
line-bot-sdk-python Documentation

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Contents:

LINEBOT PACKAGE

1.1 linebot.api module

linebot.api module.

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

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** ($T \leq \text{linebot.models.send_messages.SendMessage} \mid \text{list}[T \leq \text{linebot.models.send_messages.SendMessage}]$) – 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** ($T \leq \text{linebot.models.send_messages.SendMessage} \mid \text{list}[T \leq \text{linebot.models.send_messages.SendMessage}]$) – 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: 150 users
- **messages** ($T \leq \text{linebot.models.send_messages.SendMessage} \mid \text{list}[T \leq \text{linebot.models.send_messages.SendMessage}]$) – Messages. Max: 5
- **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

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(channel_secret)`

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`(*events=None, destination=None*)

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`(*channel_secret*)

Bases: object

Webhook Parser.

`__init__`(*channel_secret*)

`__init__` method.

Parameters

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

parse(*body, signature, as_payload=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.

Return type

list[T <= `linebot.models.events.Event`] | `linebot.webhook.WebhookPayload`

Returns

Events list, or `WebhookPayload` instance

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

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*)

Handle webhook.

Parameters

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

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**(*message=''*)

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)
```

Create a new instance from a dict.

Parameters

- **data** – JSON dict

```
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'*)

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

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

Parameters

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

Return type
object

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(mode=None, timestamp=None, source=None, webhook_event_id=None,
                                   delivery_context=None, **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(mode=None, timestamp=None, source=None,
                                           reply_token=None, message=None, **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, **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
- **kwargs** –

```
class linebot.models.events.FollowEvent(mode=None, timestamp=None, source=None,
                                           reply_token=None, **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(mode=None, timestamp=None, source=None, **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(mode=None, timestamp=None, source=None, reply_token=None,
                                     **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**(*mode=None, timestamp=None, source=None, **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**(*mode=None, timestamp=None, source=None, reply_token=None, postback=None, **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**(*mode=None, timestamp=None, source=None, reply_token=None, beacon=None, **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**(*mode=None, timestamp=None, source=None, reply_token=None, joined=None, **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**(*mode=None, timestamp=None, source=None, left=None, **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**(*mode=None, timestamp=None, source=None, reply_token=None, link=None, **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(mode=None, timestamp=None, source=None,
    reply_token=None, things=None, **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>

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(mode=None, timestamp=None, source=None, unsend=None,
    **kwargs)
```

Bases: [Event](#)

Webhook UnsendEvent.

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

Event object for when the user unsend 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(mode=None, timestamp=None, source=None,
                                                    reply_token=None, video_play_complete=None,
                                                    **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.Postback(data=None, params=None, **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**(*type=None, hwid=None, dm=None, **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**(*members=None, **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**(*members=None, **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**(*result=None, nonce=None, **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(id=None, **kwargs)
```

Bases: *Base*

Abstract Base Class of Message.

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

__init__ method.

Parameters

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

```
class linebot.models.messages.TextMessage(id=None, text=None, emojis=None, mention=None, **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(id=None, content_provider=None, image_set=None,
**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(id=None, duration=None, content_provider=None,
**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(id=None, duration=None, content_provider=None,
**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**(*id=None, title=None, address=None, latitude=None, longitude=None, **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**(*id=None, package_id=None, sticker_id=None, sticker_resource_type=None, keywords=None, text=None, **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**(*id=None, file_name=None, file_size=None, **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**(*type=None, original_content_url=None, preview_image_url=None, **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**(*id=None, index=None, total=0, **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.**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**(**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**(user_id=None, **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**(group_id=None, user_id=None, **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**(*room_id=None, user_id=None, **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(device_id=None, **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**(*device_id=None, **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**(*device_id=None, **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**(*device_id=None, result=None, **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**(*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*)

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(type=None, data=None, **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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