

VKOLU REST API

Introduction

The REST API allows programmatic access to our Push OTP and Two Factor OTP Authentication features. To use the REST API, you will need a VKOLUE account with an API Username (the username of your account) and an API key.

We support both HTTP and HTTPS protocols but stringent use of HTTPS is strongly encouraged. Use of this API assumes a working knowledge and general use of HTTP/RESTful web APIs

Authentication Key
All requests to the APIs are protected with a user-based authentication key that you can generate in your portal.

OTP PUSH REQUEST API

API Endpoint	www.vkolu.com/api/pushotp.jsp
Request	GET / POST Standard HTTP format (application/x-www-form-urlencoded)
Response	HTTP 200 code On Success Integer – Unique id assigned to the request. It can be used to later query the status of the request. On Failure String - Indicating an error message e.g Authentication Failure

Request Parameters

Parameter	Meaning	Example
username	Your Account Username	oriley
authkey	Your API Authentication key	a9f258ad2380f1eb5f71edb8a7925964
numbers	Comma separated valid e164 phone numbers (without + or spaces)	12123738976,88012324224,971505184712,91932423223432
callerid	The "from" that the recipient sees in an SMS or the caller ID number used for voice calls	12123456789 (Usually your company phone number)
sendvia	How to send the OTP. Options are 0 – Via Voice Call Only 1 – Via SMS Only 2 – Via Voice Call & SMS	2
otp	Numeric one time password to send to the numbers. (If empty we will generate a unique random number).	123456789

Example Request
<code>https://www.vkolu.com/api/pushotp.jsp?username=oriley&authkey=a9f258ad2380f1eb5f71edb8a7925964&numbers=12123738976,88012324224&callerid=12123456789&sendvia=2&otp=123456789</code>
Example Response
987

OTP PUSH STATUS API

API Endpoint	http://www.vkolu.com/api/pushotprequest.jsp
Request	GET / POST Standard HTTP format (application/x-www-form-urlencoded)
Response	HTTP 200 code JSON

Request Parameters

Parameter	Meaning	Examples
username	Your Account Username	oriley
authkey	Your API Authentication key	a9f258ad2380f1eb5f71edb8a7925964
id	Integer Id returned from OTP Push request	592

JSON Response Fields

Field	Meaning	Examples
Create Date	Time Request was created in dd-mmm-yyyy hh:mm(AM PM) format	01-Aug-2018 03:58PM
Status	The status of the OTP PUSH request	Finished
Numbers	Array of JSON Objects of Number : e164 Number that initiated the request Voice : Voice Call status SMS : SMS Status	{"Number":"88012324224","Voice":"Answered @ 01-Aug-2018 03:58PM for 00:00:17","SMS":"DELIVRD"}

Example Request
http://www.vkolu.com/api/pushotprequest.jsp?username=oriley&authkey=a9f258ad2380f1eb5f71edb8a7925964&id=592
Example Response
{"Status":"Finished","numbers":[{"Number":"12123738976","Voice":"Answered @ 01-Aug-2018 03:58PM for 00:00:24"},{"Number":"88012324224","Voice":"Answered @ 01-Aug-2018 03:58PM for 00:00:17","SMS":"DELIVRD"}],"Create Date":"01-Aug-2018 03:58PM"}

OTP TWO-FACTOR AUTHENTICATION API

API Endpoint	http://www.vkolu.com/otp/otp.jsp
Request	GET / POST REDIRECTON Standard HTTP format (application/x-www-form-urlencoded)
Response	Redirect to authentication webpage

Request Parameters

Parameter	Meaning	Example
username	Your Account Username	oriley
details	A SHA128 encrypted JSON string with your authkey as the encryption key.	Unencrypted { "authkey": "4d982c9bfa947f1e640466ac9c7e1947", "callerid": "123456", "username": "hello", "sendvia": 2, "failure-url": "https://www.vkolu.com/otp/demo/index.jsp?status=fail", "name": "Demo User", "success-url": "https://www.vkolu.com/otp/demo/index.jsp?status=success", "number": "12323232", "uuid": "a277508b-aab4-11e8-badc-d281f28d296b" }

JSON Fields

Parameter	Meaning	Example
username	Your Account Username	oriley
authkey	Your API Authentication key	a9f258ad2380f1eb5f71edb8a7925964
number	Valid e164 phone number (optional). If it isn't present in the request, we will prompt the user for it.	12123738976
callerid	The "from" that the recipient sees in an SMS or the caller ID number used for voice calls	12123456789 (Usually your company phone number)
sendvia	How to send the OTP. Options are 0 – Via Voice Call Only 1 – Via SMS Only	2

Parameter	Meaning	Example
2 – Via Voice Call & SMS		
uuid	Unique identifier to identify this request	e93df474-aa97-11e8-badc-d281f28d296b
name	Name of the user (optional).	Chris Oriley
success-url	URL to redirect the user after successful verification (optional). If not present the user won't be redirected	http://portal.abccompany.com/id=e93df474aa9711e8badcd281f28d296b
failure-url	URL to redirect the user after verification has failed (optional). If not present the user won't be redirected.	http://portal.abccompany.com/failedlogin
notify-url	URL to post realtime verification about the request (optional). The status of request will be appended to the URL.	http://api.abccompany.com/update.php?status=success