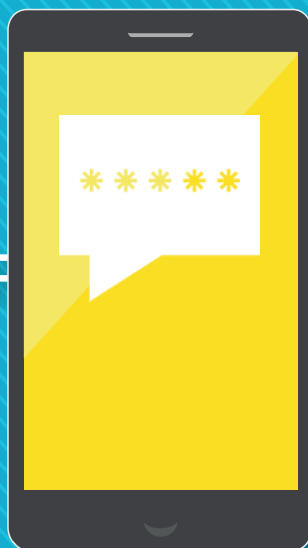


sMsmode

Mobile Marketing and Messaging Solutions

WEB-BASED SMS SENDING PLATFORM

API ONE-TIME PASSWORD

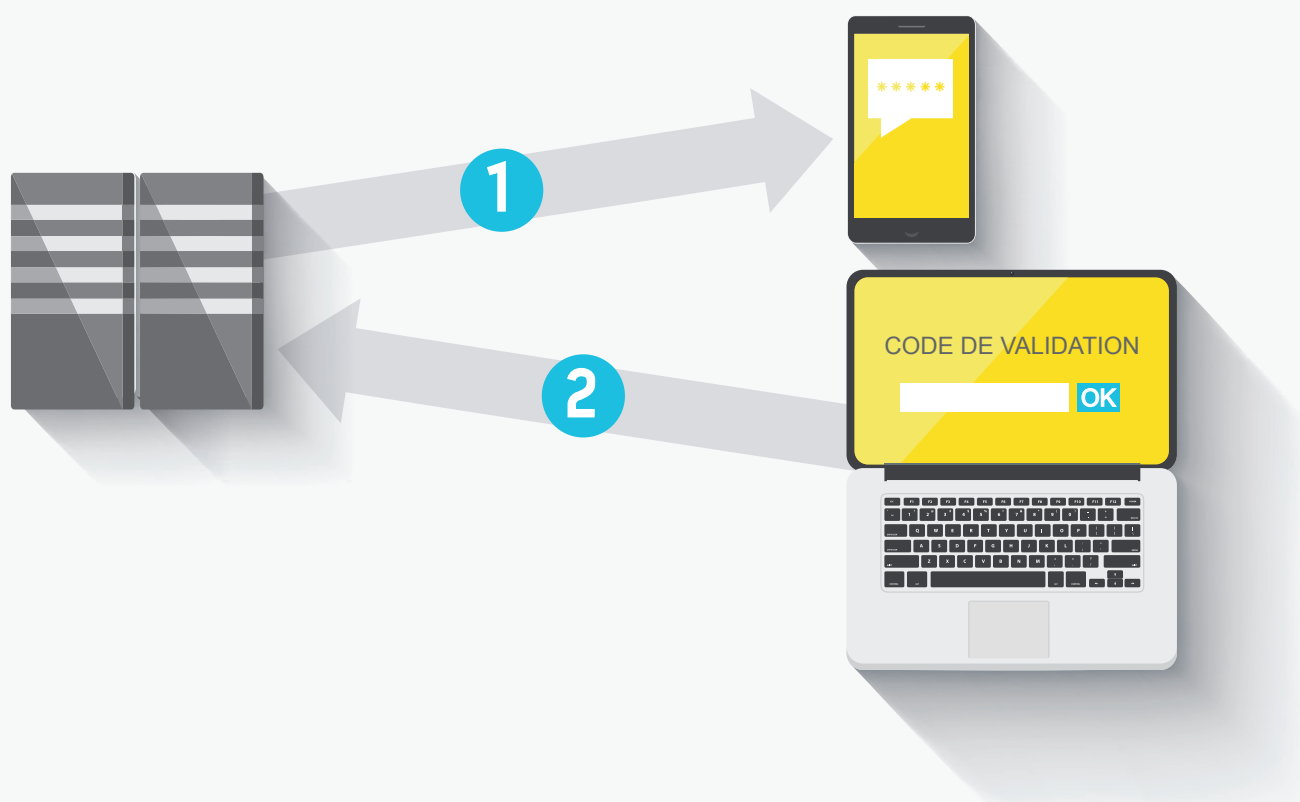


DOCUMENTATION

WHAT OTP API?

Our OTP (One Time Password) solution includes two steps:

- 1 sending a single usage authentication token
- 2 validating code entered by the user



Our API offers two methods (one for each OTP's step). The first one allow you to send a single usage authentication token. The second one allow you to validate the token used by the user against the generated token.

The goal of this doculent is to explain the usage of these two methods and to detail the error code that can be returned by the system.

1 • SENDING TOKEN TO USER MOBILE

This method allow you to send a single usage token to the user's cell phone by SMS. This is the first step of the OTP process.

REQUEST SAMPLE

```
https://api.smsmode.com/http/2.0/sendValidationSMS.do?username=jean&pass=pass&to=336xxxxxxx&message=Bonjour%2C%20votre%20code%20de%20validation%20est%20le%20%24code
```

BASE URL

```
https://api.smsmode.com/http/2.0/sendValidationSMS.do
```

ENCODING

Only a limited set of characters can be used in SMS (GSM 03.38 requirements), if you try to use a character that is not defined in the requirements it will be replaced by "?". Request parameters must be encoded using **ISO-8859-1** standard.

MANDATORY PARAMETERS

PARAMETER	DESCRIPTION
username	Login of your sMsmode account.
pass	Password of your sMsmode account.
message	Text to be sent in the SMS. You should insert the <code>\$code</code> variable that will be automatically replaced by the single usage token. Example: <i>"Hello, your authentication token is: \$code"</i> .
to	Cell phone number to which the SMS must be sent. This number must use international formatting (336xxxxxxx). For french cell phone number the local formatting can be used (06xxxxxxx).

RESPONSE

SUCCESS

If the request sent to server succeed then the response is a HTTP 200 (OK) response. The response's body contains three values:

- **messageID**: ID of the SMS that have been sent
- **code**: the single usage token
- **to**: the cell phone number linked to the token

Response sample

```
< HTTP/1.1 200 OK
< Content-Type: application/json;charset=UTF-8
< Transfer-Encoding: chunked
< Date: Thu, 15 Nov 2012 15:27:15 GMT
{
  "messageID": RPTXGngxvzFC,
  "code": 954094,
  "to": 336xyyzz
}
```

FAIL

If the request sent to the server failed, then the response will be a HTTP response with an error code (40x or 50x). The response body contains the following data:

- **status**: HTTP status code
- **developerMessage**: error message destined to developer
- **userMessage**: error message destined to user
- **errorCode**: smsmode error code (all possible values are defined in « Error management », page 7)
- **moreInfo**: link to a website containing more informations about the error.

Response sample

```
{
  "status": "400",
  "developerMessage": "Bad Request",
  "userMessage": "Invalid parameters - username, pass, code, number are compulsory.",
  "errorCode": "10035",
  "moreInfo": "http://alpha.developers.smsmode.com/errors/error-10035"
}
```

2 • TOKEN VALIDATION

This method allow you to validate the token sent by the user against the generated token. It also verifies that the cell phone number is the same that the one used to generate the token.

REQUEST SAMPLE

```
https://api.smsmode.com/http/2.0/codeValidation.do?username=jean&pass=pass
&code=738512&number=336xxxxxxx
```

BASE URL

```
https://api.smsmode.com/http/2.0/codeValidation.do
```

MANDATORY PARAMETERS

PARAMETER	DESCRIPTION
username	Login of your sMsmode account.
pass	Password of your sMsmode account.
code	The token to validate agianst the generated one.
number	Cell phone number to which the token has been sent. This number must use international formatting (336xxxxxxx). For french cell phone number the local formatting can be used (06xxxxxxx).

RESPONSE

SUCCESS

If the request sent to the server succeed, then the response is a HTTP 200 (OK) response. The response body contains two values:

- **code**: single usage token sent
- **number**: cell phone number linked to the token

Response sample

```
< HTTP/1.1 200 OK
< X-Powered-By: JSP/2.1
< Server: Sun GlassFish Enterprise Server v2.1.1
< Set-Cookie: JSESSIONID=4ae620743d364889a12bc5114ce7; Path=/http
< Content-Type: application/json;charset=UTF-8
< Transfer-Encoding: chunked
< Date: Thu, 15 Nov 2012 15:27:15 GMT
{
  "code" : 954094,
  "number" : 33601020304
}
```

FAIL

If the request sent to the server failed, then the response has a HTTP error status (40x or 50x) and the response body contains the following data:

- **status:** HTTP status code
- **developerMessage:** error message destined to developer
- **userMessage:** error message destined to user
- **errorCode:** sMsmode error code (all possible values are defined in « Error management » page 7)
- **moreInfo:** link to a website containing more informations about the error.

Response sample

```
{
  "status": "400",
  "developerMessage": "Bad Request",
  "userMessage": "Invalid parameters - username, pass, code, number are compulsory.",
  "errorCode": "10035",
  "moreInfo": "http://alpha.developers.smsmode.com/errors/error-10035"
}
```

3 • ERROR MANAGEMENT

10033	Invalid login or password.
10033	Insufficient credits.
10035	Invalid parameters.
10036	Resource access denied.
10136	SMS – 'to' parameter invalid.
10333	Validation – token not found.
10334	Validation – token already used.
10335	Internal error during token validation.
10336	'number' parameter invalid.
10337	'message' parameter invalid.



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