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# LINK Mobility WhatsApp Business API

WhatsApp Message API

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## Legal Information

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## Before you begin

This is the API used to send and receive messages from WhatsApp through Link Mobility's Common Layer interface.

All users must first receive an account from WhatsApp prior to connecting to this API. The Link Mobility delivery team will manage the process.

### Base URL: s

You will get one of these URL: s assigned to you when your account is created:

**`https://n-eu.linkmobility.io/whatsapp-message`**  
**`https://c-eu.linkmobility.io/whatsapp-message`**  
**`https://s-eu.linkmobility.io/whatsapp-message`**  
**`https://no.linkmobility.io/whatsapp-message`**  
**`https://deb.linkmobility.io/whatsapp-message`**

## Scope of this document

This document will describe the Application Programming Interface (API) to receive and send messages through the Link Mobility Multi Channel platform. WhatsApp Message API is a REST API.

A familiarity with REST APIs is assumed. Messages will be delivered in JSON format. A basic familiarity with JSON is assumed.

## Capabilities of the platform

The platform is a high-capacity, high-availability messaging gateway designed to let you send and receive messages in various formats to a selection of providers like WhatsApp. Message types can be Template, Text, Image, Location, Audio, Video, Document, Interactive or Contacts as specified below.

## Terms and glossary

### Date

String that contains a date formatted according to RFC3339.

Example:

```
2010-03-30T12:59:40+02:00  
or  
2010-03-30T10:59:40Z (UTC)
```

### KeyValuePair.

Contains key value pairs of type string.

Example:

```
{  
  "key1":"value1", "key2":"value2", "key3":"value3"  
}
```

### MSISDN

It is a standard string type containing a mobile number in local or international format.

Example:

```
+46735555555  
+47925555555
```

### Template message

A predefined message used to initiate conversations. The templates are registered and approved in the Facebook Business Manager.

### Text message

Standard text message. If containing a URL the URL should start with http:// or https://.

### Image message

Supported image format:

- .jpeg
- .png

### Location message

Contains a location in longitude and latitude format.

### Audio message

Supported audio format:

- .aac
- .mp4

- .amr
- .mpeg
- .ogg (codex=opus)

Note: The base .ogg type is not supported

#### Video message

Supported video format:

- .mp4
- .3gpp

#### Document message

Supports any MIME-type document.

#### Interactive message

Message containing items that can be selected. Selected item will be communicated back in the message callback.

#### 24 hour customer care window

When a WhatsApp user sends a message to a business's phone number a 24 hour customer care window opens. When this care window is open all message types are made available to be sent to this number. Outside of the 24 hour customer care window a template message is the only type of message that can be used.

#### Event report gate

An event report gate specifies where callbacks should be sent. A business's callback URL is referenced by an event report gate id that can be used within the request.

#### Facebook Business Manager

Administration tool to manage WhatsApp business accounts. Handled by LINK.

## Authentication

Authentication is performed via Basic Authentication with provided username and password.

In basic HTTP authentication, a request contains a header field in the form of `Authorization: Basic <credentials>`, where credentials is the Base64 encoding of username and password joined by a single colon `:`.

## Resource

### POST /messages

#### MessageRequest

The request used to send message(s).

Name	Data type	Required	Description
platformId	String	Yes	Platform id used for this transaction.
platformPartnerId	String	Yes	Platform partner id used for this transaction.
platformServiceId	String	No	Id of the service instance defined in the service platform.
platformServiceType	String	No	Platform service type used for this transaction.
platformTransactionId	String	No	Service platform transaction id.
priority	Enum <LOW,NORMAL,HIGH>	Yes	Priority used for this transaction.
relativeValidityTime	Long	No	Time specified in milliseconds of how long the message is supposed to live.
absoluteValidityTime	Date	No	Absolut time specified of when this message should expire. If no value is supplied it defaults to 48h ahead.

			Has precedence over relativeValidityTime. <a href="#">Date</a> .
eventReportGates	List<String>	No	List of gates to send event reports to. See <a href="#">Callbacks</a> .
refId	String	Yes	Reference id used within this transaction.
customParameters	KeyValueTypes	No	Custom parameters specified in the transaction. <a href="#">KeyValueTypes</a> .
source	String	Yes	The source number. This should be a phone number registered to a WhatsApp Business API client. This is the client which will be used when sending the message.
destinations	List<MsisdnString>	Yes	Destination numbers. <a href="#">MsisdnString</a> .
messages	List<Message>	Yes	Message(s) to be sent. <a href="#">Message</a> .

JSON

```
{
  "platformId": "your platformId",
  "platformPartnerId": "yourPlatformPartnerId",
  "platformServiceId": "yourPlatformServiceId",
  "platformServiceType": "yourPlatformServiceType",
  "platformTransactionId": "yourPlatformTransactionId",
  "priority": "NORMAL",
  "relativeValidityTime": 1584543059442,
  "absoluteValidityTime": "2020-03-18T16:49:21Z",
  "eventReportGates": [
    "v08kM29P",
    "jk98GtdP"
  ],
  "refId": "yourRefId",
  "customParameters": {
    "yourCustomKey1": "yourCustomValue1",
    "yourCustomKey2": "yourCustomValue2"
  },
  "source": "+460000000000",
  "destinations": [
    "+460000000001",
    "+460000000002"
  ],
  "messages": [
    {
      "type": "template",
      "template": {
        "namespace": "yourNamespace",
        "name": "yourTemplate",
        "language": {
          "code": "en"
        }
      },
      "components": [
        {
          "type": "body",
          "parameters": [
            {
              "type": "text",
              "text": "Your text"
            }
          ]
        }
      ]
    }
  ]
}
```



## Recognized Custom Parameters

Name	Type	Description
ott.whatsapp.logMessageContent	Boolean	Default: false Set to true to enable logging the message content internally in the WhatsApp service.  One reason to enable this is to make LINK Support able to find your message(s) based on message content, if you ask them to do so.

## HTTP status codes and response body

HTTP status code	Response body
200 OK	MessageResponse
400 Bad Request	ErrorResponse
401 Unauthorized	ErrorResponse
403 Forbidden	ErrorResponse
500 Internal Server Error	ErrorResponse

### MessageResponse

The response body received when sending a successful message request.

Name	Type	Description
resultCode	Integer	Result code. See list of <a href="#">possible result codes</a> .
description	String	Descriptive text.
messageIds	List<String>	List of message ids that have been queued. The ordering of the ids mirror the order of the destination numbers in the request.

JSON

```
{
  "resultCode":112001,
  "description":"queued",
  "messageIds":[
    "1aU6cwxAKE9NzMLrS6M82C"
  ]
}
```

### Possible resultCodes in MessageResponse

Code	Description	Explained
112001	Queued.	The messages are queued to be sent.

### ErrorResponse

The response body received when sending an unsuccessful message request.

Name	Type	Description
------	------	-------------

resultCode	Integer	Result code. See list of <a href="#">possible result codes</a> .
description	String	Descriptive text.
translatedDescription	String	Textual description of the problem based on Accept-Language

JSON

```
{
  "resultCode": 112400,
  "description": "Unauthorized",
  "translatedDescription": null
}
```

### Possible resultCodes in ErrorResponse

Code	Description	Explained
112400	Unauthorized	Not authorized. Contact support.
112401	No access	Missing access. Contact support.
112402	Bad request	Bad formatted request.
112500	Server error	Server error. Contact support.

## Messages

### Message type

There are several types of messages that can be used in the message request. Any type of message cannot be sent at any time. For messages that are not of type template a 24-hour customer care window needs to be opened.

### Template

A template message. This message is used to initialize a conversation. The template used must be registered and approved in the Facebook Business Manager.

Templates:

*text* - A simple template with a text message.

*media* - A template with supported media (image, video, document).

*interactive (buttons)* - A template with reply or url buttons.

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>template</i> for media template messages.
template	Template	Yes	Template.
namespace	String	Yes	Namespace where the template is located. The namespace will be provided.
name	String	Yes	Name of a predefined template. The name will be provided
language	Language	Yes	Language.
components	List<Component>	Yes	List of components.

Text template – JSON example

```
{
  "type": "template",
  "template": {
    "namespace": "yourNamespace",
    "name": "yourTemplate",
    "language": {
      "code": "en"
    }
  },
  "components": [
    {
      "type": "body",
      "parameters": [
        {
```

```
        "type": "text",
        "text": "Your text"
      }
    ]
  }
}
```

#### Media template - JSON example

```
{
  "type": "template",
  "template": {
    "namespace": "yourNamespace",
    "name": "yourTemplate",
    "language": {
      "code": "en"
    }
  },
  "components": [
    {
      "type": "header",
      "parameters": [
        {
          "type": "document",
          "document": {
            "link": "https://www.example.com/file.pdf",
            "filename": "filename"
          }
        }
      ]
    },
    {
      "type": "body",
      "parameters": [
        {
          "type": "text",
          "text": "Your text"
        },
        {
          "type": "currency",
          "currency": {
            "fallbackValue": "$100.99",
            "code": "USD",
            "amount1000": "100990"
          }
        },
        {
          "type": "dateTime",
          "dateTime": {
            "fallbackValue": "February 25, 1977 03:33PM",
            "dayOfWeek": 5,
            "dayOfMonth": 25,
            "year": 1977,
            "month": 2,
            "hour": 15,

```

```

        "minute":33
      }
    ]
  }
}

```

#### Interactive template - JSON example

```

{
  "type": "template",
  "template": {
    "namespace": "yourNamespace",
    "name": "yourTemplate",
    "language": {
      "code": "en"
    },
  },
  "components": [
    {
      "type": "header",
      "parameters": [
        {
          "type": "text",
          "text": "'Your header text here'"
        }
      ]
    },
    {
      "type": "body",
      "parameters": [
        {
          "type": "text",
          "text": "'Your body text here'"
        }
      ]
    },
    {
      "type": "button",
      "subType": "quickReply" or "url",
      "index": 0,
      "parameters": [
        {
          "type": "payload" or "text",
          "text": "Your text here" //used for url button
          "payload": "Your payload here" //used for quick reply
        }
      ]
    },
    {
      "type": "button",
      "subType": "quickReply" or "url",
      "index": 1,
      "parameters": [

```

```

    {
      "type": "payload" or "text",
      "text": "Your text here" //used for url button
      "payload": "Your payload here" //used for quick reply
    }
  }
}

```

### Text message

A simple text message.

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>text</i> for text messages.
previewUrl	Boolean	No	Set to true if the text message contains a URL that is to be previewed.
text	Text	Yes	Text.
body	String	Yes	Text message. If contains a URL the URL should start with http:// or https://.

### JSON

```

{
  "type": "text",
  "previewUrl": false,
  "text": {
    "body": "Your text here!"
  }
}

```

### Image message

A message with an image.

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>image</i> for image messages.
image	Image	Yes	Image.
link	String	Yes	Link to an image. Starts with http:// or https://.

caption	String	No	Caption of the image.
---------	--------	----	-----------------------

JSON

```
{
  "type": "image",
  "image": {
    "link": "https://example.com/image.jpg",
    "caption": "Your image caption!"
  }
}
```

### Location message

A message with a location.

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>location</i> for location messages.
location	Location	Yes	Location.
longitude	Double	Yes	Longitude.
latitude	Double	Yes	Latitude.
name	String	No	Name.
address	String	No	Address. Only displayed if name is present.

JSON

```
{
  "type": "location",
  "location": {
    "longitude": 18.0739497,
    "latitude": 59.3120499,
    "name": "Linkmobility Stockholm, Sweden",
    "address": "Götgatan 78, Stockholm, Sverige"
  }
}
```



## Audio message

A message with audio.

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>audio</i> for audio messages.
audio	Audio	Yes	Audio.
link	String	Yes	Link to the audio. Begins with http://or https://.

JSON

```
{
  "type": "audio",
  "audio": {
    "link": "https://example.com/audio.mp4"
  }
}
```

## Video message

A message with a video.

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>video</i> for video messages.
video	Video	Yes	Video.
link	String	Yes	Link to a video. Begins with http:// or https://.
caption	String	No	Caption of the video.

JSON

```
{
  "type": "video",
  "video": {
    "link": "https://example.com/video.mp4",
    "caption": "Your video caption"
  }
}
```

## Document message

A message with a document.

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>document</i> for document messages.
document	Document	Yes	Document.
link	String	Yes	Link to a document. Begins with http:// or https://.
caption	String	No	Caption of the document.
filename	String	No	Name of the document file.

JSON

```
{
  "type": "document",
  "document": {
    "link": "https://example.com/document.pdf",
    "caption": "Your document caption",
    "filename": "Your document filename"
  }
}
```

## Contacts message

A message with contact(s).

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>contacts</i> for contacts messages.
contacts	List<Contact>	Yes	List of contacts.
addresses	List<Address>	No	List of addresses.
birthday	String	No	Birthday.
emails	List<Email>	No	List of emails.
name	Name	No	Name.
org	Org	No	Org.
phones	List<Phone>	No	List of phones.
urls	List<Url>	No	List of urls.

JSON

```
{
  "type": "contacts",
  "contacts": [
    {
      "addresses": [
        {
          "city": "Menlo Park",
          "country": "United States",
          "countryCode": "us",
          "state": "CA",
          "street": "1 Hacker Way",
          "type": "HOME",
          "zip": "94025"
        },
        {
          "city": "Menlo Park",
          "country": "United States",
          "countryCode": "us",
          "state": "CA",
          "street": "200 Jefferson Dr",
          "type": "WORK",
          "zip": "94025"
        }
      ],
      "birthday": "2012-08-18",
      "emails": [
        {
          "email": "test@fb.com",
          "type": "WORK"
        },
        {
          "email": "test@whatsapp.com",
          "type": "WORK"
        }
      ],
      "name": {
        "firstName": "John",
        "formattedName": "John Smith",
        "lastName": "Smith"
      },
      "org": {
        "company": "WhatsApp",
        "department": "Design",
        "title": "Manager"
      },
      "phones": [
        {
          "phone": "+1 (940) 555-1234",
          "type": "HOME"
        },
        {
          "phone": "+1 (650) 555-1234",
          "type": "WORK",
          "waId": "16505551234"
        }
      ]
    }
  ]
}
```

```
    }  
  ],  
  "urls": [  
    {  
      "url": "https://www.facebook.com",  
      "type": "WORK"  
    }  
  ]  
}
```

## Interactive message

A message with interactive element.

There are two versions of the interactive messages:

- *List Messages*: Messages including a menu of up to 10 options. This type of message offers a simpler and more consistent way for users to make a selection when interacting with a business.
- *Reply Buttons*: Messages including up to 3 options —each option is a button. This type of message offers a quicker way for users to make a selection from a menu when interacting with a business. Reply buttons have the same user experience as interactive templates with buttons.

Selected option will be communicated back in a message callback (See [Callbacks / Webhooks](#) below).

### *Interactive Message Specifications*

- Interactive messages can be combined together in the same flow.
- Users cannot select more than one option at the same time from a list or button message, but they can go back and re-open a previous message.
- List or reply button messages cannot be used as notifications. Currently, they can only be sent within 24 hours of the last message sent by the user. If you try to send a message outside the 24-hour window, you get an error message.
- Supported platforms: iOS, Android, and web.

For more information about the interactive format please see the WhatsApp developer page<sup>1</sup>.

<sup>1</sup> <https://developers.facebook.com/docs/whatsapp/guides/interactive-messages/>

Name	Type	Required	Description
type	String	Yes	Type of message. Should be <i>interactive</i> for interactive messages.
interactive	interactive	Yes	Interactive.
interactive.type	String	Yes	Either <i>list</i> or <i>button</i>
interactive.header	<a href="#">header</a>	No	Header of the interactive message.
interactive.body.text	String	Yes	Body of the interactive message. Maximum length: 1024 characters.
interactive.footer.text	String	No	Footer of the interactive message.  Maximum length: 60 characters.
interactive.action	<a href="#">action</a>	Yes	Action of the interactive message

JSON simple outline (list type)

```
{
  "type": "interactive",
  "interactive": {
    "type": "list",
    "header": {...},
    "body": {
      "text": "sample body text"
    },
    "footer": {
      "text": "sample footer text"
    },
    "action": {...}
  }
}
```

For complete examples see “[Interactive message full examples](#)” below.

### Interactive header

The header can be either normal text, or one of the other supported media formats.

Name	Type	Required	Description
type	String	Yes	The header type you would like to use.  List messages only support <i>text</i> . Button messages support either <i>text</i> , <i>video</i> , <i>image</i> or <i>document</i> .
text	String	Yes if type is <i>text</i>	Text for the header. Formatting allows emojis, but not markdown.  Maximum length: 60 characters.
video	<a href="#">media</a>	Yes if type is <i>video</i>	Video media object
image	<a href="#">media</a>	Yes if type is <i>image</i>	Image media object
document	<a href="#">media</a>	Yes if type is <i>document</i>	Document media object



### Interactive media

The media can either use a link to point directly to a media resource, or an ID of an already uploaded media object.

Name	Type	Required	Description
id	String	Required when type is <i>document, image or video</i> and you are <b>not using a link</b> .	The media object ID. This is returned when the media is successfully uploaded to the WhatsApp Business API client via the media endpoint <sup>2</sup> .  Do not use this field when message type is set to <i>text</i> .
link	String	Required when type is <i>document, image or video</i> and you are <b>not using an uploaded media ID</b> .	The protocol and URL of the media to be sent. Use only with HTTP/HTTPS URLs.  Do not use this field when message type is set to <i>text</i> .
caption	String	No	Describes the media
filename	String	No	Describes the filename for the specific document. Use only with <i>document</i> media.
provider.name	String	No	This provider is optionally used with a <i>link</i> when the HTTP/HTTPS link is not directly accessible and requires additional configurations like a bearer token.  For information on configuring providers, see the Media Providers documentation <sup>3</sup> .

<sup>2</sup> <https://developers.facebook.com/docs/whatsapp/api/media>

<sup>3</sup> <https://developers.facebook.com/docs/whatsapp/api/settings/media-providers>

JSON (header and media outline)

```
{
  "header": {
    "type": "text" | "image" | "video" | "document",
    "text": "your text"
    # OR
    "document": {
      "id": "your-media-id",
      "filename": "some-file-name"
    }
    # OR
    "document": {
      "link": "the-provider-name/protocol://the-url",
      "provider": {
        "name": "provider-name",
      },
      "filename": "some-file-name"
    },
    # OR
    "video": {
      "id": "your-media-id"
    }
    # OR
    "video": {
      "link": "the-provider-name/protocol://the-url",
      "provider": {
        "name": "provider-name"
      }
    }
    # OR
    "image": {
      "id": "your-media-id"
    }
    # OR
    "image": {
      "link": "http(s)://the-url",
      "provider": {
        "name": "provider-name"
      }
    }
  }
}
```

### Interactive action

Action you want the user to perform after reading the message.

Name	Type	Required	Description
button	String	Required for List messages	Button content. It cannot be an empty string and must be unique within the message Does not allow emojis or markdown.  Maximum length: 20 characters.
sections	List < <a href="#">section</a> >	Required for List messages	List type only
buttons	List < <a href="#">button</a> >	Required for Button messages	Button type only

### Interactive section

Specifies the rows/options in a list message.

Name	Type	Required	Description
title	String	Yes	Title of the section.  Maximum length: 24 characters.
rows	List <rows>	Yes	Contains a list of rows.
rows.id	String	Yes	Unique row id.  Maximum length: 200 characters
rows.title	String	Yes	Row title, what the user sees in the message.  Maximum length: 24 characters
rows.description	String	No	Row description, visible under the title in the message.  Maximum length: 72 characters

### Interactive button

Specifies the buttons in a button message.

Name	Type	Required	Description
type	String	Yes	Always <i>reply</i> for button messages.
reply	reply	Yes	Reply button.
reply.id	String	Yes	Unique identifier for your button. This ID is returned in the webhook when the button is clicked by the user.  Maximum length: 256 characters.
reply.title	String	Yes	Button title. It cannot be an empty string and must be unique within the message. Does not allow emojis or markdown.  Maximum length: 20 characters.

*Interactive message full examples*

JSON (List type)

```
{
  "type": "interactive",
  "interactive": {
    "type": "list",
    "header": {
      "type": "text",
      "text": "sample header text"
    },
    "body": {
      "text": "sample body text"
    },
    "footer": {
      "text": "sample footer text"
    },
    "action": {
      "button": "sample button text",
      "sections": [
        {
          "title": "sample section title",
          "rows": [
            {
              "id": "row-identifier-1",
              "title": "row-title-1",
              "description": "row-description-content"
            }, { ... }
          ]
        }, { ... }
      ]
    }
  }
}
```

JSON (Button type)

```
{
  "type": "interactive",
  "interactive": {
    "type": "button",
    "header": {
      "type": "image",
      "image": {
        "link": "http(s)://the-url"
      }
    },
    "body": {
      "text": "sample body text"
    },
    "footer": {
      "text": "sample footer text"
    },
    "action": {
      "buttons": [
        {
          "type": "reply",
          "reply": {
            "id": "unique-button-id-1",
            "title": "button title",
          }
        }, { ... }
      ]
    }
  }
}
```

## Message content property

Properties of the content.

### Address

The address of the contact.

- Used with contacts message.

Name	Type	Required	Description
city	String	No	City.
country	String	No	Country.
countryCode	String	No	Country code.
state	String	No	State.
street	String	No	Street.
type	String	No	Type. Eg. HOME, WORK.
zip	String	No	Zip.

### Email

The e-mail address of the contact.

- Used with contacts message.

Name	Type	Required	Description
email	Email	No	Email.
type	String	No	Type. Eg. HOME, WORK.

## Name

The name of the contact.

- Used with contacts message.

Name	Type	Required	Description
firstName	String	Optional*	First name.
formattedName	String	Yes	Formatted name.
lastName	String	Optional*	Last name.
middleName	String	Optional*	Middle name.
suffix	String	Optional*	Name suffix.
prefix	String	Optional*	Name prefix.

\* At least one of the optional parameters needs to be included along with the formattedName parameter.

## Org

The organization of the contact.

- Used with contacts message.

Name	Type	Required	Description
company	String	No	Company.
department	String	No	Department.
title	String	No	Title.

## Phone

The phone number of the contact.

- Used with contacts message.

Name	Type	Required	Description
phone	String	No	Phone number.
type	String	No	Type. Eg. HOME, WORK.
waId	String	No	WhatsApp id.



## Url

The url of the contact.

- Used with contacts message.

Name	Type	Required	Description
url	String	No	Url.
type	String	No	Type of url. HOME, WORK

## Language

The language of the template.

- Used with template message.

Name	Type	Required	Description
code	String	Yes	Code of the language or locale to use. Must match the language code in the predefined template.

## Currency

Name	Type	Required	Description
fallbackValue	String	Yes	Fallback value. Eg. "\$100.99".
code	String	Yes	Currency code.
amount1000	String	Yes	Amount in minor units. Eg. \$100,99 is sent as 100990.

## DateTime

Name	Type	Required	Description
fallbackValue	String	Yes	Fallback value. Eg. "February 25, 1977 03:33PM".
dayOfWeek	String	Optional*	Day of week.
dayOfMonth	String	Optional*	Day of month.
year	String	Optional*	Year.
month	String	Optional*	Month
hour	String	Optional*	Hour.
minute	String	Optional*	Minute.
timestamp	String	Optional*	Timestamp in milliseconds.

\* Must contain dayOfWeek, dayOfMonth, year, month,hour,minute together or timestamp alone.

## Component

Components to construct the template message.

Name	Type	Required	Description
type	String	Yes	<p>Describes the component type Values: <i>header</i>, <i>body</i>, <i>button</i>.</p> <p>In the <i>header</i> you can have one or none of the media parameters (<i>image</i>, <i>document</i> or <i>video</i>). The media must match the media in the predefined template.</p> <p>In the <i>body</i> you can have <i>text</i>, <i>currency</i> and <i>dateTime</i> parameters. The number of parameters in the body must match the number of parameters defined in the predefined template.</p> <p>A <i>button</i> can have a <i>text</i> parameter (for button sub type <i>url</i>) or a <i>payload</i> parameter (for button sub type <i>quickReply</i>).</p>
subType	String	Yes for type button.	<p>The sub type.</p> <p>Sub types: <i>quickReply</i>- Used for quick reply buttons. <i>url</i> - Used for url buttons.</p>
index	String	Yes for type button.	The index of the button(s). First index = 0.
parameters	List<Parameter>	Yes	Parameters containing the content of the message.

## Parameter

Parameters allowed in the components of the template message.

### *Image parameter*

Follows the same format as Image message\*.

\* Caption is not supported.

- Used in the header component.

### *Document parameter*

Follows the same format as Document message\*.

\* Caption is not supported.

\* PDF is the only supported format.

- Used in the header component.

### *Video parameter*

Follows the same format as Video message\*.

\* Caption is not supported.

- Used in the header component.

### *Text parameter*

A simple text parameter.

- Used in body and url button component.

Name	Type	Required	Description
type	String	Yes	Type of parameter. Should be <i>text</i> for text parameter.
text	String	Yes	Text of the message or url button.

### *Payload parameter*

A payload parameter.

- Used in quick reply button component.

Name	Type	Required	Description
type	String	Yes	Type of parameter. Should be <i>payload</i> for payload parameter.
payload	String	Yes	Payload of the quick reply button.

### Currency parameter

A parameter with currency.

- Used in the body component.

Name	Type	Required	Description
type	String	Yes	Type of parameter. Should be <i>currency</i> for currency parameter.
currency	Currency	Yes	Currency.

### DateTime parameter

A parameter with date time.

- Used in the body component.

Name	Type	Required	Description
type	String	Yes	Type of parameter. Should be <i>dateTime</i> for dateTime parameter.
dateTime	DateTime	Yes	DateTime.

## Callbacks / Webhooks

### Message Status Notifications

Message Status Notifications are related to messages that you have previously sent, and gives information on events that happen when LINK and WhatsApp attempt to deliver a message to the mobile device of the recipient.

One callback relates to one message.

Each message that is queued by our API, will generate one or more callbacks.

To enable callbacks, you must ask LINK's customer support to register your callback endpoint URL. You will then receive the ID of the eventReportGates they have created. This ID you must add in the [eventReportGates](#) field in your requests when sending messages.

Name	Type	Description
messageId	String	This is the unique message id (messageId returned by the MessageRequest) and should be referred to when sending questions to support.
refId	String	This is the unique refId set by the client when sending the MessageRequest ) and may be referred to when sending questions to support.
messageType	String	Type of message. In case of failed message request (no messages sent) the type will be "request".
messageIndex	Integer	Index of the message. Starts at index 0. In case of failed message request with multiple messages (no messages sent) -1 will be the index.
timestamp	Date	Can be time for final status such as delivered; formatted according to RFC3339, e.g. 2010-03-30T12:59:40+02:00.
resultCode	Integer	The result code. Result codes.
resultDescription	String	Descriptive result text.
gateCustomParameters	KeyValue	Gate resource:customParameters.
customParameters	KeyValue	Custom parameters sent in the MessageRequest.

JSON

```
{
  "messageId": "8aU6cwxAKE9NzMLrS6M82Y",
  "refId": "76439283",
  "messageType": "text",
  "messageIndex": 0,
  "timestamp": "2020-03-30T12:59:41+02:00",
  "resultCode": 112003,
  "resultDescription": "delivered",
  "gateCustomParameters": {
    "gateCustomKey1": "gateCustomValue1",
    "gateCustomKey2": "gateCustomValue2"
  },
  "customParameters": {
    "customKey1": "customValue1",
    "customKey2": "customValue2"
  }
}
```

### Possible resultCodes in Message Status Notifications

Code	Description	Explained
112000	Unknown error.	An unexpected error occurred. Contact support.
112006	Sent by WA	The message is by WhatsApp forwarded from the Business API proxy to their internal server infrastructure.
112007	Read	The message is read by the recipient.
112008	Deleted	The message was deleted by the recipient.
112002	Sent to WA	The message is sent to WhatsApp. WhatsApp will try to deliver the message to the recipients phone.
112003	Delivered.	The message is delivered to the recipient's phone.
112403	Not delivered.	The message was not delivered. See <a href="#">resultDescription</a> for additional information.
112404	Invalid contact.	The recipient is not a valid WhatsApp user.
112406	Failed WA request.	Failed request from WhatsApp proxy. Contact support.
112408	System error	An unexpected error occurred when contacting the WhatsApp proxy. Contact support.

12409	Redis error	Error communicating with internal Redis database. No more message status notifications will be delivered related to this message.
-------	-------------	---

## Incoming Messages Sent from Mobile Phones

For messages received an event report is returned to a preconfigured event report gate.

Parameter	Type	Description
destination	String	The number the message is sent to.
source	MsisdnString	The number of the user sending the message. MsisdnString
content	Content	The content of the message.
content.type	String	The type of content: <i>WHATSAPP</i> .
content.message	Message	The message of the content.
content.message.contentType	String	The type of message: <i>TEXT</i> , <i>BUTTON</i> , <i>MEDIA</i> , <i>INTERACTIVE</i> .
content.message.text	String Optional	The text of the message.
content.message.button	Button Optional	The button of the message.
content.message.button.text	String	The text of the button.
content.message.button.payload	String	The payload of the button.
content.message.media	Media	The media of the message
content.message.media.type	String	The mime type of the data content within the media source
content.message.media.source	String	The URL that gives the data given in the message
content.message.media.caption	String	The text within the media message
content.message.context	Context Optional	The context of the message. Only in reply messages.



content.message.context.source	String	The source of the original message.
content.message.context.messageId	String	The message id of the original message.
content.message.interactive	Interactive Optional	The interactive reply of the message. Only set in interactive reply messages.
content.message.interactive.type	String	Type message reply: <i>list_reply</i> or <i>button_reply</i>
content.message.interactive. list_reply	list_reply Optional	Only populated for interactive list replies
content.message.interactive. list_reply.id	String	Id of interactive list choice
content.message.interactive. list_reply.title	String	Title of interactive list choice
content.message.interactive. list_reply.description	String	Description of interactive list choice
content.message.interactive. button_reply	button_reply Optional	Only populated for interactive button replies
content.message.interactive. button_reply.id	String	Id of interactive button choice
content.message.interactive. button_reply.title	String	Title of interactive button choice
provider	String	The provider: <i>whatsapp</i> .
timestamp	Date	The time of message is generated when the message was received.
messageId	String	The unique message id.
providerTimestamp	Date	The time of message provided by the provider.
providerMessageId	String	Id that is generated by the provider.
route	Route	Route details (Either <i>MsisdnSession</i> , <i>SubNumber</i> or <i>Keyword</i> ).

gateCustomParameters	KeyValue	Gate resource:customParameters.
customParameters	KeyValue	Optional, all additional parameters may be specified if needed. Note that only one level with key-value data is allowed.

JSON for the text message

```
{
  "destination": "+460000000000",
  "source": "+460000000001",
  "content": {
    "type": "WHATSAPP",
    "message": {
      "contentType": "TEXT",
      "text": "This is an example"
    }
  },
  "provider": "whatsapp",
  "timestamp": "2020-03-21T17:41:58Z",
  "messageId": "8aU6cwxAKE9NzMLrS6M82Y",
  "providerTimestamp": "2020-03-21T17:41:58Z",
  "providerMessageId": "123456abcd",
  "route": {
    "id": "keywordId",
    "refId": "yourRouteRefId",
    "platformId": "yourRoutePlatformId",
    "platformPartnerId": "yourRoutePartnerId",
    "platformServiceType": "yourRoutePlatformServiceType",
    "platformServiceId": "yourRoutePlatformServiceId",
    "number": "+460000000001",
    "gateIds": [
      "yourGateId1",
      "yourGateId2"
    ],
    "customParameters": {
      "customRouteKey1": "customRouteValue1"
    },
    "type": "KEYWORD_ROUTE",
    "keyword": "",
    "keywordType": "DEFAULT",
    "active": true,
    "start": "2020-03-21T17:41:58Z",
    "end": "2030-03-21T17:41:58Z",
    "shared": false,
    "description": "Example description"
  },
  "gateCustomParameters": {},
  "customParameters": null
}
```

JSON for the media message

```
{
  "destination": "+460000000000",
  "source": "+460000000001",
  "content": {
    "type": "WHATSAPP",
    "message": {
      "contentType": "MEDIA",
      "media": {
        "type": "image/jpg",
        "source": "http://images.com/myimage.jpg"
        "caption": "MEDIA"
      }
    }
  },
  "provider": "whatsapp",
  "timestamp": "2020-03-21T17:41:58Z",
  "messageId": "8aU6cwxAKE9NzMLrS6M82Y",
  "providerTimestamp": "2020-03-21T17:41:58Z",
  "providerMessageId": "123456abcd",
  "route": {
    "id": "keywordId",
    "refId": "yourRouteRefId",
    "platformId": "yourRoutePlatformId",
    "platformPartnerId": "yourRoutePartnerId",
    "platformServiceType": "yourRoutePlatformServiceType",
    "platformServiceId": "yourRoutePlatformServiceId",
    "number": "+460000000001",
    "gateIds": [
      "yourGateId1",
      "yourGateId2"
    ],
    "customParameters": {
      "customRouteKey1": "customRouteValue1"
    },
    "type": "KEYWORD_ROUTE",
    "keyword": "",
    "keywordType": "DEFAULT",
    "active": true,
    "start": "2020-03-21T17:41:58Z",
    "end": "2030-03-21T17:41:58Z",
    "shared": false,
    "description": "Example description"
  },
  "gateCustomParameters": {},
  "customParameters": null
}
```

JSON for the interactive button reply message

```
{
  "destination": "+460000000000",
  "source": "+460000000001",
  "content": {
    "type": "WHATSAPP",
    "message": {
      "contentType": "INTERACTIVE",
      "interactive": {
        "type": "button_reply",
        "button_reply": {
          "id": "example-id",
          "title": "example-title"
        }
      }
    }
  },
  "provider": "whatsapp",
  "timestamp": "2020-03-21T17:41:58Z",
  "messageId": "8aU6cwxAKE9NzMLrS6M82Y",
  "providerTimestamp": "2020-03-21T17:41:58Z",
  "providerMessageId": "123456abcd",
  "route": {
    "id": "keywordId",
    "refId": "yourRouteRefId",
    "platformId": "yourRoutePlatformId",
    "platformPartnerId": "yourRoutePartnerId",
    "platformServiceType": "yourRoutePlatformServiceType",
    "platformServiceId": "yourRoutePlatformServiceId",
    "number": "+460000000001",
    "gateIds": [
      "yourGateId1",
      "yourGateId2"
    ],
    "customParameters": {
      "customRouteKey1": "customRouteValue1"
    },
    "type": "KEYWORD_ROUTE",
    "keyword": "",
    "keywordType": "DEFAULT",
    "active": true,
    "start": "2020-03-21T17:41:58Z",
    "end": "2030-03-21T17:41:58Z",
    "shared": false,
    "description": "Example description"
  },
  "gateCustomParameters": {},
  "customParameters": null
}
```

JSON for the interactive list reply message

```
{
  "destination": "+46000000000",
  "source": "+46000000001",
  "content": {
    "type": "WHATSAPP",
    "message": {
      "contentType": "INTERACTIVE",
      "interactive": {
        "type": "list_reply",
        "list_reply": {
          "id": "example-id",
          "title": "example-title",
          "description": "example-description"
        }
      }
    }
  },
  "provider": "whatsapp",
  "timestamp": "2020-03-21T17:41:58Z",
  "messageId": "8aU6cwxAKE9NzMLrS6M82Y",
  "providerTimestamp": "2020-03-21T17:41:58Z",
  "providerMessageId": "123456abcd",
  "route": {
    "id": "keywordId",
    "refId": "yourRouteRefId",
    "platformId": "yourRoutePlatformId",
    "platformPartnerId": "yourRoutePartnerId",
    "platformServiceType": "yourRoutePlatformServiceType",
    "platformServiceId": "yourRoutePlatformServiceId",
    "number": "+46000000001",
    "gateIds": [
      "yourGateId1",
      "yourGateId2"
    ],
    "customParameters": {
      "customRouteKey1": "customRouteValue1"
    },
    "type": "KEYWORD_ROUTE",
    "keyword": "",
    "keywordType": "DEFAULT",
    "active": true,
    "start": "2020-03-21T17:41:58Z",
    "end": "2030-03-21T17:41:58Z",
    "shared": false,
    "description": "Example description"
  },
  "gateCustomParameters": {},
  "customParameters": null
}
```

## Supported languages

Supported languages in templates.

Value	Description
Afrikaans	af
Albanian	sq
Arabic	ar
Azerbaijani	az
Bengali	bn
Bulgarian	bg
Catalan	ca
Chinese (CHN)	zh_CN
Chinese (HKG)	zh_HK
Chinese (TAI)	zh_TW
Croatian	hr
Czech	cs
Danish	da
Dutch	nl
English	en
English (UK)	en_GB
English (US)	en_US
Estonian	et
Filipino	fil
Finnish	fi
French	fr
German	de
Greek	el
Gujarati	gu

Hausa	ha
Hebrew	he
Hindi	hi
Hungarian	hu
Indonesian	id
Irish	ga
Italian	it
Japanese	ja
Kannada	kn
Kazakh	kk
Korean	ko
Lao	lo
Latvian	lv
Lithuanian	lt
Macedonian	mk
Malay	ms
Malayalam	ml
Marathi	mr
Norwegian	nb
Persian	fa
Polish	pl
Portuguese (BR)	pt_BR
Portuguese (POR)	pt_PT
Punjabi	pa
Romanian	ro
Russian	ru
Serbian	sr



Slovak	sk
Slovenian	sl
Spanish	es
Spanish (ARG)	es_AR
Spanish (SPA)	es_ES
Spanish (MEX)	es_MX
Swahili	sw
Swedish	sv
Tamil	ta
Telugu	te
Thai	th
Turkish	tr
Ukrainian	uk
Urdu	ur
Uzbek	uz
Vietnamese	vi
Zulu	zu

## Appendix 1

Information about hosts/IP-addresses.

### Hosts for outgoing traffic

Hostname(s)	IP address(es)
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
s1.n-eu.linkmobility.io	213.242.87.36
s2.n-eu.linkmobility.io	213.242.87.37
s3.n-eu.linkmobility.io	213.242.87.38
s4.n-eu.linkmobility.io	213.242.87.39
s5.n-eu.linkmobility.io	213.242.87.40
s6.n-eu.linkmobility.io	213.242.87.41
s1.c-eu.linkmobility.io	62.67.62.101
s2.c-eu.linkmobility.io	62.67.62.102
s3.c-eu.linkmobility.io	62.67.62.103
s4.c-eu.linkmobility.io	62.67.62.104
s5.c-eu.linkmobility.io	62.67.62.105
s6.c-eu.linkmobility.io	62.67.62.106
s1.s-eu.linkmobility.io	217.163.95.196
s2.s-eu.linkmobility.io	217.163.95.197
s3.s-eu.linkmobility.io	217.163.95.198
s4.s-eu.linkmobility.io	217.163.95.199
s5.s-eu.linkmobility.io	217.163.95.200
s6.s-eu.linkmobility.io	217.163.95.201
s1.no.linkmobility.io	213.242.87.68
s2.no.linkmobility.io	213.242.87.69
s3.no.linkmobility.io	213.242.87.70
s4.no.linkmobility.io	213.242.87.71
s5.no.linkmobility.io	213.242.87.72
s6.no.linkmobility.io	213.242.87.73
s1.deb.linkmobility.io	62.67.62.68
s2.deb.linkmobility.io	62.67.62.69
s3.deb.linkmobility.io	62.67.62.70
s4.deb.linkmobility.io	62.67.62.71
s5.deb.linkmobility.io	62.67.62.72
s6.deb.linkmobility.io	62.67.62.73

## Appendix 2

Information about TLS-versions.

### 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
2020-04-22	1.0	PN	Initial version
2020-04-28	1.1	PN	Updates after peer review
2020-05-11	1.2	TR	Added source to MT request
2020-06-05	1.3	TR	MO receive format updated
2020-06-24	1.4	TR	MO context Interactive templates
2020-08-28	1.4.1	TR	Added Appendix 1 (hosts) and Appendix 2 (TLS).
2020-10-15	1.4.2	EP	Support for media in the MO and alternative MO objects to forward.
2021-05-06	1.4.3	ES	ResultCodes added and updated Added customParameter ott.whatsapp.logMessageContent Updated Appendix 1 (hosts)
2021-06-08	1.4.4	SH	Removed the “Alternative receive message” section.
2021-08-19	1.4.5	EH	Support for Interactive message.
2021-08-27	1.4.6	EH	Corrected syntax mistake in interactive message example