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# **line-bot-sdk-python Documentation**

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Contents:



## LINEBOT PACKAGE

### 1.1 linebot.api module

linebot.api module.

```
class linebot.api.LineBotApi(*args, **kwargs)
```

Bases: object

LineBotApi provides interface for LINE messaging API.

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

```
DEFAULT_API_DATA_ENDPOINT = 'https://api-data.line.me'
```

```
__init__(channel_access_token, endpoint='https://api.line.me', data_endpoint='https://api-data.line.me',  
         timeout=5, http_client=<class 'linebot.http_client.RequestsHttpClient'>)
```

`__init__` method.

#### Parameters

- **channel\_access\_token** (*str*) – Your channel access token
- **endpoint** (*str*) – (optional) Default is <https://api.line.me>
- **data\_endpoint** (*str*) – (optional) Default is <https://api-data.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, read timeout) float tuple. Default is `linebot.http_client.HttpClient.DEFAULT_TIMEOUT`
- **http\_client** (*T* <= `linebot.http_client.HttpClient`) – (optional) Default is `linebot.http_client.RequestsHttpClient`

```
reply_message(reply_token, messages, notification_disabled=False, timeout=None)
```

Call reply message API.

<https://developers.line.biz/en/reference/messaging-api/#send-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* <= `linebot.models.send_messages.SendMessage` | list[*T* <= `linebot.models.send_messages.SendMessage`]) – Messages. Max: 5
- **notification\_disabled** (*bool*) – (optional) True to disable push notification when the message is sent. The default value is False.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**push\_message**(*to*, *messages*, *retry\_key=None*, *notification\_disabled=False*,  
*custom\_aggregation\_units=None*, *timeout=None*)

Call push message API.

<https://developers.line.biz/en/reference/messaging-api/#send-push-message>

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

#### Parameters

- **to** (*str*) – ID of the receiver
- **messages** (*T* <= `linebot.models.send_messages.SendMessage` | list[*T* <= `linebot.models.send_messages.SendMessage`]) – Messages. Max: 5
- **retry\_key** – (optional) Arbitrarily generated UUID in hexadecimal notation.
- **notification\_disabled** (*bool*) – (optional) True to disable push notification when the message is sent. The default value is False.
- **custom\_aggregation\_units** (*str* | list[*str*]) – (optional) Name of aggregation unit. Case-sensitive. Max unit: 1 Max aggregation unit name length: 30 characters Supported character types: Half-width alphanumeric characters and underscore
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**multicast**(*to*, *messages*, *retry\_key=None*, *notification\_disabled=False*, *custom\_aggregation\_units=None*,  
*timeout=None*)

Call multicast API.

<https://developers.line.biz/en/reference/messaging-api/#send-multicast-message>

Sends push messages to multiple users at any time. Messages cannot be sent to groups or rooms.

#### Parameters

- **to** (list[*str*]) – IDs of the receivers Max: 500 users
- **messages** (*T* <= `linebot.models.send_messages.SendMessage` | list[*T* <= `linebot.models.send_messages.SendMessage`]) – Messages. Max: 5
- **retry\_key** – (optional) Arbitrarily generated UUID in hexadecimal notation.
- **notification\_disabled** (*bool*) – (optional) True to disable push notification when the message is sent. The default value is False.
- **custom\_aggregation\_units** (*str* | list[*str*]) – (optional) Name of aggregation unit. Case-sensitive. Max unit: 1 Max aggregation unit name length: 30 characters Supported character types: Half-width alphanumeric characters and underscore



- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**broadcast** (*messages*, *retry\_key=None*, *notification\_disabled=False*, *timeout=None*)

Call broadcast API.

<https://developers.line.biz/en/reference/messaging-api/#send-broadcast-message>

Sends push messages to multiple users at any time.

#### Parameters

- **messages** (*T* <= `linebot.models.send_messages.SendMessage` | `list[T <= linebot.models.send_messages.SendMessage]`) – Messages. Max: 5
- **retry\_key** – (optional) Arbitrarily generated UUID in hexadecimal notation.
- **notification\_disabled** (*bool*) – (optional) True to disable push notification when the message is sent. The default value is False.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

#### Return type

`linebot.models.responses.BroadcastResponse`

**narrowcast** (*messages*, *retry\_key=None*, *recipient=None*, *filter=None*, *limit=None*, *notification\_disabled=False*, *timeout=None*)

Call narrowcast API.

<https://developers.line.biz/en/reference/messaging-api/#send-narrowcast-message>

Sends push messages to multiple users at any time. Messages cannot be sent to groups or rooms.

#### Parameters

- **messages** (*T* <= `linebot.models.send_messages.SendMessage` | `list[T <= linebot.models.send_messages.SendMessage]`) – Messages. Max: 5
- **retry\_key** – (optional) Arbitrarily generated UUID in hexadecimal notation.
- **recipient** (*T* <= `linebot.models.recipient.AudienceRecipient`) – audience object of recipient
- **filter** (*T* <= `linebot.models.filter.DemographicFilter`) – demographic filter of recipient
- **limit** (*T* <= `linebot.models.limit.Limit`) – limit on this narrowcast
- **notification\_disabled** (*bool*) – (optional) True to disable push notification when the message is sent. The default value is False.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

#### Return type

`linebot.models.responses.NarrowcastResponse`

**get\_progress\_status\_narrowcast**(*request\_id*, *timeout=None*)

Get progress status of narrowcast messages sent.

<https://developers.line.biz/en/reference/messaging-api/#get-narrowcast-progress-status>

Gets the number of messages sent with the /bot/message/progress/narrowcast endpoint.

#### Parameters

- **request\_id** (*str*) – request ID of narrowcast.
- **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, read timeout) float tuple. Default is self.http\_client.timeout

#### Return type

*linebot.models.responses.MessageDeliveryBroadcastResponse*

**validate\_reply\_message\_objects**(*messages*, *timeout=None*)

Call validate reply message objects API.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-reply-message>

You can validate that an array of message objects is valid as a value for the messages property of the request body for the send reply message endpoint.

#### Parameters

- **messages** (*T* <= *linebot.models.send\_messages.SendMessage* | list[*T* <= *linebot.models.send\_messages.SendMessage*]) – Messages. Max: 5
- **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, read timeout) float tuple. Default is self.http\_client.timeout

#### Return type

*linebot.models.responses.ValidateReplyMessageObjectsResponse*

**validate\_push\_message\_objects**(*messages*, *timeout=None*)

Call validate push message objects API.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-push-message>

You can validate that an array of message objects is valid as a value for the messages property of the request body for the send push message endpoint.

#### Parameters

- **messages** (*T* <= *linebot.models.send\_messages.SendMessage* | list[*T* <= *linebot.models.send\_messages.SendMessage*]) – Messages. Max: 5
- **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, read timeout) float tuple. Default is self.http\_client.timeout

#### Return type

*linebot.models.responses.ValidatePushMessageObjectsResponse*

**validate\_multicast\_message\_objects**(*messages*, *timeout=None*)

Call validate multicast message objects API.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-multicast-message>

You can validate that an array of message objects is valid as a value for the messages property of the request body for the send multicast message endpoint.

**Parameters**

- **messages** (T <= `linebot.models.send_messages.SendMessage` | list[T <= `linebot.models.send_messages.SendMessage`]) – Messages. Max: 5
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

`linebot.models.responses.ValidateMulticastMessageObjectsResponse`

**validate\_broadcast\_message\_objects**(messages, timeout=None)

Call validate broadcast message objects API.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-broadcast-message>

You can validate that an array of message objects is valid as a value for the messages property of the request body for the send broadcast message endpoint.

**Parameters**

- **messages** (T <= `linebot.models.send_messages.SendMessage` | list[T <= `linebot.models.send_messages.SendMessage`]) – Messages. Max: 5
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

`linebot.models.responses.ValidateBroadcastMessageObjectsResponse`

**validate\_narrowcast\_message\_objects**(messages, timeout=None)

Call validate narrowcast message objects API.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-narrowcast-message>

You can validate that an array of message objects is valid as a value for the messages property of the request body for the send narrowcast message endpoint.

**Parameters**

- **messages** (T <= `linebot.models.send_messages.SendMessage` | list[T <= `linebot.models.send_messages.SendMessage`]) – Messages. Max: 5
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

`linebot.models.responses.ValidateNarrowcastMessageObjectsResponse`

**get\_message\_delivery\_broadcast**(date, timeout=None)

Get number of sent broadcast messages.

<https://developers.line.biz/en/reference/messaging-api/#get-number-of-broadcast-messages>

Gets the number of messages sent with the /bot/message/broadcast endpoint.

**Parameters**

- **date** (str) – Date the messages were sent. The format is yyyyMMdd (Timezone is UTC+9).

- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.MessageDeliveryBroadcastResponse*

**get\_message\_delivery\_reply**(*date*, *timeout=None*)

Get number of sent reply messages.

<https://developers.line.biz/en/reference/messaging-api/#get-number-of-reply-messages>

Gets the number of messages sent with the `/bot/message/reply` endpoint.

**Parameters**

- **date** (*str*) – Date the messages were sent. The format is `yyyyMMdd` (Timezone is UTC+9).
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.MessageDeliveryReplyResponse*

**get\_message\_delivery\_push**(*date*, *timeout=None*)

Get number of sent push messages.

<https://developers.line.biz/en/reference/messaging-api/#get-number-of-push-messages>

Gets the number of messages sent with the `/bot/message/push` endpoint.

**Parameters**

- **date** (*str*) – Date the messages were sent. The format is `yyyyMMdd` (Timezone is UTC+9).
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.MessageDeliveryPushResponse*

**get\_message\_delivery\_multicast**(*date*, *timeout=None*)

Get number of sent multicast messages.

<https://developers.line.biz/en/reference/messaging-api/#get-number-of-multicast-messages>

Gets the number of messages sent with the `/bot/message/multicast` endpoint.

**Parameters**

- **date** (*str*) – Date the messages were sent. The format is `yyyyMMdd` (Timezone is UTC+9).
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.MessageDeliveryMulticastResponse*

**get\_profile**(*user\_id*, *timeout=None*)

Call get profile API.

<https://developers.line.biz/en/reference/messaging-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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.Profile*

**Returns**

Profile instance

**get\_group\_summary**(*group\_id*, *timeout=None*)

Call get group summary API.

<https://developers.line.biz/en/reference/messaging-api/#get-group-summary>

Gets the group ID, group name, and group icon URL of a group where the LINE Official Account is a member.

**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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.Group*

**Returns**

Profile instance

**get\_group\_members\_count**(*group\_id*, *timeout=None*)

Call get members in group count API.

<https://developers.line.biz/en/reference/messaging-api/#get-members-group-count>

Gets the count of members in 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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.Group*

**Returns**

Profile instance

**get\_room\_members\_count**(*room\_id*, *timeout=None*)

Call get members in room count API.

<https://developers.line.biz/en/reference/messaging-api/#get-members-room-count>

Gets the count of members in 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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

[\*linebot.models.responses.Group\*](#)

**Returns**

Profile instance

**get\_group\_member\_profile**(*group\_id*, *user\_id*, *timeout=None*)

Call get group member profile API.

<https://developers.line.biz/en/reference/messaging-api/#get-group-member-profile>

Gets the user profile of a member of a group that the bot is in. This can be the user ID of a user who has not added the bot as a friend or has blocked the bot.

**Parameters**

- **group\_id** (*str*) – Group ID
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

[\*linebot.models.responses.Profile\*](#)

**Returns**

Profile instance

**get\_room\_member\_profile**(*room\_id*, *user\_id*, *timeout=None*)

Call get room member profile API.

<https://developers.line.biz/en/reference/messaging-api/#get-room-member-profile>

Gets the user profile of a member of a room that the bot is in. This can be the user ID of a user who has not added the bot as a friend or has blocked the bot.

**Parameters**

- **room\_id** (*str*) – Room ID
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

[\*linebot.models.responses.Profile\*](#)

**Returns**

Profile instance

**get\_group\_member\_ids**(*group\_id*, *start=None*, *timeout=None*)

Call get group member IDs API.

<https://developers.line.biz/en/reference/messaging-api/#get-group-member-ids>

Gets the user IDs of the members of a group that the bot is in. This includes the user IDs of users who have not added the bot as a friend or has blocked the bot.

**Parameters**

- **group\_id** (*str*) – Group ID
- **start** (*str*) – continuationToken
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

[\*linebot.models.responses.MemberIds\*](#)

**Returns**

MemberIds instance

**get\_room\_member\_ids**(*room\_id*, *start=None*, *timeout=None*)

Call get room member IDs API.

<https://developers.line.biz/en/reference/messaging-api/#get-room-member-ids>

Gets the user IDs of the members of a group that the bot is in. This includes the user IDs of users who have not added the bot as a friend or has blocked the bot.

**Parameters**

- **room\_id** (*str*) – Room ID
- **start** (*str*) – continuationToken
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

[\*linebot.models.responses.MemberIds\*](#)

**Returns**

MemberIds instance

**get\_message\_content**(*message\_id*, *timeout=None*)

Call get content API.

<https://developers.line.biz/en/reference/messaging-api/#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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.Content*

**Returns**

Content instance

**leave\_group**(*group\_id*, *timeout=None*)

Call leave group API.

<https://developers.line.biz/en/reference/messaging-api/#leave-group>

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, read timeout) float tuple. Default is self.http\_client.timeout

**leave\_room**(*room\_id*, *timeout=None*)

Call leave room API.

<https://developers.line.biz/en/reference/messaging-api/#leave-room>

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, read timeout) float tuple. Default is self.http\_client.timeout

**get\_rich\_menu**(*rich\_menu\_id*, *timeout=None*)

Call get rich menu API.

<https://developers.line.biz/en/reference/messaging-api/#get-rich-menu>

**Parameters**

- **rich\_menu\_id** (*str*) – ID of the rich menu
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.RichMenuResponse*

**Returns**

RichMenuResponse instance

**get\_rich\_menu\_alias**(*rich\_menu\_alias\_id=None*, *timeout=None*)

Call get rich menu alias API.

<https://developers.line.biz/en/reference/messaging-api/#get-rich-menu-alias-by-id>

**Parameters**

- **rich\_menu\_alias\_id** (*str*) – ID of an uploaded rich menu alias.



- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

`linebot.models.responses.RichMenuAliasResponse`

**Returns**

`RichMenuAliasResponse` instance

**get\_rich\_menu\_alias\_list**(*timeout=None*)

Call get rich menu alias list API.

<https://developers.line.biz/en/reference/messaging-api/#update-rich-menu-alias>

**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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

`linebot.models.responses.RichMenuAliasListResponse`

**Returns**

`RichMenuAliasListResponse` instance

**validate\_rich\_menu\_object**(*rich\_menu, timeout=None*)

Call validate rich menu object API.

<https://developers.line.biz/ja/reference/messaging-api/#validate-rich-menu-object>

**Parameters**

- **rich\_menu** (*T* <= `linebot.models.rich_menu.RichMenu`) – Inquired to validate a rich menu object.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**create\_rich\_menu**(*rich\_menu, timeout=None*)

Call create rich menu API.

<https://developers.line.biz/en/reference/messaging-api/#create-rich-menu>

**Parameters**

- **rich\_menu** (*T* <= `linebot.models.rich_menu.RichMenu`) – Inquired to create a rich menu object.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

`str`

**Returns**

rich menu id

**create\_rich\_menu\_alias**(*rich\_menu\_alias, timeout=None*)

Call create rich menu alias API.

<https://developers.line.biz/en/reference/messaging-api/#create-rich-menu-alias>

**Parameters**

- **rich\_menu\_alias** (T <= `linebot.models.rich_menu.RichMenuAlias`) – Inquired to create a rich menu alias object.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

str

**Returns**

rich menu id

**update\_rich\_menu\_alias**(*rich\_menu\_alias\_id*, *rich\_menu\_alias*, *timeout=None*)

Call update rich menu alias API.

<https://developers.line.biz/en/reference/messaging-api/#update-rich-menu-alias>**Parameters**

- **rich\_menu\_alias\_id** (*str*) – ID of an uploaded rich menu alias.
- **rich\_menu\_alias** (T <= `linebot.models.rich_menu.RichMenuAlias`) – Inquired to create a rich menu alias object.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

str

**Returns**

rich menu id

**delete\_rich\_menu**(*rich\_menu\_id*, *timeout=None*)

Call delete rich menu API.

<https://developers.line.biz/en/reference/messaging-api/#delete-rich-menu>**Parameters**

- **rich\_menu\_id** (*str*) – ID of an uploaded rich menu
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**delete\_rich\_menu\_alias**(*rich\_menu\_alias\_id*, *timeout=None*)

Call delete rich menu alias API.

<https://developers.line.biz/en/reference/messaging-api/#delete-rich-menu-alias>**Parameters**

- **rich\_menu\_alias\_id** (*str*) – ID of an uploaded rich menu alias.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**get\_rich\_menu\_id\_of\_user**(*user\_id*, *timeout=None*)

Call get rich menu ID of user API.

<https://developers.line.biz/en/reference/messaging-api/#get-rich-menu-id-of-user>

**Parameters**

- **user\_id** (*str*) – IDs of the user
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

str

**Returns**

rich menu id

**link\_rich\_menu\_to\_user**(*user\_id*, *rich\_menu\_id*, *timeout=None*)

Call link rich menu to user API.

<https://developers.line.biz/en/reference/messaging-api/#link-rich-menu-to-user>

**Parameters**

- **user\_id** (*str*) – ID of the user
- **rich\_menu\_id** (*str*) – ID of an uploaded rich menu
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**link\_rich\_menu\_to\_users**(*user\_ids*, *rich\_menu\_id*, *timeout=None*)

Links a rich menu to multiple users.

<https://developers.line.biz/en/reference/messaging-api/#link-rich-menu-to-users>

**Parameters**

- **user\_ids** (*list[str]*) – user IDs Max: 150 users
- **rich\_menu\_id** (*str*) – ID of an uploaded rich menu
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**unlink\_rich\_menu\_from\_user**(*user\_id*, *timeout=None*)

Call unlink rich menu from user API.

<https://developers.line.biz/en/reference/messaging-api#unlink-rich-menu-from-user>

**Parameters**

- **user\_id** (*str*) – ID of the user
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**unlink\_rich\_menu\_from\_users**(*user\_ids*, *timeout=None*)

Unlinks rich menus from multiple users.

<https://developers.line.biz/en/reference/messaging-api/#unlink-rich-menu-from-users>

**Parameters**

- **user\_ids** (*list[str]*) – user IDs Max: 150 users
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**get\_rich\_menu\_image**(*rich\_menu\_id*, *timeout=None*)

Call download rich menu image API.

<https://developers.line.biz/en/reference/messaging-api#download-rich-menu-image>

**Parameters**

- **rich\_menu\_id** (*str*) – ID of the rich menu with the image to be downloaded
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

`linebot.models.responses.Content`

**Returns**

Content instance

**set\_rich\_menu\_image**(*rich\_menu\_id*, *content\_type*, *content*, *timeout=None*)

Call upload rich menu image API.

<https://developers.line.me/en/docs/messaging-api/reference/#upload-rich-menu-image>

Uploads and attaches an image to a rich menu.

**Parameters**

- **rich\_menu\_id** (*str*) – IDs of the richmenu
- **content\_type** (*str*) – image/jpeg or image/png
- **content** – image content as bytes, or file-like object
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**get\_rich\_menu\_list**(*timeout=None*)

Call get rich menu list API.

<https://developers.line.me/en/docs/messaging-api/reference/#get-rich-menu-list>

**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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

`list(T <= linebot.models.responses.RichMenuResponse)`

**Returns**

list[RichMenuResponse] instance

**set\_default\_rich\_menu**(*rich\_menu\_id*, *timeout=None*)

Set the default rich menu.

<https://developers.line.biz/en/reference/messaging-api/#set-default-rich-menu>

**Parameters**

- **rich\_menu\_id** (*str*) – ID of an uploaded rich menu
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**get\_default\_rich\_menu**(*timeout=None*)

Get the ID of the default rich menu set with the Messaging API.

<https://developers.line.biz/en/reference/messaging-api/#get-default-rich-menu-id>

**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, read timeout) float tuple. Default is self.http\_client.timeout

**cancel\_default\_rich\_menu**(*timeout=None*)

Cancel the default rich menu set with the Messaging API.

<https://developers.line.biz/en/reference/messaging-api/#cancel-default-rich-menu>

**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, read timeout) float tuple. Default is self.http\_client.timeout

**get\_message\_quota**(*timeout=None*)

Call Get the target limit for additional messages.

<https://developers.line.biz/en/reference/messaging-api/#get-quota>

**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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.MessageQuotaResponse*

**Returns**

MessageQuotaResponse instance

**get\_message\_quota\_consumption**(*timeout=None*)

Get number of messages sent this month.

<https://developers.line.biz/en/reference/messaging-api/#get-consumption>

**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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.MessageQuotaConsumptionResponse*

**Returns**

MessageQuotaConsumptionResponse instance

**issue\_link\_token**(*user\_id*, *timeout=None*)

Issues a link token used for the account link feature.

<https://developers.line.biz/en/reference/messaging-api/#issue-link-token>

**Parameters**

- **user\_id** (*str*) – User ID for the LINE account to be linked
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.IssueLinkTokenResponse*

**Returns**

IssueLinkTokenResponse instance

**issue\_channel\_token**(*client\_id*, *client\_secret*, *grant\_type='client\_credentials'*, *timeout=None*)

Issues a short-lived channel access token.

<https://developers.line.biz/en/reference/messaging-api/#issue-channel-access-token>

**Parameters**

- **client\_id** (*str*) – Channel ID.
- **client\_secret** (*str*) – Channel secret.
- **grant\_type** (*str*) – *client\_credentials*
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

*linebot.models.responses.IssueChannelTokenResponse*

**Returns**

IssueChannelTokenResponse instance

**revoke\_channel\_token**(*access\_token*, *timeout=None*)

Revokes a channel access token.

<https://developers.line.biz/en/reference/messaging-api/#revoke-channel-access-token>

**Parameters**

- **access\_token** (*str*) – Channel access token.
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**get\_insight\_message\_delivery**(*date*, *timeout=None*)

Get the number of messages sent on a specified day.

<https://developers.line.biz/en/reference/messaging-api/#get-number-of-delivery-messages>

**Parameters**

- **date** (*str*) – Date for which to retrieve number of sent messages.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.InsightMessageDeliveryResponse*

**get\_insight\_followers**(*date*, *timeout=None*)

Get the number of users who have added the bot on or before a specified date.

<https://developers.line.biz/en/reference/messaging-api/#get-number-of-followers>

**Parameters**

- **date** (*str*) – Date for which to retrieve the number of followers.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.InsightFollowersResponse*

**get\_insight\_demographic**(*timeout=None*)

Retrieve the demographic attributes for a bot's friends.

<https://developers.line.biz/en/reference/messaging-api/#get-demographic>

**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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.InsightDemographicResponse*

**get\_insight\_message\_event**(*request\_id*, *timeout=None*)

Return statistics about how users interact with broadcast messages.

<https://developers.line.biz/en/reference/messaging-api/#get-message-event>

**Parameters**

- **request\_id** (*str*) – Request ID of broadcast message.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.InsightMessageEventResponse*

**get\_bot\_info**(*timeout=None*)

Get a bot's basic information.

<https://developers.line.biz/en/reference/messaging-api/#get-bot-info>

**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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

`linebot.models.responses.BotInfo`

**create\_audience\_group**(*audience\_group\_name*, *audiences=None*, *is\_ifa=False*, *timeout=None*)

Create an audience group.

<https://developers.line.biz/en/reference/messaging-api/#create-upload-audience-group>

**Parameters**

- **audience\_group\_name** (*str*) – The audience’s name
- **audiences** (*list*) – An array of user IDs or IFAs
- **is\_ifa** (*bool*) – true | false

**Returns**

audience group id

**get\_audience\_group**(*audience\_group\_id*, *timeout=None*)

Get the object of audience group.

<https://developers.line.biz/en/reference/messaging-api/#get-audience-group>

**Parameters**

- **audience\_group\_id** (*str*) – The audience 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, read timeout) float tuple. Default is `self.http_client.timeout`

**Returns**

AudienceGroup instance

**get\_audience\_group\_list**(*page=1*, *description=None*, *status=None*, *size=20*,  
*include\_external\_public\_group=None*, *create\_route=None*, *timeout=None*)

Get data for more than one audience.

<https://developers.line.biz/en/reference/messaging-api/#get-audience-groups>

**Parameters**

- **page** (*int*) – The page to return when getting (paginated) results. Must be 1 or higher
- **description** (*str*) – The name of the audience(s) to return
- **status** (*str*) – IN\_PROGRESS | READY | FAILED | EXPIRED
- **size** (*int*) – The number of audiences per page. Default: 20, Max: 40
- **include\_external\_public\_group** (*bool*) – true | false
- **create\_route** (*OA\_MANAGER* | *MESSAGING\_API*) – How the audience was created.

**Returns**

AudienceGroup instance

**delete\_audience\_group**(*audience\_group\_id*, *timeout=None*)

Delete an existing audience.

<https://developers.line.biz/en/reference/messaging-api/#delete-audience-group>



**Parameters**

- **audience\_group\_id** (*str*) – The audience 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, read timeout) float tuple. Default is `self.http_client.timeout`

**rename\_audience\_group**(*audience\_group\_id, description, timeout=None*)

Modify the name of an existing audience.

<https://developers.line.biz/en/reference/messaging-api/#set-description-audience-group>

**Parameters**

- **audience\_group\_id** (*str*) – The audience ID
- **description** (*str*) – The new audience's name
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**add\_audiences\_to\_audience\_group**(*audience\_group\_id, audiences, upload\_description=None, timeout=None*)

Add new user IDs or IFAs to an audience for uploading user IDs.

<https://developers.line.biz/en/reference/messaging-api/#update-upload-audience-group>

**Parameters**

- **audience\_group\_id** (*str*) – The audience ID
- **audiences** (*list*) – An array of user IDs or IFAs
- **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, read timeout) float tuple. Default is `self.http_client.timeout`
- **is\_ifa** (*bool*) – If this is false (default), recipients are specified by user IDs. If true, recipients must be specified by IFAs.
- **upload\_description** (*str*) – The description to register for the job

**get\_audience\_group\_authority\_level**(*timeout=None*)

Get the authority level of the audience.

<https://developers.line.biz/en/reference/messaging-api/#get-authority-level>

**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, read timeout) float tuple. Default is `self.http_client.timeout`

**Returns**

json

**change\_audience\_group\_authority\_level**(*authority\_level='PUBLIC', timeout=None*)

Change the authority level of all audiences created in the same channel.

<https://developers.line.biz/en/reference/messaging-api/#change-authority-level>

**Parameters**

- **authority\_level** (*str*) – PUBLIC | PRIVATE.

**create\_click\_audience\_group**(*description*, *request\_id*, *click\_url=None*, *timeout=None*)

Create an audience for click-based retargeting.

<https://developers.line.biz/en/reference/messaging-api/#create-click-audience-group>

**Parameters**

- **description** (*str*) – The audience’s name. Audience names must be unique.
- **request\_id** (*str*) – The request ID of a message sent in the past 60 days.
- **click\_url** (*str*) – The URL clicked by the user.

If empty, users who clicked any URL in the message are added to the list of recipients. :param timeout: (optional) How long to wait for the server

to send data before giving up, as a float, or a (connect timeout, read timeout) float tuple. Default is self.http\_client.timeout

**Returns**

ClickAudienceGroup instance

**create\_imp\_audience\_group**(*description*, *request\_id*, *timeout=None*)

Create an audience for impression-based retargeting.

<https://developers.line.biz/en/reference/messaging-api/#create-imp-audience-group>

**Parameters**

- **description** (*str*) – The audience’s name. Audience names must be unique.
- **request\_id** (*str*) – The request ID of a message sent in the past 60 days.
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Returns**

ImpAudienceGroup instance

**set\_webhook\_endpoint**(*webhook\_endpoint*, *timeout=None*)

Set the webhook endpoint URL.

<https://developers.line.biz/en/reference/messaging-api/#set-webhook-endpoint-url>

**Parameters**

- **webhook\_endpoint** (*str*) – A valid webhook URL to be set.
- **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, read timeout) float tuple. Default is self.http\_client.timeout

**Return type**

dict

**Returns**

Empty dict.

**get\_webhook\_endpoint**(*timeout=None*)

Get information on a webhook endpoint.

<https://developers.line.biz/en/reference/messaging-api/#get-webhook-endpoint-information>

**Return type**`linebot.models.responses.GetWebhookResponse`**Returns**

Webhook information, including *endpoint* for webhook URL and *active* for webhook usage status.

**test\_webhook\_endpoint**(*webhook\_endpoint=None, timeout=None*)

Checks if the configured webhook endpoint can receive a test webhook event.

<https://developers.line.biz/en/reference/messaging-api/#test-webhook-endpoint>

**Parameters**

- **webhook\_endpoint** – (optional) Set this parameter to specific the webhook endpoint of the webhook. Default is the webhook endpoint that is already set to the channel.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**`linebot.models.responses.TestWebhookResponse`**get\_followers\_ids**(*limit=300, start=None, timeout=None*)

Get a list of users who added your LINE Official Account as a friend.

<https://developers.line.biz/en/reference/messaging-api/#get-follower-ids>

**Parameters**

- **limit** (*int*) – The maximum number of user IDs to retrieve in a single request. The default value is 300.
- **start** (*str*) – Get the next array of user IDs.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**`linebot.models.responses.UserIds`

**issue\_channel\_access\_token\_v2\_1**(*client\_assertion, grant\_type='client\_credentials', client\_assertion\_type='urn:ietf:params:oauth:client-assertion-type:jwt-bearer', timeout=None*)

Issues a channel access token v2.1.

<https://developers.line.biz/en/reference/messaging-api/#issue-channel-access-token-v2-1>

**Parameters**

- **client\_assertion** (*str*) – Client assertion.
- **grant\_type** (*str*) – *client\_credentials*
- **client\_assertion\_type** (*str*) – *urn:ietf:params:oauth:client-assertion-type:jwt-bearer*.
- **timeout** – (optional) How long to wait for the server

to send data before giving up, as a float, or a (connect timeout, read timeout) float tuple. Default is `self.http_client.timeout` :type timeout: float | tuple(float, float) :rtype: [`linebot.models.responses.IssueChannelTokenResponseV2`](#)

**revoke\_channel\_access\_token\_v2\_1**(*client\_id*, *client\_secret*, *access\_token*, *timeout=None*)

Revokes a channel access token v2.1.

<https://developers.line.biz/en/reference/messaging-api/#revoke-channel-access-token-v2-1>

#### Parameters

- **client\_id** (*str*) – Client id.
- **client\_secret** (*str*) – Channel secret.
- **access\_token** (*str*) – Channel access token.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**get\_channel\_access\_tokens\_v2\_1**(*client\_assertion*, *client\_assertion\_type='urn:ietf:params:oauth:client-assertion-type:jwt-bearer'*, *timeout=None*)

Get issued channel access tokens v2.1.

<https://developers.line.biz/en/reference/messaging-api/#get-issued-channel-access-tokens-v2-1>

#### Parameters

- **client\_assertion** (*str*) – Client assertion.
- **client\_assertion\_type** (*str*) – `urn:ietf:params:oauth:client-assertion-type:jwt-bearer`.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

#### Return type

[`linebot.models.responses.ChannelAccessTokens`](#)

**verify\_channel\_access\_token\_v2\_1**(*access\_token*, *timeout=None*)

Validate channel access token v2.1.

<https://developers.line.biz/en/reference/messaging-api/#verify-channel-access-token-v2-1>

#### Parameters

- **access\_token** (*str*) – Channel access token.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

#### Return type

[`linebot.models.responses.VerifyChannelTokenResponseV2`](#)

**get\_channel\_token\_key\_ids\_v2\_1**(*client\_assertion*, *client\_assertion\_type='urn:ietf:params:oauth:client-assertion-type:jwt-bearer'*, *timeout=None*)

Get all valid channel access token key IDs v2.1.

<https://developers.line.biz/en/reference/messaging-api/#get-all-valid-channel-access-token-key-ids-v2-1>

**Parameters**

- **client\_assertion** (*str*) – Client assertion.
- **client\_assertion\_type** (*str*) – *urn:ietf:params:oauth:client-assertion-type:jwt-bearer*.
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

*linebot.models.responses.VerifyChannelTokenResponseV2*

**get\_statistics\_per\_unit**(*custom\_aggregation\_unit*, *from\_date*, *to\_date*, *timeout=None*)

Return statistics about how users interact with push and multicast messages.

<https://developers.line.biz/en/reference/partner-docs/#get-statistics-per-unit>

**Parameters**

- **custom\_aggregation\_unit** (*str*) – Name of aggregation unit specified when sending the message like *push\_message(...)* and *multicast(...)*.
- **from\_date** (*str*) – Start date of aggregation period. The format is *yyyyMMdd* (Timezone is UTC+9).
- **to\_date** (*str*) – End date of aggregation period. The end date can be specified for up to 30 days later. The format is *yyyyMMdd* (Timezone is UTC+9).
- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

**py:class**

*linebot.models.responses.InsightMessageEventOfCustomAggregationUnitResponse*

**get\_number\_of\_units\_used\_this\_month**(*timeout=None*)

Return the number of aggregation units used this month.

<https://developers.line.biz/en/reference/partner-docs/#get-number-of-units-used-this-month>

**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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type**

**py:class**

*linebot.models.responses.AggregationInfoResponse*

**get\_name\_list\_of\_units\_used\_this\_month**(*limit=100*, *start=None*, *timeout=None*)

Return the name list of units used this month for statistics aggregation.

**Parameters**

- **limit** (*int*) – Maximum number of aggregation units you can get per request. If you don't specify a value, or if you specify a value greater than or equal to 100, the maximum is 100.
- **start** (*str*) – Get the next array of name list of units

- **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, read timeout) float tuple. Default is `self.http_client.timeout`

**Return type****py:class***linebot.models.responses.AggregationNameListResponse*

## 1.2 linebot.webhook module

linebot.webhook module.

**class** linebot.webhook.**SignatureValidator**(\*args, \*\*kwargs)

Bases: object

Signature validator.

<https://developers.line.biz/en/reference/messaging-api/#signature-validation>**\_\_init\_\_**(*channel\_secret*)`__init__` method.**Parameters****channel\_secret** (*str*) – Channel secret (as text)**validate**(*body*, *signature*)

Check signature.

**Parameters**

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

**Return type**

bool

**class** linebot.webhook.**WebhookPayload**(\*args, \*\*kwargs)

Bases: object

Webhook Payload.

<https://developers.line.biz/en/reference/messaging-api/#request-body>**\_\_init\_\_**(*events=None*, *destination=None*)`__init__` method.**Parameters**

- **events** (list[T <= *linebot.models.events.Event*]) – Information about the events.
- **destination** (*str*) – User ID of a bot that should receive webhook events.

**class** linebot.webhook.**WebhookParser**(\*args, \*\*kwargs)

Bases: object

Webhook Parser.

**\_\_init\_\_**(*channel\_secret*)

\_\_init\_\_ method.

#### Parameters

**channel\_secret** (*str*) – Channel secret (as text)

**parse**(*body*, *signature*, *as\_payload=False*, *use\_raw\_message=False*)

Parse webhook request body as text.

#### Parameters

- **body** (*str*) – Webhook request body (as text)
- **signature** (*str*) – X-Line-Signature value (as text)
- **as\_payload** (*bool*) – (optional) True to return WebhookPayload object.
- **use\_raw\_message** (*bool*) – Using original Message key as attribute

#### Return type

list[T <= [linebot.models.events.Event](#)] | [linebot.webhook.WebhookPayload](#)

#### Returns

Events list, or WebhookPayload instance

**class** [linebot.webhook.WebhookHandler](#)(\*args, \*\*kwargs)

Bases: object

Webhook Handler.

Please read <https://github.com/line/line-bot-sdk-python#webhookhandler>

**\_\_init\_\_**(*channel\_secret*)

\_\_init\_\_ method.

#### Parameters

**channel\_secret** (*str*) – Channel secret (as text)

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

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**()

Set default handler method.

#### Return type

func

**Returns**

decorator

**handle**(*body*, *signature*, *use\_raw\_message=False*)

Handle webhook.

**Parameters**

- **body** (*str*) – Webhook request body (as text)
- **signature** (*str*) – X-Line-Signature value (as text)
- **use\_raw\_message** (*bool*) – Using original Message key as attribute

## 1.3 linebot.exceptions module

linebot.exceptions module.

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

Bases: Exception

Base Exception class.

**\_\_init\_\_**(*message=''*)**\_\_init\_\_** method.**Parameters****message** (*str*) – Human readable message**exception** linebot.exceptions.**InvalidSignatureError**(\*args, \*\*kwargs)Bases: [BaseError](#)

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

**\_\_init\_\_**(*message=''*)**\_\_init\_\_** method.**Parameters****message** (*str*) – Human readable message**exception** linebot.exceptions.**LineBotApiError**(*status\_code*, *headers*, *request\_id=None*,  
*accepted\_request\_id=None*, *error=None*)Bases: [BaseError](#)

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

**\_\_init\_\_**(*status\_code*, *headers*, *request\_id=None*, *accepted\_request\_id=None*, *error=None*)**\_\_init\_\_** method.**Parameters**

- **status\_code** (*int*) – HTTP status code
- **headers** (*dict[str, str]*) – Response headers
- **request\_id** (*str*) – (optional) Request ID. A unique ID is generated for each request
- **accepted\_request\_id** (*str*) – (optional) The same request has already been accepted
- **error** ([linebot.models.error.Error](#)) – (optional) Error class object.



## 1.4 linebot.http\_client module

linebot.http\_client module.

**class** linebot.http\_client.**HttpClient**(*timeout=5*)

Bases: object

Abstract Base Classes of HttpClient.

**DEFAULT\_TIMEOUT** = 5

**\_\_init\_\_**(*timeout=5*)

**\_\_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, read timeout) float tuple. Default is *DEFAULT\_TIMEOUT*

### Return type

T <= *HttpResponse*

### Returns

HttpResponse instance

**abstract 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, read timeout) float tuple. Default is *self.timeout*

### Return type

T <= *HttpResponse*

### Returns

HttpResponse instance

**abstract 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, read timeout) float tuple. Default is *self.timeout*

**Return type**

T <= [\*HttpResponse\*](#)

**Returns**

HttpResponse instance

**abstract delete**(url, headers=None, data=None, timeout=None)

DELETE 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, read timeout) float tuple. Default is `self.timeout`

**Return type**

T <= [\*HttpResponse\*](#)

**Returns**

HttpResponse instance

**abstract put**(url, headers=None, data=None, timeout=None)

PUT 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, read timeout) float tuple. Default is `self.timeout`

**Return type**

[\*RequestsHttpResponse\*](#)

**Returns**

RequestsHttpResponse instance

**class** linebot.http\_client.**RequestsHttpClient**(timeout=5)

Bases: [\*HttpClient\*](#)

HttpClient implemented by requests.

**\_\_init\_\_**(timeout=5)

`__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, read timeout) 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, read timeout) 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, read timeout) float tuple. Default is `self.timeout`

**Return type**

*RequestsHttpResponse*

**Returns**

RequestsHttpResponse instance

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

DELETE 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, read timeout) float tuple. Default is `self.timeout`

**Return type**

*RequestsHttpResponse*

**Returns**

RequestsHttpResponse instance

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

PUT 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, read timeout) float tuple. Default is `self.timeout`

**Return type***RequestsHttpResponse***Returns**

RequestsHttpResponse instance

**class** linebot.http\_client.HttpResponse

Bases: object

HttpResponse.

**abstract property status\_code**

Get status code.

**abstract property headers**

Get headers.

**abstract property text**

Get response body as text-decoded.

**abstract property content**

Get response body as binary.

**abstract property json**

Get response body as json-decoded.

**abstract iter\_content**(*chunk\_size=1024, decode\_unicode=False*)

Get response body as iterator content (stream).

**Parameters**

- **chunk\_size** (*int*) –
- **decode\_unicode** (*bool*) –

**class** linebot.http\_client.RequestsHttpResponse(*response*)Bases: *HttpResponse*

HttpResponse implemented by requests lib's response.

**\_\_init\_\_**(*response*)`__init__` method.**Parameters****response** – requests lib's response**property status\_code**

Get status code.

**property headers**

Get headers.

:rtype requests.models.CaseInsensitiveDict

**property text**

Get response body as text-decoded.

**property content**

Get response body as binary.

**property json**

Get response body as json-decoded.

**iter\_content**(*chunk\_size=1024, decode\_unicode=False*)

Get response body as iterator content (stream).

**Parameters**

- **chunk\_size** (*int*) –
- **decode\_unicode** (*bool*) –

## 1.5 Subpackages

### 1.5.1 linebot.models package

#### 1.5.1.1 linebot.models.actions module

linebot.models.actions module.

**class** linebot.models.actions.**Action**(*\*\*kwargs*)

Bases: [Base](#)

Abstract base class of Action.

**\_\_init\_\_**(*\*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

**kwargs** –

**class** linebot.models.actions.**PostbackAction**(*label=None, data=None, display\_text=None, text=None, input\_option=None, fill\_in\_text=None, \*\*kwargs*)

Bases: [Action](#)

PostbackAction.

<https://developers.line.me/en/docs/messaging-api/reference/#postback-action>

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

**\_\_init\_\_**(*label=None, data=None, display\_text=None, text=None, input\_option=None, fill\_in\_text=None, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

- **label** (*str*) – Label for the action.
- **data** (*str*) – String returned via webhook in the postback.data property of the postback event.

- **display\_text** (*str*) – Text displayed in the chat as a message sent by the user when the action is performed.
- **text** (*str*) – Deprecated. Text displayed in the chat as a message sent by the user when the action is performed. Returned from the server through a webhook.
- **kwargs** –

**class** linebot.models.actions.**MessageAction**(*label=None, text=None, \*\*kwargs*)

Bases: [Action](#)

MessageAction.

<https://developers.line.me/en/docs/messaging-api/reference/#message-action>

When a control associated with this action is tapped, the string in the text property is sent as a message from the user.

**\_\_init\_\_**(*label=None, text=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **label** (*str*) – Label for the action.
- **text** (*str*) – Text sent when the action is performed.
- **kwargs** –

**class** linebot.models.actions.**URIAction**(*label=None, uri=None, alt\_uri=None, \*\*kwargs*)

Bases: [Action](#)

URIAction.

<https://developers.line.me/en/docs/messaging-api/reference/#uri-action>

When a control associated with this action is tapped, the URI specified in the uri property is opened.

**\_\_init\_\_**(*label=None, uri=None, alt\_uri=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **label** (*str*) – Label for the action Max: 20 characters
- **uri** (*str*) – URI opened when the action is performed.
- **alt\_uri** (T <= [linebot.models.actions.AltUri](#)) – URI opened when the desktop app.
- **kwargs** –

**class** linebot.models.actions.**AltUri**(*desktop=None, \*\*kwargs*)

Bases: [Base](#)

AltUri.

<https://github.com/line/line-bot-sdk-python/issues/155>

URI opened when the desktop app.

**\_\_init\_\_**(*desktop=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **desktop** (*str*) – URI opened on LINE for macOS and Windows when the action is performed. If the altUri.desktop property is set, the uri property is ignored on LINE for macOS and Windows.
- **kwargs** –

```
class linebot.models.actions.DatetimePickerAction(label=None, data=None, mode=None,
                                                initial=None, max=None, min=None, **kwargs)
```

Bases: [Action](#)

DatetimePickerAction.

<https://developers.line.me/en/docs/messaging-api/reference/#datetime-picker-action>

When a control associated with this action is tapped, a postback event is returned via webhook with the date and time selected by the user from the date and time selection dialog. The datetime picker action does not support time zones.

```
__init__(label=None, data=None, mode=None, initial=None, max=None, min=None, **kwargs)
    __init__ method.
```

#### Parameters

- **label** (*str*) – Label for the action
- **data** (*str*) – String returned via webhook in the postback.data property of the postback event
- **mode** (*str*) – Action mode date: Pick date time: Pick time datetime: Pick date and time
- **initial** (*str*) – Initial value of date or time
- **max** (*str*) – Largest date or time value that can be selected. Must be greater than the min value.
- **min** (*str*) – Smallest date or time value that can be selected. Must be less than the max value.
- **kwargs** –

```
class linebot.models.actions.CameraAction(label=None, **kwargs)
```

Bases: [Action](#)

CameraAction.

<https://developers.line.me/en/reference/messaging-api/#camera-action>

This action can be configured only with quick reply buttons. When a button associated with this action is tapped, the camera screen in the LINE app is opened.

```
__init__(label=None, **kwargs)
    __init__ method.
```

#### Parameters

- **label** (*str*) – Label for the action
- **kwargs** –

```
class linebot.models.actions.CameraRollAction(label=None, **kwargs)
```

Bases: [Action](#)

CameraRollAction.

<https://developers.line.me/en/reference/messaging-api/#camera-roll-action>

This action can be configured only with quick reply buttons. When a button associated with this action is tapped, the camera roll screen in the LINE app is opened.

```
__init__(label=None, **kwargs)
```

`__init__` method.

#### Parameters

- **label** (*str*) – Label for the action
- **kwargs** –

```
class linebot.models.actions.LocationAction(label=None, **kwargs)
```

Bases: [\*Action\*](#)

LocationRollAction.

<https://developers.line.me/en/reference/messaging-api/#location-action>

This action can be configured only with quick reply buttons. When a button associated with this action is tapped, the location screen in the LINE app is opened.

```
__init__(label=None, **kwargs)
```

`__init__` method.

#### Parameters

- **label** (*str*) – Label for the action
- **kwargs** –

```
class linebot.models.actions.RichMenuSwitchAction(label=None, rich_menu_alias_id=None,  
data=None, **kwargs)
```

Bases: [\*Action\*](#)

RichMenuSwitchAction.

<https://developers.line.biz/en/reference/messaging-api/#richmenu-switch-action>

This action can be configured only with rich menus. It can't be used for Flex Messages or quick replies. When you tap a rich menu associated with this action, you can switch between rich menus, and a postback event including the rich menu alias ID selected

by the user is returned via a webhook.

```
__init__(label=None, rich_menu_alias_id=None, data=None, **kwargs)
```

`__init__` method.

#### Parameters

- **label** (*str*) – Label for the action
- **rich\_menu\_alias\_id** (*str*) – Rich menu alias ID to switch to.
- **data** (*str*) – String returned by the `postback.data` property of the postback event via a webhook
- **kwargs** –



### 1.5.1.2 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\_\_**(*\*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

**kwargs** –

**as\_json\_string**()

Return JSON string from this object.

**Return type**

str

**as\_json\_dict**()

Return dictionary from this object.

**Returns**

dict

**classmethod** **new\_from\_json\_dict**(*data, use\_raw\_message=False*)

Create a new instance from a dict.

**Parameters**

- **data** – JSON dict
- **use\_raw\_message** (*bool*) – Using original Message key as attribute

**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

**static** **get\_or\_new\_from\_json\_dict\_with\_types**(*data, cls\_map, type\_key='type', use\_raw\_message=False*)

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` –
- `use_raw_message` (*bool*) – Using original Message key as attribute

**Return type**  
object

### 1.5.1.3 linebot.models.error module

linebot.models.error module.

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

Bases: [Base](#)

Error response of LINE messaging API.

<https://developers.line.biz/en/reference/messaging-api/#error-response>

**\_\_init\_\_**(*message=None, details=None, \*\*kwargs*)  
\_\_init\_\_ method.

#### Parameters

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

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

Bases: [Base](#)

ErrorDetail response of LINE messaging API.

**\_\_init\_\_**(*message=None, property=None, \*\*kwargs*)  
\_\_init\_\_ method.

#### Parameters

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

### 1.5.1.4 linebot.models.events module

linebot.models.events module.

**class** linebot.models.events.**Event**(*\*args, \*\*kwargs*)

Bases: [Base](#)

Abstract Base Class of Webhook Event.

<https://developers.line.biz/en/reference/messaging-api/#webhook-event-objects>

**\_\_init\_\_**(*mode=None, timestamp=None, source=None, webhook\_event\_id=None, delivery\_context=None, \*\*kwargs*)  
\_\_init\_\_ method.

#### Parameters

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

**class** linebot.models.events.**MessageEvent**(\*args, \*\*kwargs)

Bases: *Event*

Webhook MessageEvent.

<https://developers.line.biz/en/reference/messaging-api/#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\_\_** (*mode=None, timestamp=None, source=None, reply\_token=None, message=None, use\_raw\_message=False, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **mode** (*str*) – Channel state
- **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
- **use\_raw\_message** (*bool*) – Using original Message key as attribute
- **kwargs** –

**class** linebot.models.events.**FollowEvent**(\*args, \*\*kwargs)

Bases: *Event*

Webhook FollowEvent.

<https://developers.line.biz/en/reference/messaging-api/#follow-event>

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

**\_\_init\_\_** (*mode=None, timestamp=None, source=None, reply\_token=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **mode** (*str*) – Channel state
- **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.**UnfollowEvent**(\*args, \*\*kwargs)

Bases: *Event*

Webhook UnfollowEvent.

<https://developers.line.biz/en/reference/messaging-api/#unfollow-event>

Event object for when your account is blocked.

```
__init__(mode=None, timestamp=None, source=None, **kwargs)
    __init__ method.
```

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= [linebot.models.sources.Source](#)) – Source object
- **kwargs** –

```
class linebot.models.events.JoinEvent(*args, **kwargs)
```

Bases: [Event](#)

Webhook JoinEvent.

<https://developers.line.biz/en/reference/messaging-api/#join-event>

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

```
__init__(mode=None, timestamp=None, source=None, reply_token=None, **kwargs)
    __init__ method.
```

#### Parameters

- **mode** (*str*) – Channel state
- **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(*args, **kwargs)
```

Bases: [Event](#)

Webhook LeaveEvent.

<https://developers.line.biz/en/reference/messaging-api/#leave-event>

Event object for when your account leaves a group.

```
__init__(mode=None, timestamp=None, source=None, **kwargs)
    __init__ method.
```

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= [linebot.models.sources.Source](#)) – Source object
- **kwargs** –

```
class linebot.models.events.PostbackEvent(*args, **kwargs)
```

Bases: [Event](#)

Webhook PostbackEvent.

<https://developers.line.biz/en/reference/messaging-api/#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__(mode=None, timestamp=None, source=None, reply_token=None, postback=None, **kwargs)
```

`__init__` method.

#### Parameters

- **mode** (*str*) – Channel state
- **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.BeaconEvent(*args, **kwargs)
```

Bases: [Event](#)

Webhook BeaconEvent.

<https://developers.line.biz/en/reference/messaging-api/#beacon-event>

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

```
__init__(mode=None, timestamp=None, source=None, reply_token=None, beacon=None, **kwargs)
```

`__init__` method.

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= [linebot.models.sources.Source](#)) – Source object
- **reply\_token** (*str*) – Reply token
- **beacon** ([linebot.models.events.Beacon](#)) – Beacon object
- **kwargs** –

```
class linebot.models.events.MemberJoinedEvent(*args, **kwargs)
```

Bases: [Event](#)

Webhook MemberJoinedEvent.

<https://developers.line.biz/en/reference/messaging-api/#member-joined-event>

Event object for when a user joins a group or room that the bot is in.

```
__init__(mode=None, timestamp=None, source=None, reply_token=None, joined=None, **kwargs)
```

`__init__` method.

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= [linebot.models.sources.Source](#)) – Source object
- **reply\_token** (*str*) – Reply token

- **joined** (*linebot.models.events.Joined*) – Joined object
- **kwargs** –

**class** linebot.models.events.**MemberLeftEvent**(\*args, \*\*kwargs)

Bases: *Event*

Webhook MemberLeftEvent.

<https://developers.line.biz/en/reference/messaging-api/#member-left-event>

Event object for when a user leaves a group or room that the bot is in.

**\_\_init\_\_**(mode=None, timestamp=None, source=None, left=None, \*\*kwargs)

**\_\_init\_\_** method.

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= *linebot.models.sources.Source*) – Source object
- **left** (*linebot.models.events.Left*) – Left object
- **kwargs** –

**class** linebot.models.events.**AccountLinkEvent**(\*args, \*\*kwargs)

Bases: *Event*

Webhook AccountLinkEvent.

<https://developers.line.me/en/docs/messaging-api/reference/#account-link-event>

Event object for when a user has linked his/her LINE account with a provider's service account. You can reply to account link events. If the link token has expired or has already been used, no webhook event will be sent and the user will be shown an error.

**\_\_init\_\_**(mode=None, timestamp=None, source=None, reply\_token=None, link=None, \*\*kwargs)

**\_\_init\_\_** method.

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (T <= *linebot.models.sources.Source*) – Source object
- **reply\_token** (*str*) – Reply token
- **link** (*linebot.models.events.Link*) – Link object
- **kwargs** –

**class** linebot.models.events.**ThingsEvent**(\*args, \*\*kwargs)

Bases: *Event*

Webhook ThingsEvent.

<https://developers.line.biz/en/reference/messaging-api/#device-link-event>

<https://developers.line.biz/en/reference/messaging-api/#device-unlink-event>

<https://developers.line.biz/en/reference/messaging-api/#scenario-result-event>

<https://developers.line.biz/en/reference/messaging-api/#scenario-result-event>

<https://developers.line.biz/en/reference/messaging-api/#scenario-result-event>

Event sent from LINE Things Webhook service.

**\_\_init\_\_**(*mode=None, timestamp=None, source=None, reply\_token=None, things=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (*T* <= *linebot.models.sources.Source*) – Source object
- **reply\_token** (*str*) – Reply token
- **things** (*T* <= *linebot.models.things.Things*) – Things object
- **kwargs** –

**class** linebot.models.events.UnsendEvent(\*args, \*\*kwargs)

Bases: *Event*

Webhook UnsendEvent.

<https://developers.line.biz/en/reference/messaging-api/#unsend-event>

Event object for when the user unsends a message in a group or room.

**\_\_init\_\_**(*mode=None, timestamp=None, source=None, unsend=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (*T* <= *linebot.models.sources.Source*) – Source object
- **unsend** (*T* <= *linebot.models.unsend.Unsend*) – Unsend object
- **kwargs** –

**class** linebot.models.events.VideoPlayCompleteEvent(\*args, \*\*kwargs)

Bases: *Event*

Webhook VideoCompleteEvent.

<https://developers.line.biz/en/reference/messaging-api/#video-viewing-complete>

Event object Event for when a user finishes viewing a video at least once.

**\_\_init\_\_**(*mode=None, timestamp=None, source=None, reply\_token=None, video\_play\_complete=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **mode** (*str*) – Channel state
- **timestamp** (*long*) – Time of the event in milliseconds
- **source** (*T* <= *linebot.models.sources.Source*) – Source object
- **reply\_token** (*str*) – Reply token
- **video\_play\_complete** (*T* <= *linebot.models.video\_play\_complete.VideoPlayComplete*) – VideoPlayComplete object
- **kwargs** –

**class** linebot.models.events.**UnknownEvent**(\*args, \*\*kwargs)

Bases: [Event](#)

Unknown event.

We welcome your contribution to line-bot-sdk-python!

**\_\_init\_\_**(\*kwargs)

**\_\_init\_\_** method.

**Parameters**

**kwargs** –

**class** linebot.models.events.**Postback**(\*args, \*\*kwargs)

Bases: [Base](#)

Postback.

<https://developers.line.biz/en/reference/messaging-api/#postback-event>

**\_\_init\_\_**(data=None, params=None, \*\*kwargs)

**\_\_init\_\_** method.

**Parameters**

- **data** (*str*) – Postback data
- **params** (*dict*) – JSON object with the date and time selected by a user through a datetime picker action. Only returned for postback actions via the datetime picker.
- **kwargs** –

**class** linebot.models.events.**Beacon**(\*args, \*\*kwargs)

Bases: [Base](#)

Beacon.

<https://developers.line.biz/en/reference/messaging-api/#beacon-event>

**\_\_init\_\_**(type=None, hwid=None, dm=None, \*\*kwargs)

**\_\_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** –

**property** **device\_message**

Get dm(device\_message) as bytearray.

**Return type**

bytearray

**class** linebot.models.events.**Joined**(\*args, \*\*kwargs)

Bases: [Base](#)

Joined.

<https://developers.line.biz/en/reference/messaging-api/#member-joined-event>



**\_\_init\_\_**(*members=None, \*\*kwargs*)

\_\_init\_\_ method.

**Parameters**

- **members** (*dict*) – Member of users who joined
- **kwargs** –

**property members**

Get members as list of SourceUser.

**class** linebot.models.events.**Left**(\*args, \*\*kwargs)

Bases: [Base](#)

Left.

<https://developers.line.biz/en/reference/messaging-api/#member-left-event>

**\_\_init\_\_**(*members=None, \*\*kwargs*)

\_\_init\_\_ method.

**Parameters**

- **members** (*dict*) – Member of users who joined
- **kwargs** –

**property members**

Get members as list of SourceUser.

**class** linebot.models.events.**Link**(\*args, \*\*kwargs)

Bases: [Base](#)

Link.

<https://developers.line.me/en/docs/messaging-api/reference/#link-object>

**\_\_init\_\_**(*result=None, nonce=None, \*\*kwargs*)

\_\_init\_\_ method.

**Parameters**

- **result** (*str*) – Indicate whether the link was successful or not.
- **nonce** (*str*) – Specified nonce when verifying the user ID.

#### 1.5.1.5 linebot.models.filter module

linebot.models.filter module.

**class** linebot.models.filter.**Filter**(*demographic=None, \*\*kwargs*)

Bases: [Base](#)

Filter.

<https://developers.line.biz/en/reference/messaging-api/#narrowcast-demographic-filter>

A filter is the top-level structure of a demographic element.

```
__init__(demographic=None, **kwargs)
__init__ method.
```

**Parameters**

- **demographic** (linebot.model.filter.DemographicFilter | linebot.model.operator.Operator) – Combination of different criteria using logical operator objects.
- **kwargs** –

```
class linebot.models.filter.DemographicFilter(**kwargs)
```

Bases: [Filter](#)

DemographicFilter.

<https://developers.line.biz/en/reference/messaging-api/#narrowcast-demographic-filter>

Demographic filter objects represent criteria (e.g. age, gender, OS, region, and friendship duration) on which to filter the list of recipients. You can filter recipients based on a combination of different criteria using logical operator objects.

```
__init__(**kwargs)
__init__ method.
```

**Parameters**

**kwargs** –

```
class linebot.models.filter.GenderFilter(one_of=None, **kwargs)
```

Bases: [DemographicFilter](#)

GenderFilter.

```
__init__(one_of=None, **kwargs)
__init__ method.
```

**Parameters**

**one\_of** (*list[str]*) – Send messages to users of a given gender. One of: male: Users who identify as male female: Users who identify as female

```
class linebot.models.filter.AppTypeFilter(one_of=None, **kwargs)
```

Bases: [DemographicFilter](#)

AppTypeFilter.

```
__init__(one_of=None, **kwargs)
__init__ method.
```

**Parameters**

**one\_of** (*list[str]*) – Send messages to users of the specified OS. One of: ios: Users who using iOS. android: Users who using Android.

```
class linebot.models.filter.AreaFilter(one_of=None, **kwargs)
```

Bases: [DemographicFilter](#)

AreaFilter.

```
__init__(one_of=None, **kwargs)
__init__ method.
```

**Parameters**

**one\_of** (*list[str]*) – Send messages to users in the specified region.

**class** linebot.models.filter.**AgeFilter**(gte=None, lt=None, \*\*kwargs)

Bases: [DemographicFilter](#)

AgeFilter.

This lets you filter recipients with a given age range.

**\_\_init\_\_**(gte=None, lt=None, \*\*kwargs)

**\_\_init\_\_** method.

Be sure to specify either gte, lt, or both.

#### Parameters

- **gte** (str) – Send messages to users at least as old as the specified age.
- **lt** (str) – Send messages to users younger than the specified age. You can specify the same values as for the gte property.

**class** linebot.models.filter.**SubscriptionPeriodFilter**(gte=None, lt=None, \*\*kwargs)

Bases: [DemographicFilter](#)

SubscriptionPeriodFilter.

This lets you filter recipients with a given range of friendship durations.

**\_\_init\_\_**(gte=None, lt=None, \*\*kwargs)

**\_\_init\_\_** method.

Be sure to specify either gte, lt, or both.

#### Parameters

- **gte** (str) – Send messages to users who have been friends of yours for at least the specified number of days
- **lt** (str) – Send messages to users who have been friends of yours for less than the specified number of days. You can specify the same values as for the gte property.

### 1.5.1.6 linebot.models.flex\_message module

linebot.models.flex\_message module.

**class** linebot.models.flex\_message.**FlexSendMessage**(alt\_text=None, contents=None, \*\*kwargs)

Bases: [SendMessage](#)

FlexSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#flex-message>

Flex Messages are messages with a customizable layout. You can customize the layout freely by combining multiple elements.

**\_\_init\_\_**(alt\_text=None, contents=None, \*\*kwargs)

**\_\_init\_\_** method.

#### Parameters

- **alt\_text** (str) – Alternative text
- **contents** ([linebot.models.flex\\_message.FlexContainer](#)) – Flex Message container object
- **kwargs** –

```
class linebot.models.flex_message.FlexContainer(**kwargs)
```

Bases: [Base](#)

FlexContainer.

<https://developers.line.biz/en/reference/messaging-api/#container>

A container is the top-level structure of a Flex Message.

```
__init__(**kwargs)
```

\_\_init\_\_ method.

**Parameters**

**kwargs** –

```
class linebot.models.flex_message.BubbleContainer(size=None, direction=None, header=None,
                                                  hero=None, body=None, footer=None,
                                                  styles=None, action=None, **kwargs)
```

Bases: [FlexContainer](#)

BubbleContainer.

<https://developers.line.biz/en/reference/messaging-api/#bubble>

This is a container that contains one message bubble. It can contain four blocks: header, hero, body, and footer.

```
__init__(size=None, direction=None, header=None, hero=None, body=None, footer=None, styles=None,
         action=None, **kwargs)
```

\_\_init\_\_ method.

**Parameters**

- **size** (*str*) – The size of the bubble. *nano*, *micro*, *kilo*, *mega*, or *giga*.
- **direction** (*str*) – Text directionality and the order of components in horizontal boxes in the container
- **header** (*linebot.models.flex\_message.BoxComponent*) – Header block
- **hero** (*linebot.models.flex\_message.ImageComponent* | *linebot.models.flex\_message.BoxComponent* | *linebot.models.flex\_message.VideoComponent*) – Hero block
- **body** (*linebot.models.flex\_message.BoxComponent*) – Body block
- **footer** (*linebot.models.flex\_message.BoxComponent*) – Footer block
- **styles** (*linebot.models.flex\_message.BubbleStyle*) – Style of each block
- **action** (list[T <= *linebot.models.actions.Action*]) – Action performed when this button is tapped
- **kwargs** –

```
class linebot.models.flex_message.BubbleStyle(header=None, hero=None, body=None, footer=None,
                                              **kwargs)
```

Bases: [Base](#)

BubbleStyle.

<https://developers.line.biz/en/reference/messaging-api/#bubble-style>

**\_\_init\_\_**(*header=None, hero=None, body=None, footer=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **header** (*linebot.models.flex\_message.BlockStyle*) – Style of the header block
- **hero** (*linebot.models.flex\_message.BlockStyle*) – Style of the hero block
- **body** (*linebot.models.flex\_message.BlockStyle*) – Style of the body block
- **footer** (*linebot.models.flex\_message.BlockStyle*) – Style of the footer block
- **kwargs** –

**class** linebot.models.flex\_message.**BlockStyle**(*background\_color=None, separator=None, separator\_color=None, \*\*kwargs*)

Bases: *Base*

BlockStyle.

<https://developers.line.biz/en/reference/messaging-api/#block-style>

**\_\_init\_\_**(*background\_color=None, separator=None, separator\_color=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **background\_color** (*str*) – Background color of the block. Use a hexadecimal color code
- **separator** (*bool*) – True to place a separator above the block True will be ignored for the first block in a container because you cannot place a separator above the first block. The default value is False
- **separator\_color** (*str*) – Color of the separator. Use a hexadecimal color code
- **kwargs** –

**class** linebot.models.flex\_message.**CarouselContainer**(*contents=None, \*\*kwargs*)

Bases: *FlexContainer*

CarouselContainer.

<https://developers.line.biz/en/reference/messaging-api/#f-carousel>

This is a container that contains multiple bubble containers, or message bubbles. The bubbles will be shown in order by scrolling horizontally.

**\_\_init\_\_**(*contents=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **contents** (list[T <= *linebot.models.flex\_message.BubbleContainer*]) – Array of bubble containers
- **kwargs** –

**class** linebot.models.flex\_message.**FlexComponent**(*\*\*kwargs*)

Bases: *Base*

FlexComponent.

<https://developers.line.biz/en/reference/messaging-api/#component>

Components are objects that compose a Flex Message container.

```
__init__(**kwargs)
    __init__ method.
```

**Parameters**  
**kwargs** –

```
class linebot.models.flex_message.BoxComponent(layout=None, contents=None,
                                              background_color=None, border_color=None,
                                              border_width=None, corner_radius=None,
                                              justify_content=None, align_items=None,
                                              background=None, width=None, max_width=None,
                                              height=None, max_height=None, flex=None,
                                              spacing=None, margin=None, padding_all=None,
                                              padding_top=None, padding_bottom=None,
                                              padding_start=None, padding_end=None,
                                              position=None, offset_top=None, offset_bottom=None,
                                              offset_start=None, offset_end=None, action=None,
                                              **kwargs)
```

Bases: [FlexComponent](#)

BoxComponent.

<https://developers.line.biz/en/reference/messaging-api/#box>

This is a component that defines the layout of child components. You can also include a box in a box.

```
__init__(layout=None, contents=None, background_color=None, border_color=None,
        border_width=None, corner_radius=None, justify_content=None, align_items=None,
        background=None, width=None, max_width=None, height=None, max_height=None, flex=None,
        spacing=None, margin=None, padding_all=None, padding_top=None, padding_bottom=None,
        padding_start=None, padding_end=None, position=None, offset_top=None, offset_bottom=None,
        offset_start=None, offset_end=None, action=None, **kwargs)
    __init__ method.
```

**Parameters**

- **layout** (*str*) – The placement style of components in this box
- **contents** (list[T <= [linebot.models.flex\\_message.FlexComponent](#)]) – Components in this box
- **background\_color** (*str*) – Background color of the block
- **border\_color** (*str*) – Color of box border
- **border\_width** (*str*) – Width of box border
- **corner\_radius** (*str*) – Radius at the time of rounding the corners of the border
- **justify\_content** (*str*) – How child elements are aligned along the main axis of the parent element
- **align\_items** (*str*) – How child elements are aligned along the cross axis of the parent element
- **background** (T <= [linebot.models.background.Background](#)) – Background object
- **width** (*str*) – Width of the box
- **max\_width** (*str*) – Maximum width of the box

- **height** (*str*) – Height of the box
- **max\_height** (*str*) – Maximum height of the box
- **flex** (*float*) – The ratio of the width or height of this box within the parent box and the previous component in the parent box
- **spacing** (*str*) – Minimum space between components in this box
- **margin** (*str*) – Minimum space between this box
- **padding\_all** (*str*) – Free space between the borders of this box and the child element
- **padding\_top** (*str*) – Free space between the border at the upper end of this box and the upper end of the child element
- **padding\_bottom** (*str*) – Free space between the border at the lower end of this box and the lower end of the child element
- **padding\_start** (*str*) – Free space between the border at the left end of this box and the left end of the child element
- **padding\_end** (*str*) – Free space between the border at the right end of this box and the right end of the child element
- **position** (*str*) – Reference position for placing this box
- **offset\_top** (*str*) – The top offset
- **offset\_bottom** (*str*) – The bottom offset
- **offset\_start** (*str*) – The left offset
- **offset\_end** (*str*) – The right offset
- **action** (list[T <= [linebot.models.actions.Action](#)]) – Action performed when this button is tapped
- **kwargs** –

```
class linebot.models.flex_message.ButtonComponent(action=None, flex=None, margin=None,
                                                  position=None, offset_top=None,
                                                  offset_bottom=None, offset_start=None,
                                                  offset_end=None, height=None, style=None,
                                                  color=None, gravity=None, adjust_mode=None,
                                                  **kwargs)
```

Bases: [FlexComponent](#)

ButtonComponent.

<https://developers.line.biz/en/reference/messaging-api/#button>

This component draws a button. When the user taps a button, a specified action is performed.

```
__init__(action=None, flex=None, margin=None, position=None, offset_top=None, offset_bottom=None,
         offset_start=None, offset_end=None, height=None, style=None, color=None, gravity=None,
         adjust_mode=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **action** (list[T <= [linebot.models.actions.Action](#)]) – Action performed when this button is tapped
- **flex** (*float*) – The ratio of the width or height of this component within the parent box

- **margin** (*str*) – Minimum space between this component and the previous component in the parent box
- **position** (*str*) – Reference position for placing this box
- **offset\_top** (*str*) – The top offset
- **offset\_bottom** (*str*) – The bottom offset
- **offset\_start** (*str*) – The left offset
- **offset\_end** (*str*) – The right offset
- **height** (*str*) – Height of the button
- **style** (*str*) – Style of the button
- **color** (*str*) – Character color when the style property is link. Background color when the style property is primary or secondary. Use a hexadecimal color code
- **gravity** (*str*) – Vertical alignment style
- **adjust\_mode** (*str*) – The method by which to adjust the text font size
- **kwargs** –

```
class linebot.models.flex_message.FillerComponent(flex=None, **kwargs)
```

Bases: [\*FlexComponent\*](#)

FillerComponent.

<https://developers.line.biz/en/reference/messaging-api/#filler>

This is an invisible component to fill extra space between components.

```
__init__(flex=None, **kwargs)
```

\_\_init\_\_ method.

**Parameters**

**kwargs** –

```
class linebot.models.flex_message.IconComponent(url=None, margin=None, position=None,
                                                offset_top=None, offset_bottom=None,
                                                offset_start=None, offset_end=None, size=None,
                                                aspect_ratio=None, **kwargs)
```

Bases: [\*FlexComponent\*](#)

IconComponent.

<https://developers.line.biz/en/reference/messaging-api/#icon>

This component draws an icon.

```
__init__(url=None, margin=None, position=None, offset_top=None, offset_bottom=None,
        offset_start=None, offset_end=None, size=None, aspect_ratio=None, **kwargs)
```

\_\_init\_\_ method.

**Parameters**

- **url** (*str*) – Image URL Protocol: HTTPS Image format: JPEG or PNG
- **margin** (*str*) – Minimum space between this component and the previous component in the parent box
- **position** (*str*) – Reference position for placing this box



- **offset\_top** (*str*) – The top offset
- **offset\_bottom** (*str*) – The bottom offset
- **offset\_start** (*str*) – The left offset
- **offset\_end** (*str*) – The right offset
- **size** (*str*) – Maximum size of the icon width
- **aspect\_ratio** (*str*) – Aspect ratio of the icon
- **kwargs** –

```
class linebot.models.flex_message.ImageComponent(url=None, flex=None, margin=None,
                                                  position=None, offset_top=None,
                                                  offset_bottom=None, offset_start=None,
                                                  offset_end=None, align=None, gravity=None,
                                                  size=None, aspect_ratio=None, aspect_mode=None,
                                                  background_color=None, action=None,
                                                  animated=False, **kwargs)
```

Bases: [FlexComponent](#)

ImageComponent.

<https://developers.line.biz/en/reference/messaging-api/#f-image>

This component draws an image.

```
__init__(url=None, flex=None, margin=None, position=None, offset_top=None, offset_bottom=None,
          offset_start=None, offset_end=None, align=None, gravity=None, size=None, aspect_ratio=None,
          aspect_mode=None, background_color=None, action=None, animated=False, **kwargs)
```

`__init__` method.

#### Parameters

- **url** (*str*) – Image URL Protocol: HTTPS Image format: JPEG or PNG
- **flex** (*float*) – The ratio of the width or height of this component within the parent box
- **margin** (*str*) – Minimum space between this component and the previous component in the parent box
- **position** (*str*) – Reference position for placing this box
- **offset\_top** (*str*) – The top offset
- **offset\_bottom** (*str*) – The bottom offset
- **offset\_start** (*str*) – The left offset
- **offset\_end** (*str*) – The right offset
- **align** (*str*) – Horizontal alignment style
- **gravity** (*str*) – Vertical alignment style
- **size** (*str*) – Maximum size of the image width
- **aspect\_ratio** (*str*) – Aspect ratio of the image
- **aspect\_mode** (*str*) – Style of the image
- **background\_color** (*str*) – Background color of the image. Use a hexadecimal color code.

- **action** (list[T <= *linebot.models.actions.Action*]) – Action performed when this image is tapped
- **animated** (*bool*) – True to play an animated image. Default is False.
- **kwargs** –

**class** linebot.models.flex\_message.**SeparatorComponent**(*margin=None, color=None, \*\*kwargs*)

Bases: *FlexComponent*

SeparatorComponent.

<https://developers.line.biz/en/reference/messaging-api/#separator>

This component draws a separator between components in the parent box.

**\_\_init\_\_**(*margin=None, color=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **margin** (*str*) – Minimum space between this component and the previous component in the parent box
- **color** (*str*) – Color of the separator. Use a hexadecimal color code
- **kwargs** –

**class** linebot.models.flex\_message.**SpanComponent**(*text=None, color=None, size=None, weight=None, style=None, decoration=None, \*\*kwargs*)

Bases: *FlexComponent*

SpanComponent.

<https://developers.line.biz/en/reference/messaging-api/#span>

This component renders multiple text strings with different designs in one row.

**\_\_init\_\_**(*text=None, color=None, size=None, weight=None, style=None, decoration=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **text** (*str*) – Text
- **color** (*str*) – Font color
- **size** (*str*) – Font size
- **weight** (*str*) – Font weight
- **style** (*str*) – Style of the text
- **decoration** (*str*) – Decoration of the text
- **kwargs** –

**class** linebot.models.flex\_message.**TextComponent**(*text=None, contents=None, flex=None, margin=None, position=None, offset\_top=None, offset\_bottom=None, offset\_start=None, offset\_end=None, size=None, align=None, gravity=None, wrap=None, line\_spacing=None, max\_lines=None, weight=None, color=None, action=None, style=None, decoration=None, \*\*kwargs*)

Bases: *FlexComponent*

TextComponent.

<https://developers.line.biz/en/reference/messaging-api/#f-text>

This component draws text. You can format the text.

```
__init__(text=None, contents=None, flex=None, margin=None, position=None, offset_top=None,
         offset_bottom=None, offset_start=None, offset_end=None, size=None, align=None, gravity=None,
         wrap=None, line_spacing=None, max_lines=None, weight=None, color=None, action=None,
         style=None, decoration=None, **kwargs)
```

`__init__` method.

#### Parameters

- **text** (*str*) – Text
- **contents** (list[T <= *linebot.models.flex\_message.SpanComponent*]) – Array of spans
- **flex** (*float*) – The ratio of the width or height of this component within the parent box
- **margin** (*str*) – Minimum space between this component and the previous component in the parent box
- **position** (*str*) – Reference position for placing this box
- **offset\_top** (*str*) – The top offset
- **offset\_bottom** (*str*) – The bottom offset
- **offset\_start** (*str*) – The left offset
- **offset\_end** (*str*) – The right offset
- **size** (*str*) – Font size
- **align** (*str*) – Horizontal alignment style
- **gravity** (*str*) – Vertical alignment style
- **wrap** (*bool*) – rue to wrap text. The default value is False. If set to True, you can use a new line character (n) to begin on a new line.
- **line\_spacing** (*str*) – Line spacing in a wrapping text
- **max\_lines** (*int*) – Max number of lines
- **weight** (*str*) – Font weight
- **color** (*str*) – Font color
- **action** (list[T <= *linebot.models.actions.Action*]) – Action performed when this image is tapped
- **style** (*str*) – Style of the text
- **decoration** (*str*) – Decoration of the text
- **kwargs** –

```
class linebot.models.flex_message.VideoComponent(url=None, preview_url=None, alt_content=None,
         aspect_ratio=None, action=None, **kwargs)
```

Bases: [FlexComponent](#)

VideoComponent.

<https://developers.line.biz/en/reference/messaging-api/#f-video>

This component renders a video.

```
__init__(url=None, preview_url=None, alt_content=None, aspect_ratio=None, action=None, **kwargs)
    __init__ method.
```

#### Parameters

- **url** (*str*) – URL of video file
- **preview\_url** (*str*) – URL of preview image
- **alt\_content** ([linebot.models.flex\\_message.ImageComponent](#) | [linebot.models.flex\\_message.BoxComponent](#)) – Alternative content
- **aspect\_ratio** (*float*) – Aspect ratio of the video
- **action** (*list*[*T* <= [linebot.models.actions.Action](#)]) – Action performed when this video is tapped
- **kwargs** –

### 1.5.1.7 linebot.models.imagemap module

linebot.models.imagemap module.

```
class linebot.models.imagemap.ImagemapSendMessage(base_url=None, alt_text=None, base_size=None,
                                                    video=None, actions=None, **kwargs)
```

Bases: [SendMessage](#)

ImagemapSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#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__(base_url=None, alt_text=None, base_size=None, video=None, actions=None, **kwargs)
    __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
- **video** ([linebot.models.imagemap.Video](#)) – Video in imagemap message
- **actions** (*list*[*T* <= [linebot.models.imagemap.ImagemapAction](#)]) – Action when tapped
- **kwargs** –

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

Bases: [Base](#)

BaseSize.

<https://developers.line.biz/en/reference/messaging-api/#imagemap-message>

```
__init__(width=None, height=None, **kwargs)
```

\_\_init\_\_ method.

#### 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: [Base](#)

ImagemapAction.

<https://developers.line.biz/en/reference/messaging-api/#imagemap-message>

```
__init__(**kwargs)
```

\_\_init\_\_ method.

#### Parameters

**kwargs** –

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

Bases: [ImagemapAction](#)

URIImagemapAction.

<https://developers.line.biz/en/reference/messaging-api/#imagemap-message>

```
__init__(link_uri=None, area=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **link\_uri** (*str*) – Webpage URL
- **area** ([linebot.models.imagemap.ImagemapArea](#)) – Defined tappable area
- **kwargs** –

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

Bases: [ImagemapAction](#)

MessageImagemapAction.

<https://developers.line.biz/en/reference/messaging-api/#imagemap-message>

```
__init__(text=None, area=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

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

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

Bases: [Base](#)

ImagemapArea.

<https://developers.line.biz/en/reference/messaging-api/#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\_\_**(*x=None, y=None, width=None, height=None, \*\*kwargs*)

**\_\_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.**Video**(*original\_content\_url=None, preview\_image\_url=None, area=None, external\_link=None, \*\*kwargs*)

Bases: [Base](#)

Video.

<https://developers.line.biz/en/reference/messaging-api/#imagemap-message>

Defines the properties of the video object in imagemap.

**\_\_init\_\_**(*original\_content\_url=None, preview\_image\_url=None, area=None, external\_link=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **original\_content\_url** (*str*) – URL of the video file
- **preview\_image\_url** (*str*) – URL of the preview image
- **area** ([linebot.models.imagemap.ImagemapArea](#)) – Defined video area
- **external\_link** ([linebot.models.imagemap.ExternalLink](#)) – Defined video external link
- **kwargs** –

**class** linebot.models.imagemap.**ExternalLink**(*link\_uri=None, label=None, \*\*kwargs*)

Bases: [Base](#)

ExternalLink.

<https://developers.line.biz/en/reference/messaging-api/#imagemap-message>

Defines URL and label of external link in video.

**\_\_init\_\_**(*link\_uri=None, label=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **link\_uri** (*str*) – Webpage URL

- **label** (*str*) – Label
- **kwargs** –

#### 1.5.1.8 linebot.models.insight module

linebot.models.insight module.

**class** linebot.models.insight.DemographicInsight(*percentage=None, \*\*kwargs*)

Bases: [Base](#)

Abstract Base Class of DemographicInsight.

**\_\_init\_\_**(*percentage=None, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

- **percentage** (*float*) – Percentage.
- **kwargs** –

**class** linebot.models.insight.GenderInsight(*percentage=None, gender=None, \*\*kwargs*)

Bases: [DemographicInsight](#)

GenderInsight.

**\_\_init\_\_**(*percentage=None, gender=None, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

- **percentage** (*float*) – Percentage.
- **gender** (*str*) – Gender
- **kwargs** –

**class** linebot.models.insight.AgeInsight(*percentage=None, age=None, \*\*kwargs*)

Bases: [DemographicInsight](#)

AgeInsight.

**\_\_init\_\_**(*percentage=None, age=None, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

- **percentage** (*float*) – Percentage.
- **age** (*str*) – Age
- **kwargs** –

**class** linebot.models.insight.AreaInsight(*percentage=None, area=None, \*\*kwargs*)

Bases: [DemographicInsight](#)

AreaInsight.

**\_\_init\_\_**(*percentage=None, area=None, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

- **percentage** (*float*) – Percentage.
- **area** (*str*) – Area
- **kwargs** –

**class** linebot.models.insight.**AppTypeInsight**(*percentage=None, app\_type=None, \*\*kwargs*)

Bases: [\*DemographicInsight\*](#)

AppTypeInsight.

**\_\_init\_\_**(*percentage=None, app\_type=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **percentage** (*float*) – Percentage.
- **app\_type** (*str*) – OS
- **kwargs** –

**class** linebot.models.insight.**SubscriptionPeriodInsight**(*percentage=None, subscription\_period=None, \*\*kwargs*)

Bases: [\*DemographicInsight\*](#)

SubscriptionPeriodInsight.

**\_\_init\_\_**(*percentage=None, subscription\_period=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **percentage** (*float*) – Percentage.
- **subscription\_period** (*str*) – Friendship duration
- **kwargs** –

**class** linebot.models.insight.**MessageStatistics**(*request\_id=None, timestamp=None, delivered=None, unique\_impression=None, unique\_click=None, unique\_media\_played=None, unique\_media\_played\_100\_percent=None, \*\*kwargs*)

Bases: [\*Base\*](#)

MessageStatistics.

**\_\_init\_\_**(*request\_id=None, timestamp=None, delivered=None, unique\_impression=None, unique\_click=None, unique\_media\_played=None, unique\_media\_played\_100\_percent=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **request\_id** (*str*) – Request ID.
- **timestamp** (*int*) – UNIX timestamp for message delivery time.
- **delivered** (*int*) – Number of messages delivered. This property shows values of less than 20.
- **unique\_impression** (*int*) – Number of people who opened the message, meaning they displayed at least 1 bubble.
- **unique\_click** (*int*) – Number of people who opened any URL in the message.



- **unique\_media\_played** (*int*) – Number of people who started playing any video or audio in the message.
- **unique\_media\_played\_100\_percent** (*int*) – Number of people who played the entirety of any video or audio in the message.

```
class linebot.models.insight.MessageStatisticsOfCustomAggregationUnit(unique_impression=None,
                                                                    unique_click=None,
                                                                    unique_media_played=None,
                                                                    unique_media_played_100_percent=None,
                                                                    **kwargs)
```

Bases: [Base](#)

MessageStatisticsOfCustomAggregationUnit.

```
__init__(unique_impression=None, unique_click=None, unique_media_played=None,
         unique_media_played_100_percent=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **unique\_impression** (*int*) – Number of people who opened the message, meaning they displayed at least 1 bubble.
- **unique\_click** (*int*) – Number of people who opened any URL in the message.
- **unique\_media\_played** (*int*) – Number of people who started playing any video or audio in the message.
- **unique\_media\_played\_100\_percent** (*int*) – Number of people who played the entirety of any video or audio in the message.

```
class linebot.models.insight.MessageInsight(seq=None, impression=None, media_played=None,
                                           media_played_25_percent=None,
                                           media_played_50_percent=None,
                                           media_played_75_percent=None,
                                           media_played_100_percent=None,
                                           unique_media_played=None,
                                           unique_media_played_25_percent=None,
                                           unique_media_played_50_percent=None,
                                           unique_media_played_75_percent=None,
                                           unique_media_played_100_percent=None, **kwargs)
```

Bases: [Base](#)

MessageInsight.

```
__init__(seq=None, impression=None, media_played=None, media_played_25_percent=None,
         media_played_50_percent=None, media_played_75_percent=None,
         media_played_100_percent=None, unique_media_played=None,
         unique_media_played_25_percent=None, unique_media_played_50_percent=None,
         unique_media_played_75_percent=None, unique_media_played_100_percent=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **seq** (*int*) – Bubble's serial number.
- **impression** (*int*) – Number of times the bubble was displayed.
- **media\_played** (*int*) – Number of times audio or video in the bubble started playing.

- **media\_played\_25\_percent** (*int*) – Number of times audio or video in the bubble was played from start to 25%.
- **media\_played\_50\_percent** (*int*) – Number of times audio or video in the bubble was played from start to 50%.
- **media\_played\_75\_percent** (*int*) – Number of times audio or video in the bubble was played from start to 75%.
- **media\_played\_100\_percent** (*int*) – Number of times audio or video in the bubble was played in its entirety.
- **unique\_media\_played** (*int*) – Number of people that started playing audio or video in the bubble.
- **unique\_media\_played\_25\_percent** (*int*) – Number of people that played audio or video in the bubble from start to 25%.
- **unique\_media\_played\_50\_percent** (*int*) – Number of people that played audio or video in the bubble from start to 50%.
- **unique\_media\_played\_75\_percent** (*int*) – Number of people that played audio or video in the bubble from start to 75%.
- **unique\_media\_played\_100\_percent** (*int*) – Number of people that played audio or video in the bubble in its entirety.

```
class linebot.models.insight.ClickInsight(seq=None, url=None, click=None, unique_click=None,
                                         unique_click_of_request=None, **kwargs)
```

Bases: [Base](#)

ClickInsight.

```
__init__(seq=None, url=None, click=None, unique_click=None, unique_click_of_request=None, **kwargs)
    __init__ method.
```

#### Parameters

- **seq** (*int*) – The URL's serial number.
- **url** (*str*) – URL.
- **click** (*int*) – Number of times the URL was opened.
- **unique\_click** (*int*) – Number of people that opened the URL.
- **unique\_click\_of\_request** (*int*) – Number of people who opened this url through any link in the message.

```
class linebot.models.insight.JobInsight(audience_group_job_id=None, audience_group_id=None,
                                         description=None, type=None, job_status=None,
                                         failed_type=None, audience_count=None, created=None,
                                         **kwargs)
```

Bases: [Base](#)

ClickInsight.

```
__init__(audience_group_job_id=None, audience_group_id=None, description=None, type=None,
          job_status=None, failed_type=None, audience_count=None, created=None, **kwargs)
    __init__ method.
```

#### Parameters

- **audience\_group\_job\_id** (*int*) – A job ID.

- **audience\_group\_id** (*int*) – An audience ID.
- **description** (*str*) – The job’s description.
- **type** (*str*) – The job’s type. One of: ‘DIFF\_ADD’
- **job\_status** (*str*) – The job’s status. One of: ‘QUEUED’, ‘WORKING’, ‘FINISHED’, ‘FAILED’
- **failed\_type** (*str*) – The reason why the operation failed. This is only included when jobs[].jobStatus is FAILED.
- **audience\_count** (*int*) – The number of accounts (recipients) that were added or removed.
- **created** (*int*) – When the job was created (in UNIX time).
- **kwargs** –

#### 1.5.1.9 linebot.models.limit module

linebot.models.recipient module.

**class** linebot.models.limit.**Limit**(*max=None, up\_to\_remaining\_quota=False, \*\*kwargs*)

Bases: *Base*

Limit.

<https://developers.line.biz/en/reference/messaging-api/#send-narrowcast-message>

**\_\_init\_\_** (*max=None, up\_to\_remaining\_quota=False, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

**kwargs** –

#### 1.5.1.10 linebot.models.messages module

linebot.models.messages module.

**class** linebot.models.messages.**Message**(\*args, \*\*kwargs)

Bases: *Base*

Abstract Base Class of Message.

**\_\_init\_\_** (*id=None, use\_raw\_message=False, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

- **id** (*str*) – Message ID
- **use\_raw\_message** (*bool*) – Using original Message key as attribute
- **kwargs** –

**class** linebot.models.messages.**TextMessage**(\*args, \*\*kwargs)

Bases: *Message*

TextMessage.

<https://developers.line.biz/en/reference/messaging-api/#wh-text>

Message object which contains the text sent from the source.

```
__init__(id=None, text=None, emojis=None, mention=None, **kwargs)
    __init__ method.
```

**Parameters**

- **id** (*str*) – Message ID
- **text** (*str*) – Message text
- **emojis** (*List*) – Array of LINE emoji objects
- **mention** (*object*) – LINE mention object
- **kwargs** –

```
class linebot.models.messages.ImageMessage(*args, **kwargs)
```

Bases: [Message](#)

ImageMessage.

<https://developers.line.biz/en/reference/messaging-api/#wh-image>

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

```
__init__(id=None, content_provider=None, image_set=None, **kwargs)
    __init__ method.
```

**Parameters**

- **id** (*str*) – Message ID
- **content\_provider** ([linebot.models.messages.ContentProvider](#)) – Content-Provider object
- **image\_set** ([linebot.models.messages.ImageSet](#)) – ImageSet object
- **kwargs** –

```
class linebot.models.messages.VideoMessage(*args, **kwargs)
```

Bases: [Message](#)

VideoMessage.

<https://developers.line.biz/en/reference/messaging-api/#wh-video>

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

```
__init__(id=None, duration=None, content_provider=None, **kwargs)
    __init__ method.
```

**Parameters**

- **id** (*str*) – Message ID
- **duration** (*long*) – Length of video file (milliseconds)
- **content\_provider** ([linebot.models.messages.ContentProvider](#)) – Content-Provider object
- **kwargs** –

```
class linebot.models.messages.AudioMessage(*args, **kwargs)
```

Bases: [Message](#)

AudioMessage.

<https://developers.line.biz/en/reference/messaging-api/#wh-audio>

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

```
__init__(id=None, duration=None, content_provider=None, **kwargs)
```

`__init__` method.

#### Parameters

- **id** (*str*) – Message ID
- **duration** (*long*) – Length of audio file (milliseconds)
- **content\_provider** ([linebot.models.messages.ContentProvider](#)) – Content-Provider object
- **kwargs** –

```
class linebot.models.messages.LocationMessage(*args, **kwargs)
```

Bases: [Message](#)

LocationMessage.

<https://developers.line.biz/en/reference/messaging-api/#wh-location>

```
__init__(id=None, title=None, address=None, latitude=None, longitude=None, **kwargs)
```

`__init__` method.

#### Parameters

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

```
class linebot.models.messages.StickerMessage(*args, **kwargs)
```

Bases: [Message](#)

StickerMessage.

<https://developers.line.biz/en/reference/messaging-api/#wh-sticker>

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__(id=None, package_id=None, sticker_id=None, sticker_resource_type=None, keywords=None,
          text=None, **kwargs)
```

`__init__` method.

#### Parameters

- **id** (*str*) – Message ID

- **package\_id** (*str*) – Package ID
- **sticker\_id** (*str*) – Sticker ID
- **sticker\_resource\_type** (*str*) – Sticker resource type
- **keywords** (*list[str]*) – List of up to 15 keywords describing the sticker
- **text** (*str*) – Any text entered by the user
- **kwargs** –

**class** linebot.models.messages.**FileMessage**(\*args, \*\*kwargs)

Bases: [Message](#)

FileMessage.

<https://developers.line.biz/en/reference/messaging-api/#wh-file>

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

**\_\_init\_\_**(*id=None, file\_name=None, file\_size=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **id** (*str*) – Message ID
- **file\_name** (*str*) – File Name
- **file\_size** (*int*) – File Size
- **kwargs** –

**class** linebot.models.messages.**ContentProvider**(\*args, \*\*kwargs)

Bases: [Base](#)

Content provider.

**\_\_init\_\_**(*type=None, original\_content\_url=None, preview\_image\_url=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **type** (*str*) – Provider of the content. *line* or *external*.
- **original\_content\_url** (*str*) – URL of the content.
- **preview\_image\_url** (*str*) – URL of the preview image.
- **kwargs** –

**class** linebot.models.messages.**ImageSet**(\*args, \*\*kwargs)

Bases: [Base](#)

Image Set.

**\_\_init\_\_**(*id=None, index=None, total=0, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **id** (*str*) – Image set ID.
- **index** (*int*) – Image number in a set of images sent simultaneously.
- **total** (*int*) – Total number of images sent simultaneously.

- **kwargs** –

#### 1.5.1.11 linebot.models.operator module

linebot.models.filter module.

**class** linebot.models.operator.**Operator**(\*\*kwargs)

Bases: *Base*

Operator.

<https://developers.line.biz/en/reference/messaging-api/#narrowcast-demographic-filter>

Use logical AND, OR, and NOT operators to combine multiple recipient objects or demographic filter objects together. You can specify up to 10 recipient objects or demographic filter objects per request.

**\_\_init\_\_**(\*\*kwargs)

**\_\_init\_\_** method.

**Parameters**

- **kwargs** –

**class** linebot.models.operator.**And**(\*args, \*\*kwargs)

Bases: *Operator*

And.

Create a new recipient object or demographic filter object by taking the logical conjunction (AND) of the specified array of objects.

**\_\_init\_\_**(\*args, \*\*kwargs)

**\_\_init\_\_** method.

**Parameters**

- **args** –
- **kwargs** –

**class** linebot.models.operator.**Or**(\*args, \*\*kwargs)

Bases: *Operator*

Or.

Create a new recipient object or demographic filter object by taking the logical disjunction (OR) of the specified array of objects.

**\_\_init\_\_**(\*args, \*\*kwargs)

**\_\_init\_\_** method.

**Parameters**

- **args** –
- **kwargs** –

**class** linebot.models.operator.**Not**(arg, \*\*kwargs)

Bases: *Operator*

Not.

Create a new recipient object or demographic filter object that excludes in the specified object.

```
__init__(arg, **kwargs)
    __init__ method.
```

**Parameters**

- **arg** –
- **kwargs** –

### 1.5.1.12 linebot.models.recipient module

linebot.models.limit module.

```
class linebot.models.recipient.Recipient(**kwargs)
```

Bases: *Base*

Recipient.

<https://developers.line.biz/en/reference/messaging-api/#narrowcast-recipient>

Recipient objects represent audiences. You can specify recipients based on a combination of criteria using logical operator objects.

```
__init__(**kwargs)
    __init__ method.
```

**Parameters**

**kwargs** –

```
class linebot.models.recipient.AudienceRecipient(group_id=None, **kwargs)
```

Bases: *Recipient*

AudienceRecipient.

```
__init__(group_id=None, **kwargs)
    __init__ method.
```

**Parameters**

- **group\_id** (*int*) – The audience ID. Create audiences with the Manage Audience API.
- **kwargs** –

```
class linebot.models.recipient.RedeliveryRecipient(request_id=None, **kwargs)
```

Bases: *Recipient*

RedeliveryRecipient.

```
__init__(request_id=None, **kwargs)
    __init__ method.
```

**Parameters**

- **request\_id** (*str*) – The request ID of the narrowcast message previously sent. The request IDs is an ID issued for each Messaging API request.
- **kwargs** –



### 1.5.1.13 linebot.models.responses module

linebot.models.responses module.

**class** linebot.models.responses.**BroadcastResponse**(*request\_id=None*)

Bases: object

BroadcastResponse.

<https://developers.line.biz/en/reference/messaging-api/#send-broadcast-message>

**\_\_init\_\_**(*request\_id=None*)

**\_\_init\_\_** method.

**Parameters**

**request\_id** (*str*) – Request ID. A unique ID is generated for each request

**class** linebot.models.responses.**ValidateReplyMessageObjectsResponse**(*request\_id=None*)

Bases: object

ValidateReplyMessageObjectsResponse.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-reply-message>

**\_\_init\_\_**(*request\_id=None*)

**\_\_init\_\_** method.

**Parameters**

**request\_id** (*str*) – Request ID. A unique ID is generated for each request

**class** linebot.models.responses.**ValidatePushMessageObjectsResponse**(*request\_id=None*)

Bases: object

ValidatePushMessageObjectsResponse.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-push-message>

**\_\_init\_\_**(*request\_id=None*)

**\_\_init\_\_** method.

**Parameters**

**request\_id** (*str*) – Request ID. A unique ID is generated for each request

**class** linebot.models.responses.**ValidateMulticastMessageObjectsResponse**(*request\_id=None*)

Bases: object

ValidateMulticastMessageObjectsResponse.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-multicast-message>

**\_\_init\_\_**(*request\_id=None*)

**\_\_init\_\_** method.

**Parameters**

**request\_id** (*str*) – Request ID. A unique ID is generated for each request

**class** linebot.models.responses.**ValidateNarrowcastMessageObjectsResponse**(*request\_id=None*)

Bases: object

ValidateNarrowcastMessageObjectsResponse.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-narrowcast-message>

```
__init__(request_id=None)
```

\_\_init\_\_ method.

**Parameters**

**request\_id** (*str*) – Request ID. A unique ID is generated for each request

```
class linebot.models.responses.ValidateBroadcastMessageObjectsResponse(request_id=None)
```

Bases: `object`

ValidateBroadcastMessageObjectsResponse.

<https://developers.line.biz/en/reference/messaging-api/#validate-message-objects-of-broadcast-message>

```
__init__(request_id=None)
```

\_\_init\_\_ method.

**Parameters**

**request\_id** (*str*) – Request ID. A unique ID is generated for each request

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

Bases: `Base`

Profile.

<https://developers.line.biz/en/reference/messaging-api/#get-profile>

```
__init__(display_name=None, user_id=None, picture_url=None, status_message=None, language=None,
          **kwargs)
```

\_\_init\_\_ method.

**Parameters**

- **display\_name** (*str*) – Display name
- **user\_id** (*str*) – User ID
- **picture\_url** (*str*) – Image URL
- **status\_message** (*str*) – Status message
- **language** (*str*) – Get user's language
- **kwargs** –

```
class linebot.models.responses.Group(group_id=None, group_name=None, picture_url=None, **kwargs)
```

Bases: `Base`

Group.

<https://developers.line.biz/en/reference/messaging-api/#get-group-id-response>

```
__init__(group_id=None, group_name=None, picture_url=None, **kwargs)
```

\_\_init\_\_ method.

:param str group\_id :param str group\_name :param str picture\_url :param kwargs:

```
class linebot.models.responses.MemberIds(member_ids=None, next=None, **kwargs)
```

Bases: `Base`

MemberIds.

<https://developers.line.biz/en/reference/messaging-api/#get-group-member-user-ids> <https://developers.line.biz/en/reference/messaging-api/#get-room-member-user-ids>

**\_\_init\_\_**(*member\_ids=None, next=None, \*\*kwargs*)

\_\_init\_\_ method.

#### Parameters

- **member\_ids** (*list[str]*) – List of user IDs of the members in the group or room. Max: 100 user IDs
- **next** (*str*) – continuationToken. Only returned when there are more user IDs remaining in memberIds.
- **kwargs** –

**class** linebot.models.responses.**Content**(*response*)

Bases: object

MessageContent.

<https://developers.line.biz/en/reference/messaging-api/#get-content>

**\_\_init\_\_**(*response*)

\_\_init\_\_ method.

#### Parameters

**response** (*T <= linebot.http\_client.HttpResponse*) – HttpResponse object

#### property content\_type

Get Content-type header value.

#### Return type

str

#### Returns

content-type header value

#### property content

Get content.

If content size is large, should use iter\_content.

#### Return type

binary

**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

**class** linebot.models.responses.**RichMenuResponse**(*rich\_menu\_id=None, size=None, selected=None, name=None, chat\_bar\_text=None, areas=None, \*\*kwargs*)

Bases: [Base](#)

RichMenuResponse.

<https://developers.line.me/en/docs/messaging-api/reference/#rich-menu-response-object>

```
__init__(rich_menu_id=None, size=None, selected=None, name=None, chat_bar_text=None, areas=None,
          **kwargs)
```

`__init__` method.

#### Parameters

- **id** (*str*) – Rich Menu ID
- **size** (*linebot.models.rich\_menu.RichMenuSize*) – size object which describe the rich menu displayed in the chat. Rich menu images must be one of the following sizes: 2500x1686, 2500x843.
- **selected** (*bool*) – true to display the rich menu by default. Otherwise, false.
- **name** (*str*) – Name of the rich menu. Maximum of 300 characters.
- **chat\_bar\_text** (*str*) – Text displayed in the chat bar. Maximum of 14 characters.
- **areas** (list[T <= *linebot.models.rich\_menu.RichMenuArea*]) – Array of area objects which define coordinates and size of tappable areas. Maximum of 20 area objects.
- **kwargs** –

```
class linebot.models.responses.RichMenuAliasResponse(rich_menu_alias_id=None,
                                                    rich_menu_id=None, **kwargs)
```

Bases: *Base*

*RichMenuAliasResponse*.

<https://developers.line.biz/en/reference/messaging-api/#get-rich-menu-alias-by-id-response>

```
__init__(rich_menu_alias_id=None, rich_menu_id=None, **kwargs)
```

`__init__` method.

#### Parameters

- **rich\_menu\_alias\_id** (*str*) – Rich menu alias ID.
- **rich\_menu\_id** (*str*) – Rich menu ID.
- **kwargs** –

```
class linebot.models.responses.RichMenuAliasListResponse(aliases=None, **kwargs)
```

Bases: *Base*

*RichMenuAliasListResponse*.

<https://developers.line.biz/en/reference/messaging-api/#get-rich-menu-alias-list-response>

```
__init__(aliases=None, **kwargs)
```

`__init__` method.

#### Parameters

- **aliases** – Array of rich menu alias objects
- **kwargs** –

```
class linebot.models.responses.MessageQuotaResponse(type=None, value=None, **kwargs)
```

Bases: *Base*

*MessageQuotaResponse*.

<https://developers.line.biz/en/reference/messaging-api/#get-quota>

```
__init__(type=None, value=None, **kwargs)
```

`__init__` method.

#### Parameters

- **type** (*str*) – Quota limitation type
- **value** (*int*) – The target limit for additional messages in the current month. This property is returned when the type property has a value of limited.
- **kwargs** –

```
class linebot.models.responses.MessageQuotaConsumptionResponse(total_usage=None, **kwargs)
```

Bases: [Base](#)

MessageQuotaConsumptionResponse.

<https://developers.line.biz/en/reference/messaging-api/#get-consumption>

```
__init__(total_usage=None, **kwargs)
```

`__init__` method.

#### Parameters

- **total\_usage** (*str*) – The number of sent messages in the current month
- **kwargs** –

```
class linebot.models.responses.MessageDeliveryBroadcastResponse(status=None, success=None, **kwargs)
```

Bases: [Base](#)

MessageDeliveryBroadcastResponse.

```
__init__(status=None, success=None, **kwargs)
```

`__init__` method.

#### Parameters

- **status** (*str*) – Status of the counting process.
- **success** (*int*) – The number of messages sent with the Messaging API on the date specified in date.
- **kwargs** –

```
class linebot.models.responses.MessageDeliveryReplyResponse(status=None, success=None, **kwargs)
```

Bases: [Base](#)

MessageDeliveryReplyResponse.

```
__init__(status=None, success=None, **kwargs)
```

`__init__` method.

#### Parameters

- **status** (*str*) – Status of the counting process.
- **success** (*int*) – The number of messages sent with the Messaging API on the date specified in date.
- **kwargs** –

```
class linebot.models.responses.MessageDeliveryPushResponse(status=None, success=None,
                                                           **kwargs)
```

Bases: [Base](#)

MessageDeliveryPushResponse.

```
__init__(status=None, success=None, **kwargs)
__init__ method.
```

#### Parameters

- **status** (*str*) – Status of the counting process.
- **success** (*int*) – The number of messages sent with the Messaging API on the date specified in date.
- **kwargs** –

```
class linebot.models.responses.MessageDeliveryMulticastResponse(status=None, success=None,
                                                                **kwargs)
```

Bases: [Base](#)

MessageDeliveryMulticastResponse.

```
__init__(status=None, success=None, **kwargs)
__init__ method.
```

#### Parameters

- **status** (*str*) – Status of the counting process.
- **success** (*int*) – The number of messages sent with the Messaging API on the date specified in date.
- **kwargs** –

```
class linebot.models.responses.MessageProgressNarrowcastResponse(phase=None,
                                                                success_count=None,
                                                                failure_count=None,
                                                                target_count=None,
                                                                failed_description=None,
                                                                error_code=None,
                                                                accepted_time=None,
                                                                completed_time=None,
                                                                **kwargs)
```

Bases: [Base](#)

MessageProgressNarrowcastResponse.

```
__init__(phase=None, success_count=None, failure_count=None, target_count=None,
         failed_description=None, error_code=None, accepted_time=None, completed_time=None,
         **kwargs)
__init__ method.
```

#### Parameters

- **phase** (*str*) – Progress status. One of *waiting*, *sending*, *succeeded*, or *failed*.
- **success\_count** (*int*) – Number of narrowcast messages sent successful.
- **failure\_count** (*int*) – Number of narrowcast messages sent failed.
- **target\_count** (*int*) – Number of targeted messages sent.

- **failed\_description** (*str*) – Reason why narrowcast failed, useful when phase is *failed*.
- **error\_code** (*int*) – Summary of the error. One of 1 or 2. 1 means internal error, whereas 2 indicates too few targets.
- **accepted\_time** (*str*) – Narrowcast message request accepted time in milliseconds.
- **completed\_time** (*str*) – Processing of narrowcast message request completion time in milliseconds.
- **kwargs** –

**class** linebot.models.responses.**IssueLinkTokenResponse**(*link\_token=None, \*\*kwargs*)

Bases: *Base*

IssueLinkTokenResponse.

<https://developers.line.biz/en/reference/messaging-api/#issue-link-token>

**\_\_init\_\_**(*link\_token=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **link\_token** (*str*) – Link token.
- **kwargs** –

**class** linebot.models.responses.**IssueChannelTokenResponse**(*access\_token=None, expires\_in=None, token\_type=None, \*\*kwargs*)

Bases: *Base*

IssueAccessTokenResponse.

<https://developers.line.biz/en/reference/messaging-api/#issue-channel-access-token>

**\_\_init\_\_**(*access\_token=None, expires\_in=None, token\_type=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **access\_token** (*str*) – Short-lived channel access token.
- **expires\_in** (*int*) – Time until channel access token expires in seconds from time the token is issued.
- **token\_type** (*str*) – Bearer.
- **kwargs** –

**class** linebot.models.responses.**InsightMessageDeliveryResponse**(*status=None, broadcast=None, targeting=None, auto\_response=None, welcome\_response=None, chat=None, api\_broadcast=None, api\_push=None, api\_multicast=None, api\_reply=None, \*\*kwargs*)

Bases: *Base*

InsightMessageDeliveryResponse.

```
__init__(status=None, broadcast=None, targeting=None, auto_response=None, welcome_response=None, chat=None, api_broadcast=None, api_push=None, api_multicast=None, api_reply=None, **kwargs)
```

`__init__` method.

#### Parameters

- **status** (*str*) – Calculation status. One of *ready*, *unready*, or *out\_of\_service*.
- **broadcast** (*int*) – Number of broadcast messages sent.
- **targeting** (*int*) – Number of targeted/segmented messages sent.
- **auto\_response** (*int*) – Number of auto-response messages sent.
- **welcome\_response** (*int*) – Number of greeting messages sent.
- **chat** (*int*) – Number of messages sent from LINE Official Account Manager Chat screen.
- **api\_broadcast** (*int*) – Number of broadcast messages sent with the Send broadcast message Messaging API operation.
- **api\_push** (*int*) – Number of push messages sent with the Send push message Messaging API operation.
- **api\_multicast** (*int*) – Number of multicast messages sent with the Send multicast message Messaging API operation.
- **api\_reply** (*int*) – Number of replies sent with the Send reply message Messaging API operation.
- **success** (*int*) – The number of messages sent with the Messaging API on the date specified in date.
- **kwargs** –

```
class linebot.models.responses.InsightFollowersResponse(status=None, followers=None, targeted_reaches=None, blocks=None, **kwargs)
```

Bases: [Base](#)

InsightFollowersResponse.

```
__init__(status=None, followers=None, targeted_reaches=None, blocks=None, **kwargs)
```

`__init__` method.

#### Parameters

- **status** (*str*) – Calculation status. One of *ready*, *unready*, or *out\_of\_service*.
- **followers** (*int*) – The number of times, as of the specified date, that a user added this LINE official account as a friend for the first time.
- **targeted\_reaches** (*int*) – The number of users, as of the specified date, that the official account can reach through targeted messages based on gender, age, and/or region.
- **blocks** (*int*) – The number of users blocking the account as of the specified date.
- **kwargs** –

```
class linebot.models.responses.InsightDemographicResponse(available=None, genders=None, ages=None, areas=None, app_types=None, subscription_periods=None, **kwargs)
```



Bases: [Base](#)

InsightDemographicResponse.

```
__init__(available=None, genders=None, ages=None, areas=None, app_types=None,
          subscription_periods=None, **kwargs)
```

`__init__` method.

#### Parameters

- **available** (*bool*) – *true* if friend demographic information is available.
- **genders** (list[T <= linebot.models.GenderInsight]) – Percentage per gender.
- **ages** (list[T <= linebot.models.AgeInsight]) – Percentage per age group.
- **areas** (list[T <= linebot.models.AreaInsight]) – Percentage per area.
- **app\_types** (list[T <= linebot.models.AppTypeInsight]) – Percentage by OS.
- **subscription\_periods** (list[T <= linebot.models.SubscriptionPeriodInsight]) – Percentage per friendship duration.
- **kwargs** –

```
class linebot.models.responses.InsightMessageEventResponse(overview=None, messages=None,
                                                            clicks=None, **kwargs)
```

Bases: [Base](#)

InsightMessageEventResponse.

```
__init__(overview=None, messages=None, clicks=None, **kwargs)
```

`__init__` method.

#### Parameters

- **overview** (T <= linebot.models.MessageStatistics) – Summary of message statistics.
- **messages** (list[T <= linebot.models.MessageInsight]) – Array of information about individual message bubbles.
- **clicks** (list[T <= linebot.models.ClickInsight]) – Array of information about URLs in the message.
- **kwargs** –

```
class linebot.models.responses.InsightMessageEventOfCustomAggregationUnitResponse(overview=None,
                                                                                     mes-
                                                                                     sages=None,
                                                                                     clicks=None,
                                                                                     **kwargs)
```

Bases: [Base](#)

InsightMessageEventResponse.

```
__init__(overview=None, messages=None, clicks=None, **kwargs)
```

`__init__` method.

#### Parameters

- **overview** (T <= linebot.models.MessageStatisticsOfCustomAggregationUnit) – Summary of message statistics.

- **messages** (list[T <= linebot.models.MessageInsight]) – Array of information about individual message bubbles.
- **clicks** (list[T <= linebot.models.ClickInsight]) – Array of information about URLs in the message.
- **kwargs** –

```
class linebot.models.responses.AggregationInfoResponse(num_of_custom_aggregation_units=None,
                                                         **kwargs)
```

Bases: *Base*

The number of aggregation units used this month.

<https://developers.line.biz/en/reference/partner-docs/#get-number-of-units-used-this-month>

```
__init__(num_of_custom_aggregation_units=None, **kwargs)
    __init__ method.
```

#### Parameters

- **num\_of\_custom\_aggregation\_units** (*int*) – Number of aggregation units used this month.
- **kwargs** –

```
class linebot.models.responses.AggregationNameListResponse(custom_aggregation_units=None,
                                                            next=None, **kwargs)
```

Bases: *Base*

The name list of units used this month for statistics aggregation.

<https://developers.line.biz/en/reference/partner-docs/#get-name-list-of-units-used-this-month>

```
__init__(custom_aggregation_units=None, next=None, **kwargs)
    __init__ method.
```

#### Parameters

- **custom\_aggregation\_units** (*list[str]*) – name list of aggregation units used this month. Max: 100 unit names
- **next** (*str*) – continuationToken. A continuation token to get the next array of unit names.
- **kwargs** –

```
class linebot.models.responses.NarrowcastResponse(request_id=None, **kwargs)
```

Bases: *Base*

NarrowcastResponse.

<https://developers.line.biz/en/reference/messaging-api/#send-narrowcast-message>

```
__init__(request_id=None, **kwargs)
    __init__ method.
```

#### Parameters

- **request\_id** (*str*) – Request ID. A unique ID is generated for each request
- **kwargs** –

```
class linebot.models.responses.BotInfo(user_id=None, basic_id=None, premium_id=None,  
                                         display_name=None, picture_url=None, chat_mode=None,  
                                         mark_as_read_mode=None, **kwargs)
```

Bases: [Base](#)

Response of `linebot.get_bot_info()` .

<https://developers.line.biz/en/reference/messaging-api/#get-bot-info>

```
__init__(user_id=None, basic_id=None, premium_id=None, display_name=None, picture_url=None,  
         chat_mode=None, mark_as_read_mode=None, **kwargs)
```

`__init__` method.

#### Parameters

**kwargs** –

```
class linebot.models.responses.GetWebhookResponse(endpoint=None, active=None, **kwargs)
```

Bases: [Base](#)

Response of `get_webhook_endpoint()` .

<https://developers.line.biz/en/reference/messaging-api/#get-webhook-endpoint-information>

```
__init__(endpoint=None, active=None, **kwargs)
```

`__init__` method.

#### Parameters

- **endpoint** (*str*) – The webhook endpoint URL.
- **active** (*bool*) – Whether the webhook is in use.
- **kwargs** –

```
class linebot.models.responses.TestWebhookResponse(success=None, timestamp=None,  
                                                    status_code=None, reason=None, detail=None,  
                                                    **kwargs)
```

Bases: [Base](#)

Response of `test_webhook_endpoint()` .

<https://developers.line.biz/en/reference/messaging-api/#test-webhook-endpoint>

```
__init__(success=None, timestamp=None, status_code=None, reason=None, detail=None, **kwargs)
```

`__init__` method.

#### Parameters

- **success** (*bool*) – Result of the communication from the LINE platform to the webhook URL.
- **timestamp** (*str*) – Timestamp
- **status\_code** (*int*) – The HTTP status code.
- **reason** (*str*) – Reason for the response.
- **detail** (*str*) – Details of the response.
- **kwargs** –

```
class linebot.models.responses.AudienceGroup(audience_group_id=None, type=None,
                                              description=None, status=None, audience_count=None,
                                              created=None, is_ifa_audience=None, permission=None,
                                              create_route=None, request_id=None, failed_type=None,
                                              click_url=None, jobs=None, **kwargs)
```

Bases: [Base](#)

AudienceGroups.

<https://developers.line.biz/en/reference/messaging-api/#get-audience-group>

```
__init__(audience_group_id=None, type=None, description=None, status=None, audience_count=None,
          created=None, is_ifa_audience=None, permission=None, create_route=None, request_id=None,
          failed_type=None, click_url=None, jobs=None, **kwargs)
```

`__init__` method.

#### Parameters

- **audience\_group\_id** (*int*) – The audience ID.
- **type** (*str*) – The audience type. One of *UPLOAD* or *CLICK* or *IMP* or *CHAT\_TAG* or *FRIEND\_PATH*.
- **description** (*str*) – The audience’s name.
- **status** (*str*) – The audience’s status. One of *IN\_PROGRESS* or *READY* or *FAILED* or *EXPIRED*.
- **audience\_count** (*int*) – The number of valid recipients.
- **created** (*int*) – When the audience was created (in UNIX time).
- **is\_ifa\_audience** (*bool*) – The value specified when creating an audience for uploading user IDs to indicate the type of accounts that will be given as recipients.
- **permission** (*str*) – Audience’s update permission. Audiences linked to the same channel will be *READ\_WRITE*.
- **create\_route** (*str*) – How the audience was created. If omitted, you will get all audiences.
- **request\_id** (*str*) – The request ID that was specified when the audience was created.
- **failed\_type** (*str*) – The reason why the operation failed. This is only included when status is *FAILED*. One of *AUDIENCE\_GROUP\_AUDIENCE\_INSUFFICIENT* or *INTERNAL\_ERROR*
- **click\_url** (*str*) – The URL that was specified when the audience was created. This is only included when type is *CLICK*
- **jobs** – An array of jobs. This array is used to keep track of each attempt to add new user IDs or IFAs to an audience for uploading user IDs.
- **kwargs** –

```
class linebot.models.responses.ClickAudienceGroup(audience_group_id=None, create_route=None,
                                                    type=None, description=None, created=None,
                                                    permission=None, expire_timestamp=None,
                                                    is_ifa_audience=None, request_id=None,
                                                    click_url=None, **kwargs)
```

Bases: [Base](#)

ClickAudienceGroup.

<https://developers.line.biz/en/reference/messaging-api/#create-click-audience-group>

```
__init__(audience_group_id=None, create_route=None, type=None, description=None, created=None,
         permission=None, expire_timestamp=None, is_ifa_audience=None, request_id=None,
         click_url=None, **kwargs)
```

`__init__` method.

#### Parameters

- **audience\_group\_id** (*int*) – The audience ID.
- **create\_route** (*str*) – How the audience was created. If omitted, you will get all audiences.
- **type** (*str*) – The audience type. One of *UPLOAD* or *CLICK* or *IMP* or *CHAT\_TAG* or *FRIEND\_PATH*.
- **description** (*str*) – The audience’s name.
- **created** (*int*) – When the audience was created (in UNIX time).
- **permission** (*str*) – Audience’s update permission. Audiences linked to the same channel will be *READ\_WRITE*.
- **expire\_timestamp** (*int*) – Time of audience expiration. Only returned for specific audiences.
- **is\_ifa\_audience** (*bool*) – The value specified when creating an audience for uploading user IDs to indicate the type of accounts that will be given as recipients.
- **request\_id** (*str*) – The request ID that was specified when the audience was created.
- **click\_url** (*str*) – The URL that was specified when the audience was created. This is only included when type is *CLICK*
- **kwargs** –

```
class linebot.models.responses.CreateAudienceGroup(audience_group_id=None, create_route=None,
                                                    type=None, description=None, created=None,
                                                    permission=None, expire_timestamp=None,
                                                    is_ifa_audience=None, **kwargs)
```

Bases: *Base*

ClickAudienceGroup.

<https://developers.line.biz/en/reference/messaging-api/#create-upload-audience-group>

```
__init__(audience_group_id=None, create_route=None, type=None, description=None, created=None,
         permission=None, expire_timestamp=None, is_ifa_audience=None, **kwargs)
```

`__init__` method.

#### Parameters

- **audience\_group\_id** (*int*) – The audience ID.
- **create\_route** (*str*) – How the audience was created. If omitted, you will get all audiences.
- **type** (*str*) – The audience type. One of *UPLOAD* or *CLICK* or *IMP* or *CHAT\_TAG* or *FRIEND\_PATH*.
- **description** (*str*) – The audience’s name.
- **created** (*int*) – When the audience was created (in UNIX time).

- **permission** (*str*) – Audience’s update permission. Audiences linked to the same channel will be `READ_WRITE`.
- **expire\_timestamp** (*int*) – Time of audience expiration. Only returned for specific audiences.
- **is\_ifa\_audience** (*bool*) – The value specified when creating an audience for uploading user IDs to indicate the type of accounts that will be given as recipients.
- **kwargs** –

```
class linebot.models.responses.ImpAudienceGroup(audience_group_id=None, create_route=None,
                                                type=None, description=None, created=None,
                                                permission=None, expire_timestamp=None,
                                                is_ifa_audience=None, request_id=None, **kwargs)
```

Bases: [Base](#)

ImpAudienceGroup.

<https://developers.line.biz/en/reference/messaging-api/#create-imp-audience-group>

```
__init__(audience_group_id=None, create_route=None, type=None, description=None, created=None,
         permission=None, expire_timestamp=None, is_ifa_audience=None, request_id=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **audience\_group\_id** (*int*) – The audience ID.
- **create\_route** (*str*) – How the audience was created. If omitted, you will get all audiences.
- **type** (*str*) – The audience type. One of `UPLOAD` or `CLICK` or `IMP` or `CHAT_TAG` or `FRIEND_PATH`.
- **description** (*str*) – The audience’s name.
- **created** (*int*) – When the audience was created (in UNIX time).
- **permission** (*str*) – Audience’s update permission. Audiences linked to the same channel will be `READ_WRITE`.
- **expire\_timestamp** (*int*) – Time of audience expiration. Only returned for specific audiences.
- **is\_ifa\_audience** (*bool*) – The value specified when creating an audience for uploading user IDs to indicate the type of accounts that will be given as recipients.
- **request\_id** (*str*) – The request ID that was specified when the audience was created.
- **kwargs** –

```
class linebot.models.responses.GetAuthorityLevel(authority_level=None, **kwargs)
```

Bases: [Base](#)

GetAuthorityLevel.

<https://developers.line.biz/en/reference/messaging-api/#get-authority-level>

```
__init__(authority_level=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **authority\_level** (*str*) – The authority level for all audiences linked to a channel.

- **kwargs** –

**class** linebot.models.responses.**Audience**(*id=None, \*\*kwargs*)

Bases: *Base*

Audience.

<https://developers.line.biz/en/reference/messaging-api/#update-upload-audience-group>

**\_\_init\_\_**(*id=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **audience\_id** (*str*) – A user ID or IFA.
- **kwargs** –

**class** linebot.models.responses.**UserIds**(*user\_ids=None, next=None, \*\*kwargs*)

Bases: *Base*

UserIds.

<https://developers.line.biz/en/reference/messaging-api/#get-follower-ids>

**\_\_init\_\_**(*user\_ids=None, next=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **user\_ids** (*list[str]*) – List of user IDs of users that have added the LINE Official Account as a friend. Max: 300 user IDs
- **next** (*str*) – continuationToken. A continuation token to get the next array of user IDs.
- **kwargs** –

**class** linebot.models.responses.**IssueChannelTokenResponseV2**(*access\_token=None, expires\_in=None, token\_type=None, key\_id=None, \*\*kwargs*)

Bases: *Base*

IssueAccessTokenResponseV2.

<https://developers.line.biz/en/reference/messaging-api/#issue-channel-access-token-v2-1>

**\_\_init\_\_**(*access\_token=None, expires\_in=None, token\_type=None, key\_id=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **access\_token** (*str*) – Short-lived channel access token.
- **expires\_in** (*int*) – Time until channel access token expires in seconds from time the token is issued.
- **token\_type** (*str*) – Bearer.
- **key\_id** – Unique key ID for identifying the channel access token.
- **kwargs** –

```
class linebot.models.responses.ChannelAccessTokens(access_tokens=None, **kwargs)
```

Bases: [Base](#)

ChannelAccessTokens.

<https://developers.line.biz/en/reference/messaging-api/#get-issued-channel-access-tokens-v2-1>

```
__init__(access_tokens=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **access\_tokens** (*list[str]*) – List of channel access token
- **kwargs** –

```
class linebot.models.responses.VerifyChannelTokenResponseV2(client_id=None, expires_in=None, scope=None, **kwargs)
```

Bases: [Base](#)

VerifyChannelTokenResponseV2.

<https://developers.line.biz/en/reference/messaging-api/#verify-channel-access-token-v2-1>

```
__init__(client_id=None, expires_in=None, scope=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **client\_id** (*str*) – The channel ID for which the channel access token was issued.
- **expires\_in** (*int*) – Number of seconds before the channel access token expires.
- **scope** (*str*) – Permissions granted to the channel access token.
- **kwargs** –

```
class linebot.models.responses.ValidAccessTokenKeyIDsResponse(kids=None, **kwargs)
```

Bases: [Base](#)

ValidAccessTokenKeyIDsResponse.

<https://developers.line.biz/en/reference/messaging-api/#get-all-valid-channel-access-token-key-ids-v2-1>

```
__init__(kids=None, **kwargs)
```

\_\_init\_\_ method.

#### Parameters

- **kids** (*list[str]*) – Array of channel access token key IDs.
- **kwargs** –

### 1.5.1.14 linebot.models.rich\_menu module

linebot.models.rich\_menu module.

```
class linebot.models.rich_menu.RichMenu(size=None, selected=None, name=None, chat_bar_text=None, areas=None, **kwargs)
```

Bases: [Base](#)

RichMenu.

<https://developers.line.me/en/docs/messaging-api/reference/#rich-menu-object>



**\_\_init\_\_**(*size=None, selected=None, name=None, chat\_bar\_text=None, areas=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **size** (*linebot.models.rich\_menu.RichMenuSize*) – size object which describe the rich menu displayed in the chat. Rich menu images must be one of the following sizes: 2500x1686, 2500x843.
- **selected** (*bool*) – true to display the rich menu by default. Otherwise, false.
- **name** (*str*) – Name of the rich menu. Maximum of 300 characters.
- **chatBarText** (*str*) – Text displayed in the chat bar. Maximum of 14 characters.
- **areas** (list[T <= *linebot.models.rich\_menu.RichMenuArea*]) – Array of area objects which define coordinates and size of tappable areas. Maximum of 20 area objects.
- **kwargs** –

**class** linebot.models.rich\_menu.**RichMenuSize**(*width=None, height=None, \*\*kwargs*)

Bases: *Base*

RichMenuSize.

<https://developers.line.me/en/docs/messaging-api/reference/#size-object>

**\_\_init\_\_**(*width=None, height=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **width** (*int*) – Width of the rich menu. Must be 2500.
- **height** (*int*) – Height of the rich menu. Possible values: 1686, 843.
- **kwargs** –

**class** linebot.models.rich\_menu.**RichMenuArea**(*bounds=None, action=None, \*\*kwargs*)

Bases: *Base*

RichMenuArea.

<https://developers.line.me/en/docs/messaging-api/reference/#area-object>

**\_\_init\_\_**(*bounds=None, action=None, \*\*kwargs*)  
 \_\_init\_\_ method.

#### Parameters

- **bounds** (*linebot.models.rich\_menu.RichMenuBound*) – Object describing the boundaries of the area in pixels. See bounds object.
- **action** (T <= *linebot.models.actions.Action*) – Action performed when the area is tapped. See action objects.
- **kwargs** –

**class** linebot.models.rich\_menu.**RichMenuBounds**(*x=None, y=None, width=None, height=None, \*\*kwargs*)

Bases: *Base*

RichMenuBounds.

<https://developers.line.me/en/docs/messaging-api/reference/#bounds-object>

```
__init__(x=None, y=None, width=None, height=None, **kwargs)
    __init__ method.
```

**Parameters**

- **x** (*int*) – Horizontal position relative to the top-left corner of the area.
- **y** (*int*) – Vertical position relative to the top-left corner of the area.
- **width** (*int*) – Width of the area.
- **height** (*int*) – Height of the area.
- **kwargs** –

```
class linebot.models.rich_menu.RichMenuAlias(rich_menu_alias_id=None, rich_menu_id=None,
                                             **kwargs)
```

Bases: [Base](#)

RichMenuAlias.

<https://developers.line.biz/en/reference/messaging-api/#create-rich-menu-alias>

```
__init__(rich_menu_alias_id=None, rich_menu_id=None, **kwargs)
    __init__ method.
```

**Parameters**

- **rich\_menu\_alias\_id** (*string*) – Rich menu alias ID, which can be any ID, unique for each channel.
- **rich\_menu\_id** (*string*) – The rich menu ID to be associated with the rich menu alias.
- **kwargs** –

### 1.5.1.15 linebot.models.send\_messages module

linebot.models.send\_messages module.

```
class linebot.models.send_messages.SendMessage(quick_reply=None, sender=None, **kwargs)
```

Bases: [Base](#)

Abstract Base Class of SendMessage.

```
__init__(quick_reply=None, sender=None, **kwargs)
    __init__ method.
```

**Parameters**

- **quick\_reply** (*T* <= [linebot.models.send\\_messages.QuickReply](#)) – QuickReply object
- **sender** (*T* <= [linebot.models.send\\_messages.Sender](#)) – Sender object
- **kwargs** –

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

Bases: [SendMessage](#)

TextSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#text-message>

```
__init__(text=None, emojis=None, quick_reply=None, sender=None, **kwargs)
    __init__ method.
```

#### Parameters

- **text** (*str*) – Message text
- **quick\_reply** (T <= [linebot.models.send\\_messages.QuickReply](#)) – QuickReply object
- **kwargs** –

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

Bases: [SendMessage](#)

ImageSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#image-message>

```
__init__(original_content_url=None, preview_image_url=None, quick_reply=None, sender=None,
          **kwargs)
    __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
- **quick\_reply** (T <= [linebot.models.send\\_messages.QuickReply](#)) – QuickReply object
- **kwargs** –

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

Bases: [SendMessage](#)

VideoSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#video-message>

```
__init__(original_content_url=None, preview_image_url=None, tracking_id=None, quick_reply=None,
          sender=None, **kwargs)
    __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.
- **tracking\_id** (*str*) – the video viewing complete event occurs when the user finishes watching the video. Max character limit: 100.
- **quick\_reply** (T <= [linebot.models.send\\_messages.QuickReply](#)) – QuickReply object

- **kwargs** –

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

Bases: [SendMessage](#)

AudioSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#audio-message>

```
__init__(original_content_url=None, duration=None, quick_reply=None, sender=None, **kwargs)  
    __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).
- **quick\_reply** (*T* <= [linebot.models.send\\_messages.QuickReply](#)) – QuickReply object
- **kwargs** –

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

Bases: [SendMessage](#)

LocationSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#location-message>

```
__init__(title=None, address=None, latitude=None, longitude=None, quick_reply=None, sender=None, **kwargs)  
    __init__ method.
```

#### Parameters

- **title** (*str*) – Title
- **address** (*str*) – Address
- **latitude** (*float*) – Latitude
- **longitude** (*float*) – Longitude
- **quick\_reply** (*T* <= [linebot.models.send\\_messages.QuickReply](#)) – QuickReply object
- **kwargs** –

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

Bases: [SendMessage](#)

StickerSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#sticker-message>

```
__init__(package_id=None, sticker_id=None, quick_reply=None, sender=None, **kwargs)  
    __init__ method.
```

#### Parameters

- **package\_id** (*str*) – Package ID
- **sticker\_id** (*str*) – Sticker ID
- **quick\_reply** (*T* <= *linebot.models.send\_messages.QuickReply*) – QuickReply object
- **kwargs** –

**class** linebot.models.send\_messages.**QuickReply**(*items=None, \*\*kwargs*)

Bases: *Base*

QuickReply.

<https://developers.line.me/en/docs/messaging-api/#quick-reply>

**\_\_init\_\_**(*items=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **items** (list[*T* <= *linebot.models.send\_messages.QuickReplyButton*]) – Quick reply button objects
- **kwargs** –

**class** linebot.models.send\_messages.**QuickReplyButton**(*image\_url=None, action=None, \*\*kwargs*)

Bases: *Base*

QuickReplyButton.

<https://developers.line.me/en/reference/messaging-api/#quick-reply-button-object>

**\_\_init\_\_**(*image\_url=None, action=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **image\_url** (*str*) – URL of the icon that is displayed at the beginning of the button
- **action** (*T* <= *linebot.models.actions.Action*) – Action performed when this button is tapped
- **kwargs** –

**class** linebot.models.send\_messages.**Sender**(*name=None, icon\_url=None, \*\*kwargs*)

Bases: *Base*

Sender.

<https://developers.line.biz/en/reference/messaging-api/#icon-nickname-switch>

**\_\_init\_\_**(*name=None, icon\_url=None, \*\*kwargs*)

**\_\_init\_\_** method.

#### Parameters

- **name** (*str*) – Display name
- **icon\_url** (*str*) – Icon image URL

### 1.5.1.16 linebot.models.sources module

linebot.models.sources module.

**class** linebot.models.sources.**Source**(\*args, \*\*kwargs)

Bases: [Base](#)

Abstract Base Class of Source.

**\_\_init\_\_**(\*kwargs)

**\_\_init\_\_** method.

**Parameters**

**kwargs** –

**abstract property 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

**class** linebot.models.sources.**SourceUser**(\*args, \*\*kwargs)

Bases: [Source](#)

SourceUser.

<https://developers.line.biz/en/reference/messaging-api/#source-user>

JSON object which contains the source user of the event.

**\_\_init\_\_**(user\_id=None, \*\*kwargs)

**\_\_init\_\_** method.

**Parameters**

- **user\_id** (str) – ID of the source user

- **kwargs** –

**property sender\_id**

Alias of user\_id.

‘sender\_id’ is deprecated. Use ‘user\_id’ instead.

**Return type**

str

**class** linebot.models.sources.**SourceGroup**(\*args, \*\*kwargs)

Bases: [Source](#)

SourceGroup.

<https://developers.line.biz/en/reference/messaging-api/#source-group>

JSON object which contains the source group of the event.

**\_\_init\_\_**(group\_id=None, user\_id=None, \*\*kwargs)

**\_\_init\_\_** method.

**Parameters**

- **group\_id** (*str*) – ID of the source group
- **user\_id** (*str*) – ID of the source user
- **kwargs** –

**property sender\_id**

Alias of group\_id.

'sender\_id' is deprecated. Use 'group\_id' instead.

**Return type**

str

**class** linebot.models.sources.**SourceRoom**(\*args, \*\*kwargs)

Bases: [Source](#)

SourceRoom.

<https://developers.line.biz/en/reference/messaging-api/#source-room>

JSON object which contains the source room of the event.

**\_\_init\_\_** (*room\_id=None, user\_id=None, \*\*kwargs*)

**\_\_init\_\_** method.

**Parameters**

- **room\_id** (*str*) – ID of the source room
- **user\_id** (*str*) – ID of the source user
- **kwargs** –

**property sender\_id**

Alias of room\_id.

'sender\_id' is deprecated. Use 'room\_id' instead.

**Return type**

str

### 1.5.1.17 linebot.models.template module

linebot.models.template module.

**class** linebot.models.template.**TemplateSendMessage**(*alt\_text=None, template=None, \*\*kwargs*)

Bases: [SendMessage](#)

TemplateSendMessage.

<https://developers.line.biz/en/reference/messaging-api/#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\_\_** (*alt\_text=None, template=None, \*\*kwargs*)

**\_\_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.**Template**(\*\*kwargs)

Bases: *Base*

Abstract Base Class of Template.

**\_\_init\_\_**(\*\*kwargs)

**\_\_init\_\_** method.

**Parameters**

**kwargs** –

**class** linebot.models.template.**ButtonsTemplate**(text=None, title=None, thumbnail\_image\_url=None, image\_aspect\_ratio=None, image\_size=None, image\_background\_color=None, actions=None, default\_action=None, \*\*kwargs)

Bases: *Template*

ButtonsTemplate.

<https://developers.line.biz/en/reference/messaging-api/#buttons>

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

**\_\_init\_\_**(text=None, title=None, thumbnail\_image\_url=None, image\_aspect\_ratio=None, image\_size=None, image\_background\_color=None, actions=None, default\_action=None, \*\*kwargs)

**\_\_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
- **image\_aspect\_ratio** (str) – Aspect ratio of the image. Specify one of the following values: rectangle: 1.51:1 square: 1:1
- **image\_size** (str) – Size of the image. Specify cover or contain.
- **image\_background\_color** (str) – Background color of image. Specify a RGB color value.
- **actions** (list[T <= *linebot.models.actions.Action*]) – Action when tapped. Max: 4
- **default\_action** (T <= *linebot.models.actions.Action*) – Action when image is tapped; set for the entire image, title, and text area
- **kwargs** –

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

Bases: *Template*

ConfirmTemplate.



<https://developers.line.biz/en/reference/messaging-api/#confirm>

Template message with two action buttons.

```
__init__(text=None, actions=None, **kwargs)
```

`__init__` method.

#### Parameters

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

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

Bases: *Template*

CarouselTemplate.

<https://developers.line.biz/en/reference/messaging-api/#carousel>

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

```
__init__(columns=None, image_aspect_ratio=None, image_size=None, **kwargs)
```

`__init__` method.

#### Parameters

- **columns** (list[T <= *linebot.models.template.CarouselColumn*]) – Array of columns. Max: 10
- **image\_aspect\_ratio** (*str*) – Aspect ratio of the image. Specify rectangle or square.
- **image\_size** (*str*) – Size of the image. Specify cover or contain.
- **kwargs** –

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

Bases: *Template*

ImageCarouselTemplate.

<https://developers.line.biz/en/reference/messaging-api/#image-carousel>

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

```
__init__(columns=None, **kwargs)
```

`__init__` method.

#### Parameters

- **columns** (list[T <= *linebot.models.template.ImageCarouselColumn*]) – Array of columns. Max: 10
- **kwargs** –

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

Bases: *Base*

CarouselColumn.

<https://developers.line.biz/en/reference/messaging-api/#column-object>

```
__init__(text=None, title=None, thumbnail_image_url=None, image_background_color=None,
         actions=None, default_action=None, **kwargs)
```

`__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 ration is 1:1.51. Max width: 1024px, Max: 1 MB.
- **image\_background\_color** (*str*) – Background color of image. Specify a RGB color value.
- **actions** (list[T <= [linebot.models.actions.Action](#)]) – Action when tapped. Max: 3
- **default\_action** (T <= [linebot.models.actions.Action](#)) – Action when image is tapped; set for the entire image, title, and text area
- **kwargs** –

```
class linebot.models.template.ImageCarouselColumn(image_url=None, action=None, **kwargs)
```

Bases: [Base](#)

ImageCarouselColumn.

<https://developers.line.biz/en/reference/messaging-api/#column-object-for-image-carousel>

```
__init__(image_url=None, action=None, **kwargs)
```

`__init__` method.

#### Parameters

- **image\_url** (*str*) – Image URL (HTTPS). JPEG or PNG. Aspect ration is 1:1. Max width: 1024px, Max: 1 MB.
- **action** (T <= [linebot.models.actions.Action](#)) – Action when image is tapped. Max: 5.
- **kwargs** –

### 1.5.1.18 linebot.models.things module

linebot.models.things module.

```
class linebot.models.things.Things(*args, **kwargs)
```

Bases: [Base](#)

Abstract Base Class of Things.

```
__init__(device_id=None, **kwargs)
```

`__init__` method.

#### Parameters

- **device\_id** (*str*) – Device ID.

- **kwargs** –

**class** linebot.models.things.DeviceLink(\*args, \*\*kwargs)

Bases: *Things*

DeviceLink.

<https://developers.line.biz/en/reference/messaging-api/#device-link-event>

Indicates that a user linked a device with LINE.

**\_\_init\_\_**(device\_id=None, \*\*kwargs)

**\_\_init\_\_** method.

#### Parameters

- **device\_id** (*str*) – Device ID of the device that has been linked with LINE.
- **kwargs** –

**class** linebot.models.things.DeviceUnlink(\*args, \*\*kwargs)

Bases: *Things*

DeviceUnlink.

<https://developers.line.biz/en/reference/messaging-api/#device-unlink-event>

Indicates that the user unlinked a device from LINE.

**\_\_init\_\_**(device\_id=None, \*\*kwargs)

**\_\_init\_\_** method.

#### Parameters

- **device\_id** (*str*) – Device ID of the device that was unlinked from LINE.
- **kwargs** –

**class** linebot.models.things.ScenarioResult(\*args, \*\*kwargs)

Bases: *Things*

ScenarioResult.

<https://developers.line.biz/en/reference/messaging-api/#scenario-result-event>

Indicates that an automatic communication scenario has been executed.

**\_\_init\_\_**(device\_id=None, result=None, \*\*kwargs)

**\_\_init\_\_** method.

#### Parameters

- **device\_id** (*str*) – Device ID of the device that executed the scenario.
- **result** (*str*) – ScenarioResultPayload object.
- **kwargs** –

**class** linebot.models.things.ScenarioResultPayload(\*args, \*\*kwargs)

Bases: *Base*

ScenarioResultPayload.

**\_\_init\_\_**(*scenario\_id=None, revision=None, start\_time=None, result\_code=None, end\_time=None, action\_results=None, ble\_notification\_payload=None, error\_reason=None, \*\*kwargs*)  
\_\_init\_\_ method.

#### Parameters

- **scenario\_id** (*str*) – Scenario ID executed.
- **revision** (*long*) – Revision number.
- **start\_time** (*long*) – Timestamp for when execution of scenario action started (milliseconds).
- **end\_time** (*long*) – Timestamp for when execution of scenario was completed (milliseconds).
- **result\_code** (*str*) – Scenario execution completion status.
- **action\_results** (list[T <= [linebot.models.things.ActionResult](#)]) – Array of actions specified in a scenario.
- **ble\_notification\_payload** (*str*) – Data contained in notification.
- **error\_reason** (*str*) – Error response.
- **kwargs** –

**class** linebot.models.things.**ActionResult**(\*args, \*\*kwargs)

Bases: [Base](#)

ActionResult.

Execution result of individual operations specified in action

**\_\_init\_\_**(*type=None, data=None, \*\*kwargs*)  
\_\_init\_\_ method.

#### Parameters

- **type** (*str*) – Type of the executed action.
- **data** (*str*) – Base64-encoded binary data.
- **kwargs** –

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