
line-bot-sdk-python Documentation

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Contents:

linebot.api module

linebot.api module.

```
class linebot.api.LineBotApi (channel_access_token, endpoint=u'https://api.line.me', timeout=5,  
                             http_client=<class 'linebot.http_client.RequestsHttpClient'>)
```

Bases: object

LineBotApi provides interface for LINE messaging API.

`__init__` method.

Parameters

- **channel_access_token** (*str*) – Your channel access token
- **endpoint** (*str*) – (optional) Default is <https://api.line.me>
- **timeout** (*float* | *tuple(float, float)*) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `linebot.http_client.HttpClient.DEFAULT_TIMEOUT`
- **http_client** (*T* <= `linebot.http_client.HttpClient`) – (optional) Default is `linebot.http_client.RequestsHttpClient`

```
DEFAULT_API_ENDPOINT = u'https://api.line.me'
```

```
get_message_content (message_id, timeout=None)
```

Call get content API.

<https://devdocs.line.me/en/#get-content>

Retrieve image, video, and audio data sent by users.

Parameters

- **message_id** (*str*) – Message ID

- **timeout** (*float | tuple(float, float)*) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.http_client.timeout`

Return type `linebot.models.responses.MessageContent`

Returns MessageContent instance

get_profile (*user_id, timeout=None*)

Call get profile API.

<https://devdocs.line.me/en/#bot-api-get-profile>

Get user profile information.

Parameters

- **user_id** (*str*) – User ID
- **timeout** (*float | tuple(float, float)*) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.http_client.timeout`

Return type `linebot.models.responses.Profile`

Returns Profile instance

leave_group (*group_id, timeout=None*)

Call leave group API.

<https://devdocs.line.me/en/#leave>

Leave a group.

Parameters

- **group_id** (*str*) – Group ID
- **timeout** (*float | tuple(float, float)*) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.http_client.timeout`

leave_room (*room_id, timeout=None*)

Call leave room API.

<https://devdocs.line.me/en/#leave>

Leave a room.

Parameters

- **room_id** (*str*) – Room ID
- **timeout** (*float | tuple(float, float)*) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.http_client.timeout`

multicast (*to, messages, timeout=None*)

Call multicast API.

<https://devdocs.line.me/en/#multicast>

Send messages to multiple users at any time.

Parameters

- **to** (*list[str]*) – IDs of the receivers Max: 150 users

- **messages** ($T \leq \text{linebot.models.send_messages.SendMessage} \mid \text{list}[T \leq \text{linebot.models.send_messages.SendMessage}]$) – Messages. Max: 5
- **timeout** ($\text{float} \mid \text{tuple}(\text{float}, \text{float})$) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.http_client.timeout`

push_message (*to, messages, timeout=None*)

Call push message API.

<https://devdocs.line.me/en/#push-message>

Send messages to users, groups, and rooms at any time.

Parameters

- **to** (*str*) – ID of the receiver
- **messages** ($T \leq \text{linebot.models.send_messages.SendMessage} \mid \text{list}[T \leq \text{linebot.models.send_messages.SendMessage}]$) – Messages. Max: 5
- **timeout** ($\text{float} \mid \text{tuple}(\text{float}, \text{float})$) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.http_client.timeout`

reply_message (*reply_token, messages, timeout=None*)

Call reply message API.

<https://devdocs.line.me/en/#reply-message>

Respond to events from users, groups, and rooms.

Webhooks are used to notify you when an event occurs. For events that you can respond to, a `replyToken` is issued for replying to messages.

Because the `replyToken` becomes invalid after a certain period of time, responses should be sent as soon as a message is received.

Reply tokens can only be used once.

Parameters

- **reply_token** (*str*) – `replyToken` received via webhook
- **messages** ($T \leq \text{linebot.models.send_messages.SendMessage} \mid \text{list}[T \leq \text{linebot.models.send_messages.SendMessage}]$) – Messages. Max: 5
- **timeout** ($\text{float} \mid \text{tuple}(\text{float}, \text{float})$) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.http_client.timeout`

linebot.webhook module

`linebot.http_client` webhook.

class `linebot.webhook.SignatureValidator` (*channel_secret*)

Bases: `object`

Signature validator.

<https://devdocs.line.me/en/#webhook-authentication>

`__init__` method.

Parameters `channel_secret` (*str*) – Channel secret (as text)

validate (*body*, *signature*)

Check signature.

<https://devdocs.line.me/en/#webhook-authentication>

Parameters

- **body** (*str*) – Request body (as text)
- **signature** (*str*) – X-Line-Signature value (as text)

Return type bool

Returns result

class `linebot.webhook.WebhookHandler` (*channel_secret*)

Bases: object

Webhook Handler.

`__init__` method.

Parameters `channel_secret` (*str*) – Channel secret (as text)

add (*event*, *message=None*)

[Decorator] Add handler method.

Parameters

- **event** (T <= `linebot.models.events.Event` class) – Specify a kind of Event which you want to handle
- **message** – (optional) If event is MessageEvent, specify kind of Messages which you want to handle

Type message: T <= `linebot.models.messages.Message` class

Return type func

Returns decorator

default ()

[Decorator] Set default handler method.

Return type func

Returns

handle (*body*, *signature*)

Handle webhook.

Parameters

- **body** (*str*) – Webhook request body (as text)
- **signature** (*str*) – X-Line-Signature value (as text)

class `linebot.webhook.WebhookParser` (*channel_secret*)

Bases: object

Webhook Parser.

`__init__` method.

Parameters `channel_secret` (*str*) – Channel secret (as text)

parse (*body*, *signature*)

Parse webhook request body as text.

Parameters

- **body** (*str*) – Webhook request body (as text)
- **signature** (*str*) – X-Line-Signature value (as text)

Return type list[T <= *linebot.models.events.Event*]

Returns

`linebot.webhook.compare_digest` (*val1*, *val2*)
compare_digest function.

If hmac module has compare_digest function, use it. Or not, use `linebot.utils.safe_compare_digest`.

Parameters

- **val1** (*str* | *bytes*) – string or bytes for compare
- **val2** (*str* | *bytes*) – string or bytes for compare

Return type bool

Returns result

linebot.exceptions module

`linebot.exceptions` module.

exception `linebot.exceptions.BaseError` (*message=u''*)

Bases: `exceptions.Exception`

Base Exception class.

`__init__` method.

Parameters **message** (*str*) – Human readable message

exception `linebot.exceptions.InvalidSignatureError` (*message=u''*)

Bases: `linebot.exceptions.BaseError`

When Webhook signature does NOT match, this error will be raised.

`__init__` method.

Parameters **message** (*str*) – Human readable message

exception `linebot.exceptions.LineBotApiError` (*status_code*, *error=None*)

Bases: `linebot.exceptions.BaseError`

When LINE Messaging API response error, this error will be raised.

`__init__` method.

Parameters

- **status_code** (*int*) – http status code
- **error** (`linebot.models.error.Error`) – (optional) Error class object.

linebot.http_client module

linebot.http_client module.

class linebot.http_client.**HttpClient** (*timeout=5*)

Bases: object

Abstract Base Classes of HttpClient.

`__init__` method.

Parameters `timeout` (*float | tuple(float, float)*) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `DEFAULT_TIMEOUT`

Return type `T <= HttpResponse`

Returns HttpResponse instance

`DEFAULT_TIMEOUT = 5`

get (*url, headers=None, params=None, stream=False, timeout=None*)

GET request.

Parameters

- `url` (*str*) – Request url
- `headers` (*dict*) – (optional) Request headers
- `params` (*dict*) – (optional) Request query parameter
- `stream` (*bool*) – (optional) get content as stream
- `timeout` (*float | tuple(float, float)*) – (optional), How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.timeout`

Return type `T <= HttpResponse`

Returns HttpResponse instance

post (*url, headers=None, data=None, timeout=None*)

POST request.

Parameters

- `url` (*str*) – Request url
- `headers` (*dict*) – (optional) Request headers
- `data` – (optional) Dictionary, bytes, or file-like object to send in the body
- `timeout` (*float | tuple(float, float)*) – (optional), How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.timeout`

Return type `T <= HttpResponse`

Returns HttpResponse instance

class linebot.http_client.**HttpResponse**

Bases: object

HttpResponse.

content

Get request body as binary.

headers

Get headers.

iter_content (*chunk_size=1024, decode_unicode=False*)

Get request body as iterator content (stream).

Parameters

- **chunk_size** (*int*) –
- **decode_unicode** (*bool*) –

json

Get request body as json-decoded.

status_code

Get status code.

text

Get request body as text-decoded.

class `linebot.http_client.RequestsHttpClient` (*timeout=5*)

Bases: `linebot.http_client.HttpClient`

HttpClient implemented by requests.

`__init__` method.

Parameters **timeout** (*float | tuple(float, float)*) – (optional) How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `DEFAULT_TIMEOUT`

get (*url, headers=None, params=None, stream=False, timeout=None*)

GET request.

Parameters

- **url** (*str*) – Request url
- **headers** (*dict*) – (optional) Request headers
- **params** (*dict*) – (optional) Request query parameter
- **stream** (*bool*) – (optional) get content as stream
- **timeout** (*float | tuple(float, float)*) – (optional), How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.timeout`

Return type `RequestsHttpResponse`

Returns `RequestsHttpResponse` instance

post (*url, headers=None, data=None, timeout=None*)

POST request.

Parameters

- **url** (*str*) – Request url
- **headers** (*dict*) – (optional) Request headers
- **data** – (optional) Dictionary, bytes, or file-like object to send in the body

- **timeout** (*float* | *tuple(float, float)*) – (optional), How long to wait for the server to send data before giving up, as a float, or a (connect timeout, readtimeout) float tuple. Default is `self.timeout`

Return type *RequestsHttpResponse*

Returns *RequestsHttpResponse* instance

class `linebot.http_client.RequestsHttpResponse` (*response*)

Bases: `linebot.http_client.HttpResponse`

HttpResponse implemented by requests lib's response.

`__init__` method.

Parameters `response` – requests lib's response

content

Get request body as binary.

headers

Get headers.

iter_content (*chunk_size=1024, decode_unicode=False*)

Get request body as iterator content (stream).

Parameters

- **chunk_size** (*int*) –
- **decode_unicode** (*bool*) –

json

Get request body as json-decoded.

status_code

Get status code.

text

Get request body as text-decoded.

linebot.utils module

`linebot.http_client` module.

`linebot.utils.safe_compare_digest` (*val1, val2*)

`safe_compare_digest` method.

Parameters

- **val1** (*str* | *bytes*) – string or bytes for compare
- **val2** (*str* | *bytes*) – string or bytes for compare

`linebot.utils.to_camel_case` (*text*)

Convert to camel case.

Parameters `text` (*str*) –

Return type `str`

Returns

`linebot.utils.to_snake_case` (*text*)

Convert to snake case.

Parameters `text` (*str*) –

Return type `str`

Returns

Subpackages

linebot.models package

linebot.models.base module

linebot.models.base module.

class `linebot.models.base.Base` (***kwargs*)

Bases: `object`

Base class of model.

Suitable for JSON base data.

`__init__` method.

Parameters `kwargs` –

`as_json_dict` ()

Return dictionary from this object.

Returns `dict`

`as_json_string` ()

Return JSON string from this object.

Return type `str`

Returns

static `get_or_new_from_json_dict` (*data*, *cls*)

Get *cls* object w/ deserialization from json if needed.

If data is instance of *cls*, return data. Else if data is instance of `dict`, create instance from `dict`. Else, return `None`.

Parameters

- `data` –
- `cls` –

Return type `object`

Returns

static `get_or_new_from_json_dict_with_types` (*data*, *cls_map*, *type_key=u'type'*)

Get *cls* object w/ deserialization from json by using type key hint if needed.

If data is instance of one of *cls*, return data. Else if data is instance of `dict`, create instance from `dict`. Else, return `None`.

Parameters

- **data** –
- **cls_map** –
- **type_key** –

Return type object

Returns

classmethod `new_from_json_dict` (*data*)

Create a new instance from a dict.

Parameters **data** – JSON dict

Return type

Returns

linebot.models.error module

linebot.models.error module.

class `linebot.models.error.Error` (*message=None, details=None, **kwargs*)

Bases: `linebot.models.base.Base`

Error response of LINE messaging API.

<https://devdocs.line.me/en/#error-response>

`__init__` method.

Parameters

- **message** (*str*) – Summary of the error
- **details** (list[T <= `linebot.models.error.ErrorDetail`]) – ErrorDetail instance list

:type :param kwargs:

class `linebot.models.error.ErrorDetail` (*message=None, property=None, **kwargs*)

Bases: `linebot.models.base.Base`

ErrorDetail response of LINE messaging API.

<https://devdocs.line.me/en/#error-response>

`__init__` method.

<https://devdocs.line.me/en/#error-response>

Parameters

- **message** (*str*) – Details of the error message
- **property** (*str*) – Related property
- **kwargs** –

linebot.models.events module

linebot.models.events module.

class `linebot.models.events.Beacon` (*type=None, hwid=None, dm=None, **kwargs*)
 Bases: `linebot.models.base.Base`

Beacon.

<https://devdocs.line.me/en/#beacon-event>

`__init__` method.

Parameters

- **type** (*str*) – Type of beacon event
- **hwid** (*str*) – Hardware ID of the beacon that was detected
- **dm** (*str*) – Optional. Device message of beacon which is hex string
- **kwargs** –

device_message

Get dm(device_message) as bytearray.

Return type bytearray

Returns

class `linebot.models.events.BeaconEvent` (*timestamp=None, source=None, reply_token=None, beacon=None, **kwargs*)

Bases: `linebot.models.events.Event`

Webhook BeaconEvent.

<https://devdocs.line.me/en/#beacon-event>

Event object for when a user detects a LINE Beacon. You can reply to beacon events.

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** ($T \leq \text{linebot.models.sources.Source}$) – Source object
- **reply_token** (*str*) – Reply token
- **beacon** (`linebot.models.events.Beacon`) – Beacon object
- **kwargs** –

class `linebot.models.events.Event` (*timestamp=None, source=None, **kwargs*)

Bases: `linebot.models.base.Base`

Abstract Base Class of Webhook Event.

<https://devdocs.line.me/en/#webhook-event-object>

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** ($T \leq \text{linebot.models.sources.Source}$) – Source object
- **kwargs** –

class `linebot.models.events.FollowEvent` (*timestamp=None, source=None, reply_token=None, **kwargs*)

Bases: `linebot.models.events.Event`

Webhook FollowEvent.

<https://devdocs.line.me/en/#follow-event>

Event object for when your account is added as a friend (or unblocked). You can reply to follow events.

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= `linebot.models.sources.Source`) – Source object
- **reply_token** (*str*) – Reply token
- **kwargs** –

class `linebot.models.events.JoinEvent` (*timestamp=None, source=None, reply_token=None, **kwargs*)

Bases: `linebot.models.events.Event`

Webhook JoinEvent.

<https://devdocs.line.me/en/#join-event>

Event object for when your account joins a group or talk room. You can reply to join events.

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= `linebot.models.sources.Source`) – Source object
- **reply_token** (*str*) – Reply token
- **kwargs** –

class `linebot.models.events.LeaveEvent` (*timestamp=None, source=None, **kwargs*)

Bases: `linebot.models.events.Event`

Webhook LeaveEvent.

<https://devdocs.line.me/en/#leave-event>

Event object for when your account leaves a group.

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= `linebot.models.sources.Source`) – Source object
- **kwargs** –

class `linebot.models.events.MessageEvent` (*timestamp=None, source=None, reply_token=None, message=None, **kwargs*)

Bases: `linebot.models.events.Event`

Webhook MessageEvent.

<https://devdocs.line.me/en/#message-event>

Event object which contains the sent message. The message field contains a message object which corresponds with the message type. You can reply to message events.

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= *linebot.models.sources.Source*) – Source object
- **reply_token** (*str*) – Reply token
- **message** (T <= *linebot.models.messages.Message*) – Message object
- **kwargs** –

class `linebot.models.events.Postback` (*data=None, **kwargs*)

Bases: *linebot.models.base.Base*

Postback.

<https://devdocs.line.me/en/#postback-event>

`__init__` method.

Parameters

- **data** (*str*) –
- **kwargs** –

class `linebot.models.events.PostbackEvent` (*timestamp=None, source=None, reply_token=None, postback=None, **kwargs*)

Bases: *linebot.models.events.Event*

Webhook PostbackEvent.

<https://devdocs.line.me/en/#postback-event>

Event object for when a user performs an action on a template message which initiates a postback. You can reply to postback events.

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= *linebot.models.sources.Source*) – Source object
- **reply_token** (*str*) – Reply token
- **postback** (*linebot.models.events.Postback*) – Postback object
- **kwargs** –

class `linebot.models.events.UnfollowEvent` (*timestamp=None, source=None, **kwargs*)

Bases: *linebot.models.events.Event*

Webhook UnfollowEvent.

<https://devdocs.line.me/en/#unfollow-event>

Event object for when your account is blocked.

`__init__` method.

Parameters

- **timestamp** (*long*) – Time of the event in milliseconds
- **source** ($T \leq \text{linebot.models.sources.Source}$) – Source object
- **kwargs** –

linebot.models.imagemap module

linebot.models.imagemap module.

class `linebot.models.imagemap.BaseSize` (*width=None, height=None, **kwargs*)

Bases: `linebot.models.base.Base`

BaseSize.

<https://devdocs.line.me/en/#imagemap-message>

`__init__` method.

<https://devdocs.line.me/en/#imagemap-message>

Parameters

- **width** (*int*) – Width of base image (set to 1040px)
- **height** (*int*) – Height of base imageset to the height that corresponds to a width of 1040px
- **kwargs** –

class `linebot.models.imagemap.ImagemapAction` (***kwargs*)

Bases: `linebot.models.base.Base`

ImagemapAction.

<https://devdocs.line.me/en/#imagemap-message>

`__init__` method.

Parameters **kwargs** –

class `linebot.models.imagemap.ImagemapArea` (*x=None, y=None, width=None, height=None, **kwargs*)

Bases: `linebot.models.base.Base`

ImagemapArea.

<https://devdocs.line.me/en/#imagemap-area-object>

Defines the size of the full imagemap with the width as 1040px. The top left is used as the origin of the area.

`__init__` method.

Parameters

- **x** (*int*) – Horizontal position of the tappable area
- **y** (*int*) – Vertical position of the tappable area
- **width** (*int*) – Width of the tappable area
- **height** (*int*) – Height of the tappable area
- **kwargs** –

```
class linebot.models.imagemap.ImagemapSendMessage (base_url=None, alt_text=None,  

base_size=None, actions=None,  

**kwargs)
```

Bases: `linebot.models.send_messages.SendMessage`

ImagemapSendMessage.

<https://devdocs.line.me/en/#imagemap-message>

Imagemaps are images with one or more links. You can assign one link for the entire image or multiple links which correspond to different regions of the image.

`__init__` method.

Parameters

- **base_url** (*str*) – Base URL of image. HTTPS
- **alt_text** (*str*) – Alternative text
- **base_size** (`linebot.models.imagemap.BaseSize`) – Width and height of base image
- **actions** (`list[T <= linebot.models.imagemap.ImagemapAction]`) – Action when tapped
- **kwargs** –

```
class linebot.models.imagemap.MessageImagemapAction (text=None, area=None, **kwargs)
```

Bases: `linebot.models.imagemap.ImagemapAction`

MessageImagemapAction.

<https://devdocs.line.me/en/#imagemap-message>

`__init__` method.

Parameters

- **text** (*str*) – Message to send
- **area** (`linebot.models.imagemap.ImagemapArea`) – Defined tappable area
- **kwargs** –

```
class linebot.models.imagemap.URIImagemapAction (link_uri=None, area=None, **kwargs)
```

Bases: `linebot.models.imagemap.ImagemapAction`

URIImagemapAction.

<https://devdocs.line.me/en/#imagemap-message>

`__init__` method.

Parameters

- **link_uri** (*str*) – Webpage URL
- **area** (`linebot.models.imagemap.ImagemapArea`) – Defined tappable area
- **kwargs** –

linebot.models.messages module

linebot.models.messages module.

class `linebot.models.messages.AudioMessage` (*id=None, **kwargs*)
Bases: `linebot.models.messages.Message`

AudioMessage.

<https://devdocs.line.me/en/#audio-message>

Message object which contains the audio content sent from the source. The binary audio data can be retrieved with the Content API.

`__init__` method.

Parameters

- **id** (*str*) – Message ID
- **kwargs** –

class `linebot.models.messages.ImageMessage` (*id=None, **kwargs*)
Bases: `linebot.models.messages.Message`

ImageMessage.

<https://devdocs.line.me/en/#image-message>

Message object which contains the image content sent from the source. The binary image data can be retrieved with the Content API.

`__init__` method.

Parameters

- **id** (*str*) – Message ID
- **kwargs** –

class `linebot.models.messages.LocationMessage` (*id=None, title=None, address=None, latitude=None, longitude=None, **kwargs*)
Bases: `linebot.models.messages.Message`

LocationMessage.

<https://devdocs.line.me/en/#location-message>

`__init__` method.

Parameters

- **id** (*str*) – Message ID
- **title** (*str*) – Title
- **address** (*str*) – Address
- **latitude** (*float*) – Latitude
- **longitude** (*float*) – Longitude
- **kwargs** –

class `linebot.models.messages.Message` (*id=None, **kwargs*)
Bases: `linebot.models.base.Base`

Abstract Base Class of Message.

`__init__` method.

Parameters

- **id** (*str*) – Message ID

- **kwargs** –

class `linebot.models.messages.StickerMessage` (*id=None, package_id=None, sticker_id=None, **kwargs*)

Bases: `linebot.models.messages.Message`

StickerMessage.

<https://devdocs.line.me/en/#sticker-message>

Message object which contains the sticker data sent from the source. For a list of basic LINE stickers and sticker IDs, see sticker list.

`__init__` method.

Parameters

- **id** (*str*) – Message ID
- **package_id** (*str*) – Package ID
- **sticker_id** (*str*) – Sticker ID
- **kwargs** –

class `linebot.models.messages.TextMessage` (*id=None, text=None, **kwargs*)

Bases: `linebot.models.messages.Message`

TextMessage.

<https://devdocs.line.me/en/#text-message>

Message object which contains the text sent from the source.

`__init__` method.

Parameters

- **id** (*str*) – Message ID
- **text** (*str*) – Message text
- **kwargs** –

class `linebot.models.messages.VideoMessage` (*id=None, **kwargs*)

Bases: `linebot.models.messages.Message`

VideoMessage.

<https://devdocs.line.me/en/#video-message>

Message object which contains the video content sent from the source. The binary video data can be retrieved with the Content API.

`__init__` method.

Parameters

- **id** (*str*) – Message ID
- **kwargs** –

linebot.models.responses module

linebot.models.responses module.

class `linebot.models.responses.MessageContent` (*response*)

Bases: `object`

`MessageContent`.

<https://devdocs.line.me/ja/#get-content>

`__init__` method.

Parameters

- **response** (T <= `linebot.http_client.HttpResponse`) – `HttpResponse` object
- **kwargs** –

content

Get content.

If content size is large, should use `iter_content`.

Return type `binary`

content_type

Get Content-type header value.

Return type `str`

Returns content-type header value

iter_content (*chunk_size=1024*)

Get content as iterator (stream).

If content size is large, should use this.

Parameters **chunk_size** – Chunk size

Return type `iterator`

Returns

class `linebot.models.responses.Profile` (*display_name=None, user_id=None, picture_url=None, status_message=None, **kwargs*)

Bases: `linebot.models.base.Base`

`Profile`.

<https://devdocs.line.me/en/#bot-api-get-profile>

`__init__` method.

Parameters

- **display_name** (*str*) – Display name
- **user_id** (*str*) – User ID
- **picture_url** (*str*) – Image URL
- **status_message** (*str*) – Status message
- **kwargs** –

linebot.models.send_messages module

`linebot.models.send_messages` module.

class `linebot.models.send_messages.AudioSendMessage` (*original_content_url=None, duration=None, **kwargs*)

Bases: `linebot.models.send_messages.SendMessage`

AudioSendMessage.

<https://devdocs.line.me/en/#audio>

`__init__` method.

Parameters

- **original_content_url** (*str*) – URL of audio file. HTTPS m4a Less than 1 minute Max 10 MB
- **duration** (*long*) – Length of audio file (milliseconds).
- **kwargs** –

class `linebot.models.send_messages.ImageSendMessage` (*original_content_url=None, preview_image_url=None, **kwargs*)

Bases: `linebot.models.send_messages.SendMessage`

ImageSendMessage.

<https://devdocs.line.me/en/#image>

`__init__` method.

Parameters

- **original_content_url** (*str*) – Image URL. HTTPS JPEG Max: 1024 x 1024 Max: 1 MB
- **preview_image_url** (*str*) – Preview image URL HTTPS JPEG Max: 240 x 240 Max: 1 MB
- **kwargs** –

class `linebot.models.send_messages.LocationSendMessage` (*title=None, address=None, latitude=None, longitude=None, **kwargs*)

Bases: `linebot.models.send_messages.SendMessage`

LocationSendMessage.

<https://devdocs.line.me/en/#location>

`__init__` method.

Parameters

- **title** (*str*) – Title
- **address** (*str*) – Address
- **latitude** (*float*) – Latitude
- **longitude** (*float*) – Longitude
- **kwargs** –

class `linebot.models.send_messages.SendMessage` (***kwargs*)

Bases: `linebot.models.base.Base`

Abstract Base Class of SendMessage.

`__init__` method.

Parameters **kwargs** –

class `linebot.models.send_messages.StickerSendMessage` (*package_id=None, sticker_id=None, **kwargs*)

Bases: `linebot.models.send_messages.SendMessage`

StickerSendMessage.

<https://devdocs.line.me/en/#sticker>

`__init__` method.

Parameters

- **package_id** (*str*) – Package ID
- **sticker_id** (*str*) – Sticker ID
- **kwargs** –

class `linebot.models.send_messages.TextSendMessage` (*text=None, **kwargs*)

Bases: `linebot.models.send_messages.SendMessage`

TextSendMessage.

<https://devdocs.line.me/en/#text>

`__init__` method.

Parameters

- **text** (*str*) – Message text
- **kwargs** –

class `linebot.models.send_messages.VideoSendMessage` (*original_content_url=None, preview_image_url=None, **kwargs*)

Bases: `linebot.models.send_messages.SendMessage`

VideoSendMessage.

<https://devdocs.line.me/en/#video>

`__init__` method.

Parameters

- **original_content_url** (*str*) – URL of video file. HTTPS mp4 Less than 1 minute
Max: 10 MB
- **preview_image_url** (*str*) – URL of preview image. HTTPS JPEG Max: 240 x 240
Max: 1 MB
- **kwargs** –

linebot.models.sources module

linebot.models.sources module.

class `linebot.models.sources.Source` (***kwargs*)

Bases: `linebot.models.base.Base`

Abstract Base Class of Source.

`__init__` method.

Parameters **kwargs** –

sender_id

Abstract property of id to send a message.

If SourceUser, return user_id. If SourceGroup, return group_id. If SourceRoom, return room_id.

'sender_id' is deprecated.

Return type str

Returns

class `linebot.models.sources.SourceGroup` (*group_id=None, user_id=None, **kwargs*)

Bases: `linebot.models.sources.Source`

SourceGroup.

<https://devdocs.line.me/en/#source-group>

JSON object which contains the source group of the event.

`__init__` method.

Parameters

- **group_id** (*str*) – ID of the source group
- **user_id** (*str*) – ID of the source user
- **kwargs** –

sender_id

Alias of group_id.

'sender_id' is deprecated. Use 'group_id' instead.

Return type str

Returns

class `linebot.models.sources.SourceRoom` (*room_id=None, user_id=None, **kwargs*)

Bases: `linebot.models.sources.Source`

SourceRoom.

<https://devdocs.line.me/en/#source-room>

JSON object which contains the source room of the event.

`__init__` method.

Parameters

- **room_id** (*str*) – ID of the source room
- **user_id** (*str*) – ID of the source user
- **kwargs** –

sender_id

Alias of room_id.

'sender_id' is deprecated. Use 'room_id' instead.

Return type str

Returns

class `linebot.models.sources.SourceUser` (*user_id=None, **kwargs*)

Bases: `linebot.models.sources.Source`

SourceUser.

<https://devdocs.line.me/en/#source-user>

JSON object which contains the source user of the event.

`__init__` method.

Parameters

- **user_id** (*str*) – ID of the source user
- **kwargs** –

sender_id

Alias of `user_id`.

‘sender_id’ is deprecated. Use ‘user_id’ instead.

Return type `str`

Returns

linebot.models.template module

linebot.models.template module.

class `linebot.models.template.ButtonsTemplate` (*text=None, title=None, thumbnail_image_url=None, actions=None, **kwargs*)

Bases: `linebot.models.template.Template`

ButtonsTemplate.

<https://devdocs.line.me/en/#buttons>

Template message with an image, title, text, and multiple action buttons.

`__init__` method.

Parameters

- **text** (*str*) – Message text. Max: 160 characters (no image or title). Max: 60 characters (message with an image or title)
- **title** (*str*) – Title. Max: 40 characters
- **thumbnail_image_url** (*str*) – Image URL. HTTPS JPEG or PNG Aspect ratio: 1:1.51 Max width: 1024px Max: 1 MB
- **actions** (`list[T <= linebot.models.template.TemplateAction]`) – Action when tapped. Max: 4
- **kwargs** –

class `linebot.models.template.CarouselColumn` (*text=None, title=None, thumbnail_image_url=None, actions=None, **kwargs*)

Bases: `linebot.models.base.Base`

CarouselColumn.

<https://devdocs.line.me/en/#column-object>

`__init__` method.

Parameters

- **text** (*str*) – Message text. Max: 120 characters (no image or title) Max: 60 characters (message with an image or title)
- **title** (*str*) – Title. Max: 40 characters
- **thumbnail_image_url** (*str*) – Image URL. HTTPS JPEG or PNG Aspect ratio: 1:1.51 Max width: 1024px Max: 1 MB
- **actions** (list[T <= *linebot.models.template.TemplateAction*]) – Action when tapped. Max: 3
- **kwargs** –

class `linebot.models.template.CarouselTemplate` (*columns=None, **kwargs*)

Bases: *linebot.models.base.Base*

CarouselTemplate.

<https://devdocs.line.me/en/#carousel>

Template message with multiple columns which can be cycled like a carousel.

`__init__` method.

Parameters

- **columns** (list[T <= *linebot.models.template.CarouselColumn*]) – Array of columns. Max: 5
- **kwargs** –

class `linebot.models.template.ConfirmTemplate` (*text=None, actions=None, **kwargs*)

Bases: *linebot.models.template.Template*

ConfirmTemplate.

<https://devdocs.line.me/en/#confirm>

Template message with two action buttons.

`__init__` method.

Parameters

- **text** (*str*) – Message text. Max: 240 characters
- **actions** (list[T <= *linebot.models.template.TemplateAction*]) – Action when tapped. Max: 2
- **kwargs** –

class `linebot.models.template.MessageTemplateAction` (*label=None, text=None, **kwargs*)

Bases: *linebot.models.template.TemplateAction*

MessageTemplateAction.

<https://devdocs.line.me/en/#template-messages>

When this action is tapped, the string in the text field is sent as a message from the user.

`__init__` method.

Parameters

- **label** (*str*) – Label for the action. Max: 20 characters

- **text** (*str*) – Text sent when the action is performed. Max: 300 characters
- **kwargs** –

class `linebot.models.template.PostbackTemplateAction` (*label=None, data=None, text=None, **kwargs*)

Bases: `linebot.models.template.TemplateAction`

PostbackTemplateAction.

<https://devdocs.line.me/en/#template-messages>

When this action is tapped, a postback event is returned via webhook with the specified string in the data field.

If you have included the text field, the string in the text field is sent as a message from the user.

`__init__` method.

Parameters

- **label** (*str*) – Label for the action. Max: 20 characters
- **data** (*str*) – String returned via webhook in the `postback.data` property of the postback event. Max: 300 characters
- **text** (*str*) – Text sent when the action is performed. Max: 300 characters
- **kwargs** –

class `linebot.models.template.Template` (***kwargs*)

Bases: `linebot.models.base.Base`

Abstract Base Class of Template.

`__init__` method.

Parameters **kwargs** –

class `linebot.models.template.TemplateAction` (***kwargs*)

Bases: `linebot.models.base.Base`

Abstract Base Class of TemplateAction.

`__init__` method.

Parameters **kwargs** –

class `linebot.models.template.TemplateSendMessage` (*alt_text=None, template=None, **kwargs*)

Bases: `linebot.models.send_messages.SendMessage`

TemplateSendMessage.

<https://devdocs.line.me/en/#template-messages>

Template messages are messages with predefined layouts which you can customize. There are three types of templates available that can be used to interact with users through your bot.

`__init__` method.

Parameters

- **alt_text** (*str*) – Alternative text for unsupported devices.
- **template** (*T <= linebot.models.template.Template*) – Object with the contents of the template.
- **kwargs** –

class `linebot.models.template.URITemplateAction` (*label=None, uri=None, **kwargs*)

Bases: `linebot.models.template.TemplateAction`

URITemplateAction.

<https://devdocs.line.me/en/#template-messages>

When this action is tapped, the URI specified in the `uri` field is opened.

`__init__` method.

Parameters

- **label** (*str*) – Label for the action Max: 20 characters
- **uri** (*str*) – URI opened when the action is performed. http, https, tel
- **kwargs** –

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