

API Description

VuduMobile Web Application

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Introduction

All successful responses have a status of 200, errors have a status between 400 and 499. All responses are in JSON encoded in UTF-8. All parameters sent to the API must be explicitly encoded in UTF-8.

API for reception of new messages

A request can be made to obtain the list of all the messages received since a certain date and time. Below are example command lines and explanations.

Example request, time zone UTC/GMT:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "date_start=2013-09-09 03:26:00" https://api.vudumobile.net/api/get_feed
```

JSON response:

```
{{"msg_id":1,"direction":"mo","from":"15145555555","to":"15149541234","message":"Meteo","datetime":"2013-09-09 03:26:18","part_count":1},{ "msg_id":2,
"direction":"mo","from":"15145555555","to":"15149541234","message":"Dj","datetime":"2013-09-09
03:34:52","part_count":1},{ "msg_id":3,"direction":"mo","from":"18195555555","to":"15149541234","message":"Demande special damien ","datetime":"2013-09-09
03:40:19","part_count":1},{ "msg_id":7,"direction":"mo","from":"14505555555","to":"15149541234","message":"Salut une chanson pour existe de olivier dion ","datetime":"2013-09-09
04:22:28","part_count":1},{ "msg_id":4,"direction":"mo","from":"14505555555","to":"15149541234","message":"Salut chanson de olivier dion","datetime":"2013-09-09
04:32:39","part_count":1},{ "msg_id":5,"direction":"mo","from":"15145555555","to":"15149541234","message":"Meteo","datetime":"2013-09-09
04:40:16","part_count":1},{ "msg_id":6,"direction":"mt","from":"18195555555","to":"15149541234","message":"Meteo","datetime":"2013-09-09
04:43:12","part_count":1,"status_mt":"sent"}}
```

Request specifying the Montreal time zone:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "date_start=2013-09-08 23:26:00&direction=mo&pref_timezone=America/Montreal" https://api.vudumobile.net/api/get_feed
```

Response with the Montreal time zone:

```
{{"msg_id":1,"direction":"mo","from":"15145555555","to":"15149541234","message":"Meteo","datetime":"2013-09-08
23:26:18","part_count":1},{ "msg_id":2,"direction":"mo","from":"15145555555","to":"15149541234","message":"Dj","datetime":"2013-09-08 23:34:52","part_count":1},{ "msg_id":3,
"direction":"mo","from":"18195555555","to":"15149541234","message":"Demande special","datetime":"2013-09-08
23:40:19","part_count":1},{ "msg_id":4,"direction":"mo","from":"14505555555","to":"15149541234","message":"Salut une chanson de olivier dion ","datetime":"2013-09-09
00:22:28","part_count":1},{ "msg_id":5,"direction":"mo","from":"14505555555","to":"15149541234","message":"Salut chanson de olivier dion","datetime":"2013-09-09
00:32:39","part_count":1}}
```

Request parameter description:

VUDUMOBILE-API-KEY

HTTP header parameter, the value must be the API key. This acts as a security authentication and should never be publicly accessible.

date_start

POST variable, the date and time since the last request. All the new messages since the time will be included in the response.

pref_timezone

Optional POST variable. By default, the time used is *UTC/GMT*. Another time zone can be specified with this variable. For example, if we want to specify and receive the time zone of Montreal, we use the value "America/Montreal". The complete list of supported values: <http://php.net/manual/fr/timezones.php>

direction

Optional POST variable. By default, the direction used is *mo*. The values supported are *mo* and *mt*. Only the *mt* messages include the delivery status (see details below).

Terminology:

mo = Mobile Originated
mt = Mobile Terminated

status_mt

Delivery status:

queued = Message is in transit to the carrier
sent = Message sent to the carrier
delivered = Message was delivered to the carrier
failed = An error occurred with the destination mobile at the carrier

The majority of the accounts support these detailed statuses:

short_message Value	Status	Description
DELIVRD	DELIVERED	We received confirmation the message was delivered to the mobile.
EXPIRED	EXPIRED	No delivery notification received in the expected delay.
UNDELIV	UNDELIVERABLE	The message can't be delivered to the mobile.
ACCEPTD	ACCEPTED	Positive delivery notification, but not as precise as DELIVERED. This status is generally sent when a message is successfully sent to a destination that doesn't support delivery notifications.
UNKNOWN	UNKNOWN	Unknown delivery notification received from the destination. Should generally be treated like a negative delivery notification.

The field is composed of « short_message » followed by « _ » followed by a precise « error_code » (see table below).

Ex.: UNDELIV_300

Status	Error code	Name	Description	Suggested Action
DELIVERED	000	DELIVERED	One of: - DELIVERED status received from operator - Successful billing received from billing system	Consider message delivered and / or billed
ACCEPTED	000	ACCEPTED	One of: - ACCEPTED status received from operator - Message sent to operator which does not support delivery notifications	You will not get a more detailed status. Message is probably delivered.
EXPIRED	101	Retry scheme exhausted	Unable to send message after retrying for the operator's specified number of times.	Retry later
EXPIRED	102	Validity period expired	Validity period expired	Retry later
EXPIRED	103	Stopped waiting for notification	Stopped waiting for a notification from the operator or billing system	At client's discretion
UNDELIVERABLE	104	Configuration error	VuduMobile internal configuration error	Contact VuduMobile
UNDELIVERABLE	105	System error	VuduMobile system error	Contact VuduMobile
UNDELIVERABLE	200	Service not allowed	Subscriber cannot receive message from this service (ex: adult blocked)	Remove this destination from your application
UNDELIVERABLE	201	Account closed	Subscriber account is closed	Remove this destination from your application
UNDELIVERABLE	202	Unbillable	Subscriber is not billable (ex: prepaid user)	Remove this destination from your application
UNDELIVERABLE	203	Temporarily unbillable	Temporarily unbillable subscriber (ex: out of credit)	Retry later
UNDELIVERABLE	204	Account locked	Subscriber account is locked	Subscriber should probably be removed from application.
UNDELIVERABLE	205	Spending limit reached	Subscriber spending limit reached	Stop sending messages to this subscriber until next billing period
UNDELIVERABLE	206	Billing system error	Billing system error	At client's discretion
UNDELIVERABLE	250	Subscription already exists	Subscription attempt failed since this mobile number is already subscribed to this service. You either sent a duplicate subscription request or the subscriber is attempting to sign-up for more than one subscription at the same time for the same service.	You may have sent a subscription request instead of a renewal request. If this is not the case, and believe this notification is not normal, contact VuduMobile.
UNDELIVERABLE	251	Subscription does not exist	Subscription renewal attempt on a user which is not subscribed to this service.	You should check if you did send a successful subscription attempt for this user.
UNDELIVERABLE	252	Subscription is not active	Subscription renewal attempt on a user which is no longer active.	You should remove this user from your database and should verify that you handle cancellations and refunds correctly.
UNDELIVERABLE	253	Prior billing still pending	Prior subscription or renew request still being processed.	Contact VuduMobile
UNDELIVERABLE	254	Duplicate renew request	You may be attempting to renew a second time for the current month or before the anniversary date of the current month.	Validate your renewal logic.
UNDELIVERABLE	259	Miscellaneous subscription error	Miscellaneous subscription or renew request error.	You can retry this subscription or renew the following day, up to 3 days. If you still get this error, contact VuduMobile.

UNDELIVERABLE	300	Undeliverable	Unable to deliver message to the handset. Handset may be powered off, out of reach, or the SMS message inbox may be full. Some carriers also use this error as a "generic" failure error.	At client's discretion
UNDELIVERABLE	301	Invalid message length	Invalid message length error received while sending message to operator.	Fix message length (not all carriers support 160 characters)
UNDELIVERABLE	302	Invalid source number	Invalid Source number error received while sending message to operator.	Change source number or contact VuduMobile
UNDELIVERABLE	303	Invalid destination number	Invalid Destination number error received while sending message to operator.	Remove this destination from your application
UNDELIVERABLE	304	Destination number blacklisted	Destination number is blacklisted by the operator	Remove this destination from your application
UNDELIVERABLE	305	Failed message delivery	Operator was not able to deliver message	Retry later
EXPIRED	306	EXPIRED	EXPIRED status received from operator	At client's discretion
UNDELIVERABLE	307	Operator system error	Operator system error	At client's discretion
UNKNOWN	399	UNKNOWN	UNKNOWN status received from operator	At client's discretion

Error message:

If there's an error, the request returns:

```
{
  "status": false,
  "error": "error description"
}
```

API to send an SMS message

A request can be made to send a message via the VuduMobile web application. Below are example codes and explanations.

Example request to send a message:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "to=1514555555&message=test+message" https://api.vudumobile.net/api/send
```

JSON response:

```
{"status": true, "msg_id": 522}
```

Note: the value of msg_id corresponds to the unique numeric identifier of the message sent.

Request parameter description:

VUDUMOBILE-API-KEY

HTTP header parameter, the value must be the API key. This acts as a security authentication and should never be publicly accessible.

to

Telephone number to which the message is sent. Although it's not required, it should normally be composed of 11 numbers with the prefix «1».

message

According to the length of the text message sent, it will be invoiced according to the number of parts used to send it all. Usage of special characters like è, ç, ë and others (see the complete list at https://en.wikipedia.org/wiki/GSM_03.38), reduces the maximum number of characters available for each part. The table below indicates the number of parts used to deliver a message including only standard characters or including at least one special character.

Number of parts	Standard characters	Special characters
1	160	70
2	306	134
3	459	201
4	612	268
5	765	335
6	918	402
7	1071	469
8	1224	536
9	1377	603
10	1530	670

Resources to calculate the number of parts:

<https://messente.com/documentation/tools/sms-length-calculator>

<https://github.com/instasent/sms-counter-php>

<https://github.com/danxexe/sms-counter>

Error message:

If there's an error, the request returns:

```
{  
  status: false,  
  error: "error description"  
}
```


Microsoft ASP.Net code example

Sending an SMS message

```
client = New System.Net.WebClient()
client.Encoding = Encoding.UTF8
client.Headers.Add("VUDUMOBILE-API-KEY", "25cKYq*****36w0AY")

smsParam = New NameValueCollection
smsParam.Add("to", "15145555555")
smsParam.Add("message", "A test message")

smsResponse = client.UploadValues("https://api.vudumobile.net/api/send", smsParam)
```

Microsoft C# code example

Obtaining new messages received

```
System.Net.WebClient client = new System.Net.WebClient();
client.Encoding = System.Text.Encoding.UTF8;
client.Headers.Add("VUDUMOBILE-API-KEY", "25cKYq*****36w0AY");

System.Collections.Specialized.NameValueCollection smsParam = new System.Collections.Specialized.NameValueCollection();
smsParam.Add("date_start", "2013-09-08 23:26:00");
smsParam.Add("pref_timezone", "America/Montreal");

byte[] smsResponse = client.UploadValues("https://api.vudumobile.net/api/get_feed", smsParam);
```

PHP code example

Sending an SMS message

```
<?php
$fields = array(
    'to' => '15145555555',
    'message' => 'test message'
);
//url-ify the data for the POST
foreach($fields as $key=>$value) { $fields_string .= $key.'='.$value.'&'; }
rtrim($fields_string, '&');

$ch = curl_init();
curl_setopt($ch, CURLOPT_HTTPHEADER, array('VUDUMOBILE-API-KEY: 25cKYq*****36w0AY'));
curl_setopt($ch, CURLOPT_URL, 'https://api.vudumobile.net/api/send');
curl_setopt($ch, CURLOPT_POST, count($fields));
curl_setopt($ch, CURLOPT_POSTFIELDS, $fields_string);
curl_setopt($ch, CURLOPT_HEADER, 0);

$result = json_decode(curl_exec($ch));
curl_close($ch);

if (!$result->status) {
    // error
}
?>
```

API to send an email message

A request to send an email message via the VuduMobile service. Below are example command lines and explanations. The parameters *to*, *subject*, *message* and *format* are required. The parameter *format* must be either *text* or *html* according to the desired case.

Example request to send an email message:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d  
"to=some%40some.com&subject=my+subject&message=test+message&format=text" https://api.vudumobile.net/api/send_email
```

JSON response:

```
{  
  "status": true  
}
```

JSON response with error if the parameter *to*, *subject*, *message* or *format* is missing from the request:

```
{  
  "status": false,  
  "error": "to, subject, message or format parameter is missing"  
}
```

JSON response with error if the parameter *to* is not a valid email:

```
{  
  "status": false,  
  "error": "to is not a valid email address"  
}
```

API to obtain the contacts of a group

A request to receive a list of all the contacts of a certain group. Below are example command lines and explanations. The parameter *group* is required.

Example request, « All » group:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=All" https://api.vudumobile.net/api/get_contacts
```

JSON response:

```
{
  "group": {
    "id": 6,
    "group_name": "All",
    "created_at": "0000-00-00 00:00:00",
    "system": 1
  },
  "contacts": [
    {
      "id": 1,
      "created_at": "2016-03-02 21:45:54",
      "number": "15145555555",
      "name": "John Smith",
      "description": "Dev",
      "email": "some@some.com",
      "icon": "https://api.vudumobile.net/assets/images/contact_icons/default.png",
      "is_blocked": 0,
      "user_id": "0",
      "language": "fr",
      "created_at_unix": 1456955154
    }
  ]
}
```

JSON response with error if the parameter group is missing from the request:

```
{
  "status": false,
  "error": "group parameter is missing"
}
```

Example request, group 6:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=6" https://api.vudumobile.net/api/get_contacts
```

This returns the same response as if we use the group's name, but the result won't be affected by a group name change. Note the parameter isn't case sensitive.

Groups of type system=1 can't be deleted, but it's possible to delete the others from the platform. Only two system groups exist: ALL and BLOCKED.

API to search for a contact

A request to search for the existence of a contact with his/her information. Below are example command lines and explanations. The parameter *number*, *email* or *id* is required.

Example request by number:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "number=15145555555" https://api.vudumobile.net/api/get_contact
```

Example request by email:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "email=some%40some.com" https://api.vudumobile.net/api/get_contact
```

Example request by unique identifier:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "id=1" https://api.vudumobile.net/api/get_contact
```

JSON response:

```
{
  "status": true,
  "contact": [
    {
      "id": 1,
      "number": "15145555555",
      "name": "John Smith",
      "description": "Dev",
      "email": "some@some.com",
      "icon": "https://api.vudumobile.net/assets/images/contact_icons/default.png",
      "is_blocked": 0,
      "user_id": "0",
      "language": "fr",
      "created_at_unix": 1456955154
      "groups": [
        {
          "id": 1,
          "group_name": "Tous",
          "created_at": "0000-00-00 00:00:00",
          "system": "1",
        }
      ]
    }
  ]
}
```

JSON response if the parameter number, id and email is missing from the request:

```
{
  "status": false,
  "error": "Contact number or email required"
}
```

API to add a contact

A request to add a contact with his/her information. Below are example command lines and explanations. Only the *number* or *email* parameter is required.

The parameter *language*, if omitted, will be the value of *default_language* of your account. Only «fr» or «en» are currently available.

The parameter *user_id*, if omitted, will be 0 (not associated to a user).

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d  
"number=1514555555&name=John%20Smith&description=Dev&email=some%40some.com&language=fr&user_id=" https://api.vudumobile.net/api/post_contact
```

Successful JSON response:

```
{  
  "status": true,  
  "contact": [  
    {  
      "id": 1,  
      "number": 1514555555,  
      "name": "John Smith",  
      "description": "Dev",  
      "email": "some@some.com",  
      "icon": "https://api.vudumobile.net/assets/images/contact_icons/default.png",  
      "is_blocked": 0,  
      "user_id": "0",  
      "language": "fr",  
      "created_at_unix": 1456955154  
    }  
  ]  
}
```

JSON response with error if the contact already exists:

```
{  
  "status": false,  
  "error": "Contact already exists with this number"  
}
```

JSON response with error if the parameter number or email is missing from the request:

```
{  
  "status": false,  
  "error": "Contact number or email required"  
}
```

API to modify a contact

A request to modify a contact's information. Below are example command lines and details on the server responses. Only sent parameters will affect the contact's information. Only the *id* and *number* or *email* parameters are required.

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d  
"id=1&number=1514555555&name=John%20Smith&description=Dev&email=some%40some.com&language=fr" https://api.vudumobile.net/api/post_contact
```

Successful JSON response:

```
{  
  "status": true,  
  "contact": [  
    {  
      "id": 1,  
      "number": "1514555555",  
      "name": "John Smith",  
      "description": "Dev",  
      "email": "some@some.com",  
      "icon": "https://api.vudumobile.net/assets/images/contact_icons/default.png",  
      "is_blocked": 0,  
      "user_id": "0",  
      "language": "fr",  
      "created_at_unix": 1456955154  
    }  
  ]  
}
```

JSON response with error if the contact already exists:

```
{  
  "status": false,  
  "error": "Contact already exists with this number"  
}
```

JSON response with error if the parameter *number*, *email* or *id* is missing from the request:

```
{  
  "status": false,  
  "error": "Contact number or email required"  
}
```

API to delete a contact

A request to delete a contact. Below are example command lines and explanations. The parameter *number*, *email* or *id* is required.

Example request by number:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "number=15145555555" https://api.vudumobile.net/api/delete_contact
```

Example request by email:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "email=some%40some.com" https://api.vudumobile.net/api/delete_contact
```

Example request by unique identifier:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "id=123" https://api.vudumobile.net/api/delete_contact
```

Successful JSON response:

```
{  
  "status": true  
}
```

JSON response with error if the contact doesn't exist:

```
{  
  "status": false,  
  "error": "Contact not found"  
}
```

JSON response with error if the parameter *number*, *email* or *id* is missing from the request:

```
{  
  "status": false,  
  "error": "Contact number, email or id required"  
}
```

API import a contact list (.CSV)

A request to import an entire list of contacts in .CSV format. Below are example command lines and details on the server responses. The parameters *file* and *email* are required. The parameter *overwrite* (1 or 0), optional but 0 by default, determines if the contacts should be overwritten or not. The parameter *email* determines the address to send the confirmation that the importation has been completed and it must be associated to a user in your web platform.

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "file=abc.csv&overwrite=0&email=some%40some.com"
https://api.vudumobile.net/api/import_contacts
```

Successful JSON response:

```
{
  "status": true,
  "email": "some@some.com"
}
```

JSON response with error if the parameter *file* is missing from the request:

```
{
  "status": false,
  "error": "File required"
}
```

JSON response with error if the parameter *email* is not associated to a user on your web platform:

```
{
  "status": false,
  "error": "The email some@some.com must be associated to a user on your account"
}
```

JSON response with error if the csv file isn't of the correct format:

```
{
  "status": false,
  "error": "Wrong delimiters"
}
```

Ou

```
{
  "status": false,
  "error": "CSV file malformed"
}
```

Ou

```
{
  "status": false,
  "error": "CSV file could not be read"
}
```


API to obtain the list of groups

A request to obtain the list of all the groups. Below are example command lines and explanations.

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" https://api.vudumobile.net/api/get_groups
```

JSON response:

```
{
  "status": true,
  "groups": [
    {
      "id": 1,
      "group_name": "Tous",
      "created_at": "0000-00-00 00:00:00",
      "system": 1
    },
    {
      "id": 10,
      "group_name": "Blocked",
      "created_at": "0000-00-00 00:00:00",
      "system": 1
    },
    {
      "id": 11,
      "group_name": "Marketing",
      "created_at": "2016-03-02 21:45:54",
      "system": 0
    }
  ]
}
```

There are two system groups: TOUS and BLOCKED.

API to add or modify a group

A request to add or modify a group. Below are example command lines and explanations.

Example request to add a group:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group_name=test" https://api.vudumobile.net/api/post_group
```

JSON response:

```
{
  "status": true,
  "group": {
    "id": 26,
    "group_name": "test",
    "created_at": "2017-01-06 23:02:27",
    "system": 0
  }
}
```

JSON response with error if the group already exists:

```
{
  "status": false,
  "error": "group already exists"
}
```

Example request to modify a group:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group_id=26&group_name=NEW_test" https://api.vudumobile.net/api/post_group
```

JSON response:

```
{
  "status": true,
  "group": {
    "id": 26,
    "group_name": "NEW_test",
    "created_at": "2017-01-06 23:02:27",
    "system": 0
  }
}
```

JSON response with error if modifying a group that doesn't exist:

```
{
  "status": false,
  "error": "group doesn't exist"
}
```

There are two system groups that can't be modified: TOUS and BLOCKED.

JSON response with error if attempting to modify a system group:

```
{
  "status": false,
  "error": "system groups can't be modified"
}
```

API to add a group to a contact

A request to add a group to a contact. The parameter *group* is required and if it's numeric, the value is considered a unique identifier rather than the name of the group. The parameter *contact* is required and represents the numeric phone number, email or unique identifier. Below are example command lines and explanations.

Example request to add a group to a contact via phone number:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=test&contact=1514555555"
https://api.vudumobile.net/api/add_group_contact
```

Example request to add a group to a contact via unique identifier:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=test&contact=1" https://api.vudumobile.net/api/add_group_contact
```

Successful JSON response:

```
{
  "status": true
}
```

JSON response with error if the contact doesn't exist:

```
{
  "status": false,
  "error": "contact not found"
}
```

JSON response with error if the group doesn't exist:

```
{
  "status": false,
  "error": "group not found"
}
```

If the contact is already member of the group, the contact isn't added a second time and the response will still be a success.

API to delete a group from a contact

A request to delete a group from a contact. The parameter *group* is required and if it's numeric, the value is considered a unique identifier rather than the name of the group. The parameter *contact* is required and represents the numeric phone number, email or unique identifier. Below are example command lines and explanations.

Example request to delete a group to a contact via a phone number:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=test&contact=15145555555" https://api.vudumobile.net/api/delete_group_contact
```

Example request to delete a group to a contact via unique identifier:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=test&contact=1" https://api.vudumobile.net/api/delete_group_contact
```

Successful JSON response:

```
{
  "status": true
}
```

JSON response with error if the contact doesn't exist:

```
{
  "status": false,
  "error": "contact not found"
}
```

JSON response with error if the group doesn't exist:

```
{
  "status": false,
  "error": "group not found"
}
```

If the contact wasn't member of the group, the response will still be a success.

API to delete a group

A request to delete a group. The contacts of this group are not deleted. Below are example command lines and explanations. The *group* parameter is required and if it's numeric, the value is considered like the unique identifier rather than the name of the group.

Example request with the group name:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=test" https://api.vudumobile.net/api/delete_group
```

Example request with the group's unique identifier:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "group=26" https://api.vudumobile.net/api/delete_group
```

Successful JSON response:

```
{  
  "status": true  
}
```

JSON response with error if the group doesn't exist:

```
{  
  "status": false,  
  "error": "group not found"  
}
```

JSON response with error if the *group* parameter is missing from the request:

```
{  
  "status": false,  
  "error": "group parameter is missing"  
}
```

There are two system groups that can't be deleted: TOUS and BLOCKED.

JSON response with error if attempting to delete a system group:

```
{  
  "status": false,  
  "error": "system groups can't be deleted"  
}
```

API to obtain list of broadcasts

A request to obtain the list of all the broadcasts. Below are example command lines and explanations.

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" https://api.vudumobile.net/api/get_broadcasts
```

JSON response:

```
{
  "status": true,
  "broadcasts": [
    {
      "id": "51",
      "number_sent": "0",
      "number_failed": "0",
      "number_delivered": "0",
      "number_total": "0",
      "launch_date": "2017-01-29 22:18:15",
      "end_date": null,
      "name": "Test",
      "message": "This ia a test broadcast.",
      "broadcast_status": "pending",
      "from_groups": [
        "B"
      ],
      "list": null,
      "fr_email": "Email text FR",
      "en_email": "Email text EN",
      "fr_subject": "Email subject FR",
      "en_subject": "Email subject EN"
    },
    {
      "id": "50",
      "number_sent": "1",
      "number_failed": "0",
      "number_delivered": "1",
      "number_total": "1",
      "launch_date": "2017-01-11 16:36:01",
      "end_date": "2017-01-11 16:36:01",
      "name": "Broadcast By User Test Scheduled 6",
      "message": "Broadcast By User Test Scheduled 6",
      "broadcast_status": "completed",
      "from_groups": [
        "Marketing"
      ],
      "list": [
        {
          "id": "1021",
          "direction": "mt",
          "number": "15145555555",
          "user_id": "-1",
          "contact": "15146003380",
          "message": " Broadcast By User Test Scheduled 6",
          "dt": "2017-01-11 16:36:01",

```

```
"delivered_at": null,  
"status_mt": "sent",  
"replied_at": null,  
"user_id_replied": "0",  
"deleted": "0",  
"is_kw": "0",  
"part_count": "1",  
"read": "1",  
"flag": "0"  
}  
},  
"fr_message": "Sms message FR",  
"en_message": "Sms message EN",  
}  
}
```

The valid values for *broadcast_status* are:

pending	The broadcast hasn't yet started
in_progress	The broadcast is currently being sent
completed	The broadcast has completed with success
failed	The broadcast couldn't start

These values are available depending if the broadcast contains SMS and/or emails:

SMS: fr_message, en_message
Email: fr_email, en_email, fr_subject

API to obtain a specific broadcast

A request to obtain the details of a specific broadcast. Below are example command lines and explanations.

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "broadcast=50" https://api.vudumobile.net/api/get_broadcast
```

JSON response:

```
{
  "status": true,
  "broadcast": {
    "number_sent": "1",
    "number_failed": "0",
    "number_delivered": "1",
    "number_total": "1",
    "launch_date": "2017-01-11 16:36:01",
    "end_date": "2017-01-11 16:36:01",
    "name": "Broadcast By User Test Scheduled 6",
    "broadcast_status": "completed",
    "from_groups": [
      "Marketing"
    ],
  },
  "list": [
    {
      "id": "1021",
      "direction": "mt",
      "number": "15145555555",
      "user_id": "-1",
      "contact": "15146003380",
      "message": " Broadcast By User Test Scheduled 6",
      "dt": "2017-01-11 16:36:01",
      "delivered_at": null,
      "status_mt": "sent",
      "replied_at": null,
      "user_id_replied": "0",
      "deleted": "0",
      "is_kw": "0",
      "part_count": "1",
      "read": "1",
      "flag": "0"
    }
  ],
  "fr_message": "Sms message FR",
  "en_message": "Sms message EN",
  "fr_email": "Email text FR",
  "en_email": "Email text EN",
  "fr_subject": "Email subject FR",
  "en_subject": "Email subject EN"
}
```


The valid values for *broadcast_status* are:

pending	The broadcast hasn't yet started
in_progress	The broadcast is currently being sent
completed	The broadcast has completed with success
failed	The broadcast couldn't start

These values are available depending if the broadcast contains SMS and/or emails:

SMS: fr_message, en_message
Email: fr_email, en_email, fr_subject

JSON response with error if the broadcast doesn't exist:

```
{  
  "status": false,  
  "error": "broadcast not found"  
}
```

API to delete a broadcast

A request to delete a broadcast. If the broadcast has already been sent, the sent messages won't be deleted. Below are example command lines and explanations. The parameter *broadcast* is required and must be a unique identifier.

Example request with broadcast unique identifier:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "broadcast=50" https://api.vudumobile.net/api/delete_broadcast
```

Successful JSON response:

```
{  
  "status": true  
}
```

JSON response with error if the broadcast doesn't exist:

```
{  
  "status": false,  
  "error": "broadcast not found"  
}
```

JSON response with error if the parameter *broadcast* is missing from the request:

```
{  
  "status": false,  
  "error": "broadcast identifier parameter is missing"  
}
```

API to start a broadcast

A request to start a broadcast. The parameter *broadcast* is required and must be the numeric unique identifier. Below are example command lines and explanations.

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "broadcast=50" https://api.vudumobile.net/api/start_broadcast
```

JSON response with error if the parameter *broadcast* is missing from the request:

```
{  
  "status": false,  
  "error": "broadcast identifier parameter is missing"  
}
```

JSON response with error if the broadcast has already been sent:

```
{  
  "status": false,  
  "error": "broadcast has already been sent or started"  
}
```

JSON response with error if the broadcast doesn't exist:

```
{  
  "status": false,  
  "error": "broadcast not found"  
}
```

JSON response with error if the broadcast doesn't contain any valid destinations:

```
{  
  "status": false,  
  "error": "broadcast has no valid recipients"  
}
```

API to add a broadcast

A request to add a broadcast. The parameters *name*, *from_groups* and at least one of *fr_message* or *en_message* are required. Below are example command lines and explanations.

Example request to create a broadcast:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "name=test&fr_message=message_text&en_message=message_text
&fr_subject=email_subject_text&en_subject=email_subject_text&fr_email=email_text&en_email=email_text&from_groups=1,2&launch_date=2018-01-01 12:00:00"
https://api.vudumobile.net/api/post_broadcast
```

Successful JSON response:

```
{
  "status": true,
  "broadcast": {
    "id": 26
  }
}
```

JSON response with creation error:

```
{
  "status": false,
  "error": "Invalid broadcast information"
}
```

The parameter *from_groups* can contain multiple groups separated by a comma. Do not include a comma if there is only one group.

The optional parameter *launch_date* allows scheduling of the broadcast and must be in UTC date format.

An SMS by language (French and/or English) is available. The broadcast will adjust according to the contact's language.

If an email should be sent, you can specify these optional parameters:

- For the subject: *fr_subject*, *en_subject*
- For the body of the email: *fr_email*, *en_email*

In the message parameters (*fr_message*, *en_message*, *fr_subject*, *en_subject*, *fr_email* and *en_email*, you can use multiple variables from the address book:

- **_NAME_**: Displays the name of the contact
- **_EMAIL_**: Displays the email of the contact
- **_NUMBER_**: Displays the number of the contact
- **_NOTES_**: Displays the description of the contact

API to modify a broadcast

A request to modify a broadcast's information. Below are example command lines and explanations. Only sent parameters will affect the broadcast's information. Only the *broadcast* parameter is required.

Example request to modify a broadcast:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "broadcast=26&
name=test&fr_message=message_text&en_message=message_text&fr_subject=email_subject_text&en_subject=email_subject_text&fr_email=email_text&en_email=email_text&
rom_groups=1,2&launch_date=2018-01-01 12:00:00" https://api.vudumobile.net/api/post_broadcast
```

Successful JSON response:

```
{
  "status": true,
  "broadcast": {
    "id": 26
  }
}
```

JSON response with error if the broadcast has already been sent:

```
{
  "status": false,
  "error": "broadcast has already been sent or is currently being processed"
}
```

JSON response with error if the broadcast doesn't exist:

```
{
  "status": false,
  "error": "broadcast not found"
}
```

API to test a broadcast

A request to test a broadcast before sending it to all its recipients. This is often useful when using the field variables. The parameter *broadcast* is required and the value is considered the identifier. The parameter *contact* is required and the value is considered the phone number, email or unique identifier. Below are example command lines and explanations.

Example request:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36wDAY" -d "broadcast=50&contact=1514555555" https://api.vudumobile.net/api/test_broadcast
```

Successful JSON response:

```
{  
  "status": true,  
}
```

JSON response with error if the broadcast doesn't exist:

```
{  
  "status": false,  
  "error": "broadcast not found"  
}
```

JSON response with error if the parameter *broadcast* or *contact* is missing from the request:

```
{  
  "status": false,  
  "error": "Contact and broadcast required"  
}
```

API to send a verification code

A request can be made to send a verification code via the VuduMobile web application. The application will determine whether the number is a cellular line or a landline, and will send the code by SMS or by voice call accordingly and respectively. Below are example codes and some explanations.

Example request to send a verification code:

```
curl -X POST -H "VUDUMOBILE-API-KEY: 25cKYq*****36w0AY" -d  
"to=15145555558code=1234&language=fr&request_id=56789" https://api.vudumobile.net/api/send_verification
```

JSON response:

```
{  
  "status": true,  
  "request_id": "56789"  
}
```

Request parameter description:

VUDUMOBILE-API-KEY

HTTP header parameter, the value must be the API key. This acts as a security authentication and should never be publicly accessible.

to

Telephone number to which the verification code is sent. It should normally be composed of 11 numbers with the prefix « 1 ».

code

The verification code; composed of 4 to 10 digits.

language

The language in which the verification code is sent. Only « fr » or « en » are currently available.

request_id

The verification request ID. When omitted, the application will generate one. The request ID is returned with a successful response.

Error message:

If there's an error, the request returns:

```
{  
  "status": false,  
  "error": "texte de l'erreur"  
}
```

Diagnostic and support

It is important to communicate your fixed IP (or list of IP) to the VuduMobile technical team (jean-rene.auger@vudumobile.ca). For the protection of your account, by default our firewall blocks access to the API from all IP.

In all cases (refused IP, bad parameters, missing API key, etc.), you should receive a response from the API, for example:

```
{"status":false,"error":"The API is not accessible from your IP (192.168.0.1) using API key 25cKYq*****36w0AY"}
```

A simple test that can be done from your network (if Linux or mac):

```
wget -d https://api.vudumobile.net/api/send
```

which should give diagnostic information, such as:

```
{"status":false,"error":"API Key parameter is missing"}
```

Obtaining the above error message indicates proper connectivity with the API.