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LINK Mobility

Common Platform API Description

Premium Transaction Refunds
Version 1.4; Last updated April 29, 2021

For help, see the following link https://linkmobility.com/support/
The most up-to-date version of this document is available at
https://www.linkmobility.com/developer/

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Contents

Before you begin

Please make sure Link Mobility Support have provided you with **Username**, **Password**, **PlatformId**, **PartnerId** and a **GateId**. To provide a GateId support will need a result receiver URL to which refund acknowledgements can be delivered. You will also need to know the **MessageId** of the transaction you wish to refund, this is provided to you through the API for sending messages when you do that. **Username**, **Password, PlatformId, PartnerId** can be the same as you use when submitting messages.

You will also need the **MessageId** and **MSISDN** of the message you wish to refund.

Please make an opening in your firewall if necessary so that Common can connect to your system. For a list of the addresses Common will connect from, see below. Refund results are sent asynchronously.

Scope of this document

This document will describe the Application Programming Interface (API) to perform refunds of Premium (Overcharged) SMSes. Use this if your end-user has been billed and you wish to refund the charge to your end-user.

Actually sending the MT message is described in the document "Common_MT_and_DLR", available separately.

A basic familiarity with JSON and REST is assumed.

IP addresses

When delivering a refund result to you asynchronously, the requests will be coming from the following IP addresses:

Hostname	IP address
socks1.sp247.net	195.84.162.34
socks2.sp247.net	194.71.165.71
socks3.sp247.net	195.84.162.16
socks4.sp247.net	194.71.165.98
socks5.sp247.net	195.84.162.3
socks6.sp247.net	194.71.165.122

Please add openings in your firewalls so that these six hosts can connect to you, if necessary.

Character encoding

All communication to and from Common will be encoded using **UTF-8**.

Data types

Refund

Parameter	Data type	Description
messageId	String	The messageId of the message that should be refunded
gateIds	List<String>	A list of gateIds where the callbacks should be delivered when the refund is processed.

Refund Response

The following object is returned to you when the refund is processed. Usually you are only interested in the messageId and resultCode fields.

Parameter	Data type	Description
refId	String	A reference id. Usually null.
id	String	The messageId of the message processed
operator	String	The telecom operator. Usually null.
sentTimestamp	Datetime	The timestamp when the refund was requested.
timestamp	Datetime	The timestamp when the refund was processed.
resultCode	Integer	The result of the refund request. See table below for result codes.
operatorResultCode	String	If the operator supplied more information, it will be here. Usually null.
segments	int	The number of segments that were in the transaction that was refunded. For more information, see the MT documentation.
gateCustomParameters	List<String>	Any custom parameters attached to the gateId supplied.
customParameters	List<String>	Any custom parameters used to process the request.

Performing a refund

Base URL
https://wsx.sp247.net/sms/refund

HTTP methods, statuses and actions

Method	Request ok	Invalid request Already requested	Invalid login	No access
POST	**200 OK** No response	**400 Bad Request** Returns Error Response	**401 Unauthorized** Returns Error Response	**403 Forbidden** Returns Error Response

Basic authentication

For all requests; set the header "Authorization" to "Basic [encoded string]" where [encoded string] is a base 64 encoded string of your username and password separated by a colon.

Request refund

POST /platform/[platformId]/partner/[partnerId]/msisdn/[msisdn]

URI Parameter	Data type	Description
platformId	String	Provided by Link Mobility.
partnerId	String	Provided by Link Mobility.
msisdn	String	The MSISDN of the transaction to refund. International format, no leading "+".

POST the **refund** object described in the **Refund Data Type** table above.

Result codes

Result code	Description
16050	Message already queued for refund
2300	Refund OK
2301	Missing or illegal MSISDN for refund
2302	Missing or illegal messageId for refund
2303	Message is queued for refund
2304	Refund timeout failure
2305	Refund failure

Examples

Substitute your own **messageId**, **gateId**, **username**, **password**, **platformId**, **partnerId** for the ones given in the example.

cURL example

```
curl --user "yourUsername:yourPassword" \
https://wsx.sp247.net/sms/refund/platform/yourPlatformId/partner/you
rPartnerId/msisdn/46735555555 --data
'{"messageId":"EDCRkibXW/YAAAFSrLwl9wDe", "gateIds": ["BVldZyQt"]}'
```

When the refund has been processed, your callback URI (in the gateId) will receive a POST looking like this (Additional custom properties will come depending on country/segment):

```
{"refId":null,"id":"EDCRkibXW/YAAAFSrLwl9wDD","operator":null,"sentT
imestamp":"2016-02-04T13:03:06Z","timestamp":"2016-02-
04T13:12:16Z","resultCode":2300,"operatorResultCode":null,"segments"
:1,"gateCustomParameters":null,"customParameters":{"gateIds":"xxxxxx
"}
```

Appendix 1

Supported TLS versions

From 2020-11-15 will TLS 1.2 or higher be required for all HTTPS connections.

Support for TLS 1.0 and 1.1 will be discontinued. Versions 1.0 and 1.1 of TLS are older protocols that have been deprecated and are considered as security risks in the Internet community.

LINK strongly recommend to use HTTPS if HTTP is being used today. HTTP is deprecated as of 2020-09-01 by LINK, and will be removed in the future. Date for HTTP removal is not yet decided.

Changelog of this document

Date	Version	Author	Changes
2016-02-04	1.0	BMS	Initial version
2020-01-15	1.1	EP	More refund result codes added
2020-08-28	1.2	JS	Added TLS Appendix, fixed footer
2021-02-19	1.3	TL	The URL for developers, From HTTP to HTTPS
2021-04-29	1.4	TL	Changed to new homepage URL