for a sent message in a delivery report are: PENDING, DELIVERED, REJECTED, FAILED, NON-UK or no report at all.

- "PENDING" means the status of the sent message is currently unknown.

- "REJECTED" means that the relevant operator rejected the message and did not attempt to deliver it.

- "FAILED" probably means that the number doesn't exist (or not anymore), or the recipient didn't turn on their phone to receive the message and it expired.

- "DELIVERED" means the message was received on the handset.

- "NON-UK" means you are on a UK-only account and have tried to send a non-UK number.

Very occasionally there is no delivery report status for a given message at all. This can be due to a failure at the operator end because of exceptionally high load or other problems.

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## *deliveryReport* GET method

Get the contents of an individual delivery report names.

Example successful response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/deliveryreport_get.dtd">
<response processed_date="2011-04-14T16:11:25+01:00">
      <report name="mycampaign-020411" last_updated="2011-04-12T09:25:06+01:00"
extension="csv">
            <reportrow last_updated="2011-04-12T09:21:00+01:00"
mobile_number="447777000001" message_id="1006454672" status="DELIVERED"/>
            <reportrow last_updated="2011-04-12T09:21:00+01:00"
mobile_number="447777000002" message_id="1006454673" status="DELIVERED"/>
      </report>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| report | Details of the delivery report (can be more than one report tag). |
| name | The name of the delivery report. |
| last_updated | The date that an individual delivery report / message status was last updated, in ISO 8601 format. This allows you to determine whether there was a change since you last accessed the report. |
| extension | DEPRECATED – this value no longer has any meaning |
| reportrow | The status of an individual message (i.e. to a particular mobile number) within the delivery report. |
| mobile_number | The mobile number that the message was sent to. |
| status | The status of the message delivery, PENDING, DELIVERED, REJECTED, FAILED, NON-UK (see page 33). |

Specific errors

| Code | Meaning |
|---|---|
| 0 | The custom value must contain only alpha-numeric characters |
| 1 | The custom value must be between 1 and 20 characters in length |
| 2 | The 'from' and 'to' timestamps must be in ISO 8601 format |

> **Note** that status code 404 (not found) is returned if the delivery report does not exist.

DTD for *deliveryReport* GET

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  :
http://api.textmarketer.co.uk/services/rest/DTD/deliveryreport_get.dtd
-->
<!ELEMENT response (report*)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>
<!ELEMENT report (reportrow*) >
<!ATTLIST report
   name            CDATA #REQUIRED
   last_updated    CDATA #REQUIRED
   extension       CDATA #REQUIRED
>
<!ELEMENT reportrow (#PCDATA) >
<!ATTLIST reportrow
   last_updated    CDATA #REQUIRED
   mobile_number   CDATA #REQUIRED
   message_id      CDATA #REQUIRED
   status          (DELIVERED|FAILED|REJECTED|PENDING|NON-UK)  #REQUIRED
   custom          CDATA #IMPLIED
>
```

# The *groups* resource

Resource URL:

`http://api.textmarketer.co.uk/services/rest/groups`

Actions available:

- GET – lists all available 'send groups'.

## *groups* GET method

Get a list of available 'send groups' – pre-defined groups containing a list of mobile numbers to send a message to. Also lists 'stop groups' – numbers in these groups will never be sent messages to. Every account has at least one stop group, so that your recipients can always opt out of receiving messages from you. This is a legal requirement.

Example successful response body XML

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/groups_get.dtd">
<response processed_date="2011-04-14T16:32:40+01:00">
      <groups quantity="2" >
            <group name="short_ZDZY" numbers="0" id="56" is_stop="true"/>
            <group name="mygroup" numbers="0" id="78" is_stop="false"/>
      </groups>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| groups | Contains a list of available groups. |
| quantity | The number of groups available. |
| group | Details of the group. |
| name | The name of the group. |
| id | The unique ID of the group. |
| is_stop | Whether or not this is a 'stop group' – true/false. |
| numbers | The quantity of numbers present in the group. |

Specific errors

None.

DTD

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/groups_get.dtd
-->
<!ELEMENT response (groups)>
```

```
<!ATTLIST response
   processed_date        CDATA #REQUIRED
>
<!ELEMENT groups (group*)>
<!ATTLIST groups
   quantity              CDATA #REQUIRED
>
<!ELEMENT group (#PCDATA) >
<!ATTLIST group
   name                  CDATA #REQUIRED
   numbers               CDATA #REQUIRED
   id                    CDATA #REQUIRED
   is_stop               CDATA #REQUIRED
>
```

# The *group* resource

Resource URL:

`http://api.textmarketer.co.uk/services/rest/group/<group name or ID>`

where:

> <group name or ID> should be replaced with the name or ID of the group to create, modify or retrieve. See the *groups* resource on page 36 for a way of listing group IDs.

or (this is now DEPRECATED):

~~http://api.textmarketer.co.uk/services/rest/group (POST only)~~

Actions available:

- POST – add number(s) to a group. (Does not add to 'merge' groups.)

- GET – show the details of a group, including all numbers in the group

- PUT – create a new group

A group is a set of numbers, either for sending a message to in the case of a 'send group', or to stop numbers from receiving a message in the case of a 'stop group'. See the *groups* resource further above.

## *group* POST method

Add a number/numbers to a group (excluding 'merge' groups).

POST arguments

The following parameters should be used in a POST request.

| Parameter | Value |
|---|---|
| numbers | The MSISDN (mobile number) you wish to add, if you want to add more then one use a comma delimited list. |
| username | The username of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |
| password | The password of the source/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |

The following parameters are DEPRECATED in favour of specifying the group ID/name in the URL. You should NOT use them in any new code, and should remove them from any existing code:

| Parameter | Value |
|---|---|
| id (DEPRECATED) | The unique ID of the group to add to. |

OR you could previously use (now DEPRECATED):

| Parameter | Value |
|---|---|
| name (DEPRECATED) | The name of the group to add to. |

Example successful response body XML

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/group_post.dtd">
<response processed_date="2011-04-15T09:27:42+01:00">
<added quantity="1">
      <number>447777000001</number>
</added>
<stopped quantity="1">
      <number>447777000002</number>
</stopped>
<duplicates quantity="1">
      <number>447777000003</number>
</duplicates>
```

```
</response>
```

Note that the example above shows numbers in all three tags: *added*, *stopped* and *duplicates*. In practice, you will mostly only see numbers listed in the *added* tag.

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| added | A list of numbers that were successfully added to the group. |
| stopped | A list of numbers that were not added to the group because they were already present in a 'stop group'. A 'stop group' contains numbers that should not receive messages. |
| duplicates | A list of numbers that were not added to the group because they were already present in the group. |
| quantity | The count of numbers in the *added*, *stopped* or *duplicates* list. |
| number | A mobile number that was added, stopped, or a duplicate. Note that this will always be in international format. |

Specific errors

| Code | Meaning |
|---|---|
| 0 | The group ID or name was not specified or was invalid. |
| 1 | DEPRECATED. A 404 status code is returned instead. |
| 2 | No numbers were supplied for adding to the group. |
| 3 | A number was not of a valid format. |
| 4 | This service will not add to a merge group. Merge groups are not handled by this resource. |

NOTE A 404 status code is returned if the group specified does not exist.

DTD

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/group_post.dtd
-->
<!ELEMENT response (added, stopped, duplicates)>
<!ATTLIST response
   processed_date  CDATA  #REQUIRED
>
```

```
<!ELEMENT added (number*)>
<!ATTLIST added
   quantity        CDATA #REQUIRED
>
<!ELEMENT stopped (number*)>
<!ATTLIST stopped
   quantity        CDATA #REQUIRED
>
<!ELEMENT duplicates (number*)>
<!ATTLIST duplicates
   quantity        CDATA #REQUIRED
>
<!ELEMENT number (#PCDATA) >
```

## *group* GET method

Shows the details of a group. It will display the same group information as the '*groups* GET' method, except that it shows only one group, and includes all the numbers in the group, if there are any.

Example successful response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/groups_get.dtd">
<response processed_date="2011-04-14T16:32:40+01:00">
        <group name="MyGroup1" numbers="4" id="1" is_stop="false">
                <number>447123000001</number>
                <number>447123000002</number>
                <number>447123000003</number>
                <number>447123000004</number>
        </group>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| group | Details of the group. |
| name | The name of the group. Up to 25 characters. |
| id | The unique ID of the group. |
| is_stop | Whether or not this is a 'stop group' – true/false. |
| numbers | The quantity of numbers present in the group. |
| number | A number present in the group. |

Specific errors

| Code | Meaning |
|---|---|
| 0 | DEPRECATED – status code 400 (bad request) is returned instead. |

NOTE that a 404 status code is returned if the group specified does not exist; 400 is returned if the group name was not specified.

DTD

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/group_get.dtd
-->
<!ELEMENT response (group)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>


<!ELEMENT group (number*) >
<!ATTLIST group
   name                 CDATA #REQUIRED
   numbers              CDATA #REQUIRED
   id                   CDATA #REQUIRED
   is_stop              CDATA #REQUIRED
>


<!ELEMENT number (#PCDATA) >
```

## *group* PUT method

Create a new group.

Example successful response body XML

If no errors are returned, the response is the same as the *group* GET method (page 43); obviously no numbers will be listed since it will be an empty group.

Specific errors

| Code | Meaning |
|------|---------|
| 0 | DEPRECATED – status code 400 (bad request) is returned instead. |
| 1 | A group with that name already exists (group names are not case-sensitive). |
| 2 | The group name is invalid. Only up to 25 alpha-numeric characters, and '-' are allowed. The name cannot consist of only digits, at least one alpha character or '-' must be present. |

NOTE that a 404 status code is returned if the group specified does not exist; 400 is returned if the group name was not specified.

DTD

See the DTD for the *group* GET method (page 43).

# The *keywords* resource

Resource URL:

```
http://api.textmarketer.co.uk/services/rest/keywords/<keyword>
```

e.g. to see if the keyword 'GOLD' is available, the URL is:

```
http://api.textmarketer.co.uk/services/rest/keywords/gold
```

Actions available:

- GET - get the availability of a given reply keyword.

A reply keyword allows you receive incoming text messages to your account by providing people with a keyword, which they text to the short code 88802, e.g. text "CREATE" to 88802 to see this in action.

## *keywords* GET method

Get the availability of a specified reply keyword.

Example successful response body XML

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/keywords_get.dtd">
<response processed_date="2011-04-15T10:13:50+01:00">
<available>true</available>
<recycle>false</recycle>
</response>
```

Response meanings

| XML tag | Meaning |
|---------|---------|
| available | Whether or not the keyword is available for purchase. Boolean: true/false. |
| recycle | Whether or not the keyword was used previously by another client. Boolean: true/false. |

Specific errors

None. Note that a 400 (bad request) status code is returned if the keyword is not specified.

DTD

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/keywords_get.dtd
-->
<!ELEMENT response (available, recycle)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>
<!ELEMENT available (#PCDATA) >
<!ELEMENT recycle (#PCDATA) >
```

# The *account* resource

Resource URL:

`http://api.textmarketer.co.uk/services/rest/account`

or

`http://api.textmarketer.co.uk/services/rest/account/<account ID>`

or

`http://api.textmarketer.co.uk/services/rest/account/sub`

where <account ID> is the alpha-numeric account ID of the account you wish to access.

Actions available:

- GET – retrieve details for an account

- POST – modify an account

- PUT – create an account

## *account* GET method

Retrieves details for an account.

Resource URL:

`http://api.textmarketer.co.uk/services/rest/account`

or

`http://api.textmarketer.co.uk/services/rest/account/<account ID>`

Example successful response body XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE response PUBLIC
"-//textmarketer.co.uk//DTD Web Services REST 1.6//EN"
"http://api.textmarketer.co.uk/services/rest/DTD/groups_get.dtd">
<response processed_date="2012-04-11T11:23:14+02:00">
    <account>
        <account_id>abcdefghijklmnopqrstuvwx</account_id>
        <api_password>my_api_password</api_password>
        <api_username>my_api_username</api_username>
        <company_name>Bill's Bakery</company_name>
        <create_date>20012-02-12T01:00:00+02:00</create_date>
        <credits>833</credits>
        <notification_email>bill@billsbakery.com</notification_email>
        <notification_mobile>447777777777</notification_mobile>
        <password>my_UI_password</password>
        <username>my_UI_username</username>
    </account>
</response>
```

Response meanings

| XML tag/attribute | Meaning |
|---|---|
| account_id | Up to 24 alpha-numeric characters. Your reference for the account, to be used when specifying an account for retrieval that is not the account identified by the API username/password you are using to access the API, i.e. you can use this to specify other accounts that you have created. You may access any account that was created using the account you are using to access the API. |
| api_password | The API password of the account retrieved |
| api_username | The API username of the account retrieved |
| company_name | The company name of the account retrieved |
| create_date | The exact time/date the account was created (in ISO 8601 format) |

| XML tag/attribute | Meaning |
|---|---|
| credits | The number of credits available on the account. If you only wish to retrieve the number of credits, you should use the *credits* resource (see page 23). |
| notification_email | The main email address of the account, used to receive notifications and alerts. |
| notification_mobile | The main mobile number of the account, used to receive notifications and alerts. |
| password | The account password, used to access the account UI at apps.textmarketer.co.uk/account. |
| username | The account username, used to access the account UI at apps.textmarketer.co.uk/account. |

Specific errors

No specific errors.

> NOTE that a 404 status code is returned if the account ID specified does not exist, and 403 if you do not have permission to access the account you specified.

DTD

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
    PUBLIC ID  : -//textmarketer.co.uk//DTD Web Services REST 1.6//EN
    SYSTEM ID  : http://api.textmarketer.co.uk/services/rest/DTD/groups_get.dtd
-->
<!ELEMENT response (account)>
<!ATTLIST response
   processed_date  CDATA #REQUIRED
>
<!ELEMENT account (account_id, api_password, api_username, company_name?,
create_date, credits, notification_email?, notification_mobile?, password,
username)>
<!ELEMENT account_id (#PCDATA)>
<!ELEMENT api_password (#PCDATA)>
<!ELEMENT api_username (#PCDATA)>
<!ELEMENT company_name (#PCDATA)>
<!ELEMENT create_date (#PCDATA)>
<!ELEMENT credits (#PCDATA)>
<!ELEMENT notification_email (#PCDATA)>
<!ELEMENT notification_mobile (#PCDATA)>
<!ELEMENT password (#PCDATA)>
<!ELEMENT username (#PCDATA)>
```

## *account* POST method

Modify account details.

POST arguments

The following parameters can be used in a POST request.

| Parameter | Value |
|---|---|
| account_api_password | Optional. Set a new API password. Between 5 and 20 characters, inclusive. Alpha-numeric (no accented letters), '-' and '_' characters. |
| account_api_username | Optional. Set a new API username. Between 5 and 20 characters, inclusive. Alpha-numeric (no accented letters), '-' and '_' characters. |
| account_password | Optional. Set a new account password (for access to the web UI). Between 5 and 20 characters, inclusive. Alpha-numeric (no accented letters), '-' and '_' characters allowed. |
| account_username | Optional. Set a new account username (for access to the web UI). Between 5 and 20 characters, inclusive. Alpha-numeric (no accented letters), '-' and '_' characters allowed. |
| company_name | Optional. Set a new company name for the account. Between 3 and 40 characters, inclusive. No special restrictions. |
| notification_email | Optional. Sets the email address to which notifications and alerts are sent. Must be a valid email address. |
| notification_mobile | Optional. Sets the mobile number to which notifications and alerts are sent. Must be a valid UK mobile number. |
| username | The username of the accessing/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |
| password | The password of the accessing/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |

Specific errors

| Code | Meaning |
|---|---|
| 2 | The email address you specified is invalid. |
| 3 | The mobile number you specified is not a valid UK mobile number. |
| 4 | A value you tried to set is either too long or too short. See specific error text. |
| 5 | A value you tried to set does not match the required pattern. See specific error text. |
| 7 | The username you specified is already in use. Please choose another. |

NOTE that a 404 status code is returned if the account ID specified does not exist, and 403 if you do not have permission to access the account you specified.

Example successful response body XML

Same as *account* GET method.


DTD

Same as *account* GET method.

## *account* PUT method

Create a sub-account.

`http://api.textmarketer.co.uk/services/rest/account/sub`

Creating a sub-account will attach the new account to the one used to access the API, which becomes the master account.

> NOTE The ability to create accounts is disabled by default. To enable this, please contact Text Marketer.

PUT arguments

The following parameters can be used in a PUT request URL.

| Parameter | Value |
|---|---|
| username | The username of the accessing/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |
| password | The password of the accessing/master account, for authentication. Not required if you use HTTP Basic Authentication instead. |

### Request body parameters

Under the REST methodology, data are sent in the request body.

| Parameter | Value |
|---|---|
| account_password | Optional. Set an account password (for access to the web UI). Between 5 and 20 characters, inclusive. Alpha-numeric (no accented letters), '-' and '_' characters allowed. If you don't supply one, a random password will be used. |
| account_username | Optional. Set an account username (for access to the web UI). Between 5 and 20 characters, inclusive. Alpha-numeric (no accented letters), '-' and '_' characters allowed. If you don't supply one, a random password will be used. |
| company_name | Set a new company name for the account. Between 3 and 40 characters, inclusive. No special restrictions. |
| notification_email | Optional (required if notification_mobile is not set). Sets the email address to which notifications and alerts are sent. Must be a valid email address. |
| notification_mobile | Optional (required if notification_email is not set). Sets the mobile number to which notifications and alerts are sent. Must be a valid UK mobile number. |
| override_pricing | If set to 'true', use the credits rates set on your main account (the |

| Parameter | Value |
|---|---|
| | account used to access the API), rather than the Text Marketer defaults. |
| promo_code | Use a promotional code to put extra credits on the account. |

Note: although you cannot set the API username/password here (they are set to the same values as the account username/password you specify), you can modify them afterwards using the POST method (see above).

Specific errors

| Code | Meaning |
|---|---|
| 0 | Either the email address or mobile number must be supplied. |
| 1 | The company name must be supplied. |
| 2 | The email address you specified is invalid. |
| 3 | The mobile number you specified is not a valid UK mobile number. |
| 4 | A value you tried to set is either too long or too short. See specific error text. |
| 5 | A value you tried to set does not match the required pattern. See specific error text. |
| 6 | A parameter was missing (see specific error text). |
| 7 | The username you specified is already in use. Please choose another. |
| 8 | You have reached your limit for the number of accounts you can create. Please contact Text Marketer to increase this. |

NOTE that a 404 status code is returned if the account ID specified does not exist, and 403 if you do not have permission to access the account you specified.

Example successful response body XML

Same as *account* GET method.

DTD

Same as *account* GET method.