
Weverse

MujyKun

Jul 06, 2021

CONTENTS:

1	WeverseClient	1
2	Clients	5
2.1	WeverseClientSync	5
2.2	WeverseClientAsync	7
3	Models	11
3.1	Community	11
3.2	Notification	12
3.3	Photo	14
3.4	Video	15
3.5	Artist	16
3.6	Comment	18
3.7	Post	19
3.8	Tab	22
3.9	Media	22
4	Model Creation	25
5	Exceptions	27
5.1	Invalid Token	27
5.2	Page Not Found	27
5.3	Being Rate Limited	27
6	Get Account Token	29
7	Asynchronous Usage	31
8	Synchronous Usage	33
9	Indices and tables	35
	Python Module Index	37
	Index	39

WEVERSECLIENT

```
class Weverse.WeverseClient(**kwargs)
```

Abstract & Parent Client for connecting to Weverse and creating the internal cache.

Do not create an object directly from this class. Instead, create a [Weverse.WeverseClientSync](#) or [Weverse.WeverseClientAsync](#) object since those are concrete.

Parameters

- **verbose** (*bool*) – Whether to print out verbose messages.
- **web_session** – An aiohttp or requests client session.
- **token** – The account token to connect to the Weverse API. In order to find your token, please refer to [Get Account Token](#)

verbose

Whether to print out verbose messages.

Type bool

web_session

An aiohttp or requests client session.

user_notifications

Most recent notifications of the account connected.

Type list

api_url

URL to connect to the API

Type str

api_communities_url

Endpoint for communities

Type str

api_notifications_url

Endpoint for user notifications

Type str

api_new_notifications_url

Endpoint for checking new user notifications

Type str

api_all_artist_posts_url

Endpoint for getting the Artist Feed from a community

Type str

api_artist_to_fans

part of the endpoint (NOT FULL) for viewing the tofans posts.

Type str

api_all_communities_info_url

Endpoint for information about ALL communities and ALL idols.

Type str

cache_loaded

Whether the Internal Weverse Cache is fully loaded. This will change for a split moment when grabbing a new post.

Type bool

new_media

We do not store ALL old media objects as cache, so only when there are new media, we store it

Type list(*Media*)

user_endpoint

User info endpoint.

Type str

all_posts

All posts in cache where the Post ID is the key and the value is the Post Object

Type dict(*Post*)

all_artists

All artists in cache where the Artist ID is the key and the value is the Artist Object

Type dict(*Artist*)

all_comments

All comments in cache where the Comment ID is the key and the value is the Comment Object

Type dict(*Comment*)

all_notifications

All notifications in cache where the Notification ID is the key and the value is the Notification Object

Type dict(*Notification*)

all_photos

All photos in cache where the Photo ID is the key and the value is the Photo Object

Type dict(*Photo*)

all_communities

All communities in cache where the Community ID is the key and the value is the Community Object

Type dict(*Community*)

all_media

All media in cache where the Media ID is the key and the value is the Media Object

Type dict(*Media*)

all_tabs

All tabs in cache where the Tab ID is the key and the value is the Tab Object

Type dict(*Tab*)

all_videos

All videos in cache where the Video URL is the key and the value is the Video Object

Type dict(*Video*)

check_status(*status*, *url*) → bool

Confirm the status of a URL

Parameters

- **status** – Status code of url connection
- **url** – Link that we connected to.

Returns True if the connection was a success.

Raises *Invalid Token* if there was an invalid token.

static determine_notification_type(*notification_body*) → str

Determine the post type based on the notification body.

Since notifications do not differentiate between Posts and Comments, this is for that purpose.

Parameters **notification_body** – The body of the notification.

Returns A string with either “comment”, “media”, or “post”

get_artist_by_id(*artist_id*) → *Weverse.models.artist.Artist*

Get artist by their ID.

Parameters **artist_id** – The artist’s ID

Returns *Artist* or NoneType

get_comment_by_id(*comment_id*) → *Weverse.models.comment.Comment*

Get a comment by the ID :param comment_id: Comment ID :returns: *Comment* or NoneType

get_community_by_id(*community_id*) → *Weverse.models.community.Community*

Get a community by the ID.

Parameters **community_id** – Community ID

Returns *Community* or NoneType

get_media_by_id(*media_id*) → *Weverse.models.media.Media*

Get Media by the ID

Parameters **media_id** – Media ID

Returns *Media* or NoneType

get_notification_by_id(*notification_id*) → *Weverse.models.notification.Notification*

Get a notification by the ID

Parameters **notification_id** – Notification ID

Returns *Notification* or NoneType

get_photo_by_id(*photo_id*) → *Weverse.models.photo.Photo*

Get a photo by the ID

Parameters **photo_id** – Photo ID

Returns *Photo* or NoneType

get_post_by_id(*post_id*) → *Weverse.models.post.Post*

Get a post by the ID

Parameters `post_id` – Post ID

Returns `Post` or `NoneType`

get_tab_by_id(`tab_id`) → *Weverse.models.tab.Tab*

Get tab by their ID.

Parameters `tab_id` – The tab ID

Returns `Tab` or `NoneType`

get_video_by_url(`video_url`) → *Weverse.models.video.Video*

Get a video by the direct URL.

Parameters `video_url` – URL of the video

Returns `Video` or `NoneType`

static process_community_artists_and_tabs(`community`, `response_text_as_dict`)

Process the community artists and tabs and add them to their respective communities.

Parameters

- **community** – Community object
- **response_text_as_dict** – Response text of connection to endpoint but as a dict.

2.1 WeverseClientSync

class Weverse.**WeverseClientSync**(**kwargs)

Synchronous Weverse Client that Inherits from *WeverseClient*.

Parameters **kwargs** – Same as *WeverseClient*.

Attributes are the same as *WeverseClient*.

check_new_user_notifications()

Checks if there is a new user notification, updates the cache, and returns if there was.

Returns (bool) Whether there is a new notification.

check_token_works()

Check if a token is invalid.

Returns (bool) True if the token works.

create_communities()

Get and Create the communities the logged in user has access to.

create_community_artists_and_tabs()

Create the community artists and tabs and add them to their respective communities.

create_post(community: *Weverse.models.community.Community*, post_id) → *Weverse.models.post.Post*

Create a post and update the cache with it. This is meant for an individual post.

Parameters

- **community** – *Community* the post was created under.
- **post_id** – The id of the post we are needing to fetch.

create_posts(community: *Weverse.models.community.Community*, next_page_id: *Optional[int] = None*)

Paginate through a community's posts and add it to object cache.

Parameters

- **community** – *Community* the posts exist under.
- **next_page_id** (*[OPTIONAL]*) – Next Page ID (Weverse paginates posts).

fetch_artist_comments(community_id, post_id)

Fetches the artist comments on a post.

Parameters

- **community_id** – Community ID the post is on.

- **post_id** – Post ID to fetch the artist comments of.

Returns List[[Comment](#)]

fetch_comment_body(*community_id, comment_id*)

Fetches a comment from its ID.

Parameters

- **community_id** – The ID of the community the comment belongs to.
- **comment_id** – The ID of the comment to fetch.

Returns (str) Body of the comment.

fetch_media(*community_id, media_id*)

Receive media object based on media id.

Parameters

- **community_id** – The ID of the community the media belongs to.
- **media_id** – The ID of the media to fetch.

Returns [Media](#) or NoneType

get_user_notifications()

Get a list of updated user notification objects.

Returns List[[Notification](#)]

start(*create_old_posts=True, create_notifications=True*)

Creates internal cache.

This is the main process that should be run.

Parameters

- **create_old_posts** – (bool) Whether to create cache for old posts.
- **create_notifications** – (bool) Whether to create/update cache for old notifications.

Raises [Weverse.error.InvalidToken](#)

Raises [Weverse.error.BeingRateLimited](#)

translate(*post_or_comment_id, is_post=False, is_comment=False, p_obj=None, community_id=None*)

Translates a post or comment, must set post or comment to True.

Parameters

- **post_or_comment_id** – A post or comment ID.
- **is_post** ([*OPTIONAL*]) – If we passed in a post.
- **is_comment** ([*OPTIONAL*]) – If we passed in a comment
- **p_obj** ([*OPTIONAL*]) – The object we are looking to translate
- **community_id** ([*OPTIONAL*]) – The community id the post/comment was made under.

Returns (str) Translated message or NoneType

update_cache_from_notification()

Grab a new post based from a notification and add it to cache.

2.2 WeverseClientAsync

class Weverse.**WeverseClientAsync**(*loop=<_UnixSelectorEventLoop running=False closed=False debug=False>, **kwargs*)

Asynchronous Weverse Client that Inherits from *WeverseClient*.

Parameters

- **loop** – Asyncio Event Loop
- **kwargs** – Same as Weverse.

loop

Asyncio Event Loop

Attributes are the same as :ref:`WeverseClient`.

async check_new_user_notifications() → bool

Checks if there is a new user notification, updates the cache, and returns if there was.

This is a coroutine and must be awaited.

Returns (bool) Whether there is a new notification.

async check_token_works() → bool

Check if a token is invalid.

This is a coroutine and must be awaited.

Returns (bool) True if the token works.

async create_communities()

Get and Create the communities the logged in user has access to.

This is a coroutine and must be awaited.

async create_community_artists_and_tabs()

Create the community artists and tabs and add them to their respective communities.

This is a coroutine and must be awaited.

async create_post(*community: Weverse.models.community.Community, post_id*) → *Weverse.models.post.Post*

Create a post and update the cache with it. This is meant for an individual post.

This is a coroutine and must be awaited.

Parameters

- **community** – *Community* the post was created under.
- **post_id** – The id of the post we are needing to fetch.

async create_posts(*community: Weverse.models.community.Community, next_page_id: Optional[int] = None*)

Paginate through a community's posts and add it to object cache.

This is a coroutine and must be awaited.

Parameters

- **community** – *Community* the posts exist under.
- **next_page_id** ([OPTIONAL]) – Next Page ID (Weverse paginates posts).

async fetch_artist_comments(*community_id, post_id*)

Fetches the artist comments on a post.

This is a coroutine and must be awaited.

Parameters

- **community_id** – Community ID the post is on.
- **post_id** – Post ID to fetch the artist comments of.

Returns List[[Comment](#)]

async fetch_comment_body(*community_id, comment_id*)

Fetches a comment from its ID.

This is a coroutine and must be awaited.

Parameters

- **community_id** – The ID of the community the comment belongs to.
- **comment_id** – The ID of the comment to fetch.

Returns (str) Body of the comment.

async fetch_media(*community_id, media_id*)

Receive media object based on media id.

This is a coroutine and must be awaited.

Parameters

- **community_id** – The ID of the community the media belongs to.
- **media_id** – The ID of the media to fetch.

Returns [Media](#) or NoneType

async get_user_notifications()

Get a list of updated user notification objects.

This is a coroutine and must be awaited.

Returns List[[Notification](#)]

async start(*create_old_posts=True, create_notifications=True*)

Creates internal cache.

This is the main process that should be run.

This is a coroutine and must be awaited.

Parameters

- **create_old_posts** – (bool) Whether to create cache for old posts.
- **create_notifications** – (bool) Whether to create/update cache for old notifications.

Raises [Weverse.error.InvalidToken](#)

Raises [Weverse.error.BeingRateLimited](#)

async translate(*post_or_comment_id, is_post=False, is_comment=False, p_obj=None, community_id=None*)

Translates a post or comment, must set post or comment to True.

This is a coroutine and must be awaited.

Parameters

- **post_or_comment_id** – A post or comment ID.
- **is_post** (*[OPTIONAL]*) – If we passed in a post.
- **is_comment** (*[OPTIONAL]*) – If we passed in a comment
- **p_obj** (*[OPTIONAL]*) – The object we are looking to translate
- **community_id** (*[OPTIONAL]*) – The community id the post/comment was made under.

Returns (str) Translated message or NoneType

async update_cache_from_notification()

Grab a new post based from a notification and add it to cache.

This is a coroutine and must be awaited.

3.1 Community

class Weverse.models.Community(**kwargs)

A Comment object that represents a Weverse Comment that belongs to an Artist.

It is not suggested to create a Comment manually, but rather through the following method: [Weverse.objects.create_comment_objects](#)

The information retrieved on a Comment is directly from the Weverse API and altered to fit this class.

Parameters

- **id** (int) – The Community ID.
- **name** (str) – The Community Name.
- **description** (str) – Description of the Community.
- **member_count** (int) – Amount of members in the community.
- **home_banner** (str) – Direct Image URL to the home banner.
- **icon** (str) – Direct Image URL to the Icon.
- **Banner** (str) – Direct Image URL to the Banner.
- **full_name** (str) – Full Name of the Community.
- **fc_member** (bool) – If a special membership is required to join.
- **show_member_count** (bool) – If the member count is visible.

id

The Community ID.

Type int

name

The Community Name.

Type str

description

Description of the Community.

Type str

member_count

Amount of members in the community.

Type int

home_banner
Direct Image URL to the home banner.

Type str

icon
Direct Image URL to the Icon.

Type str

Banner
Direct Image URL to the Banner.

Type str

full_name
Full Name of the Community.

Type str

fc_member
If a special membership is required to join.

Type bool

show_member_count
If the member count is visible.

Type bool

artists
List of artists the community has.

Type List[[Artist](#)]

tabs
The Tabs the community has.

Type List[[Tab](#)]

3.2 Notification

class Weverse.models.**Notification**(***kwargs*)
A Media object that represents a Weverse Media Post.

It is not suggested to create a Notification object manually, but rather through the following method: [Weverse.objects.create_notification_objects](#)

The information retrieved on a Notification is directly from the Weverse API and altered to fit this class.

Parameters

- **id** (*int*) – The id of the notification.
- **message** (*str*) – The message of the notification.
- **bold_element** (*str*) – The bolded element in the notification.
- **community_id** (*int*) – The community id associated with the notification.
- **community_name** (*str*) – The community name associated with the notification.
- **contents_type** (*str*) – The type of post it is.

- **contents_id** (*int*) – The id of the content post.
- **notified_at** – The time the notification was triggered.
- **icon_image_url** (*str*) – Icon image url of the notification.
- **thumbnail_image_url** (*str*) – Thumbnail url of the notification.
- **artist_id** (*int*) – The ID of the Artist that released the content.
- **is_membership_content** (*bool*) – If the content is exclusive to members.
- **is_web_only** (*bool*) – Whether the notification is only available directly on the website.
- **platform** (*str*) – The platform of the notification.

id

The id of the notification.

Type int

message

The message of the notification.

Type str

bold_element

The bolded element in the notification.

Type str

community_id

The community id associated with the notification.

Type int

community_name

The community name associated with the notification.

Type str

contents_type

The type of post it is.

Type str

contents_id

The id of the content post.

Type int

notified_at

The time the notification was triggered.

icon_image_url

Icon image url of the notification.

Type str

thumbnail_image_url

Thumbnail url of the notification.

Type str

artist_id

The ID of the Artist that released the content.

Type int

is_membership_content

If the content is exclusive to members.

Type bool

is_web_only

Whether the notification is only available directly on the website.

Type bool

platform

The platform of the notification.

Type str

3.3 Photo

class Weverse.models.Photo(**kwargs)

A Photo object that represents a Weverse Photo that belongs to media or a post.

It is not suggested to create a Photo manually, but rather through the following method: [Weverse.objects.create_photo_objects](#)

The information retrieved on a Photo is directly from the Weverse API and altered to fit this class.

Parameters

- **id** (*int*) – The ID of the photo.
- **content_index** (*int*) – Index the photo is in from a bundle of photos.
- **thumbnail_img_url** (*str*) – The thumbnail image link.
- **thumbnail_img_width** (*str*) – The original image width.
- **thumbnail_img_height** (*str*) – The thumbnail image height.
- **original_img_url** (*str*) – The original image link.
- **original_img_width** (*str*) – The original image width.
- **original_img_height** (*str*) – The original image height.
- **file_name** (*str*) – File name of the photo.

id

The ID of the photo.

Type int

content_index

Index the photo is in from a bundle of photos.

Type int

thumbnail_img_url

The thumbnail image link.

Type str

thumbnail_img_width

The original image width.

Type str

thumbnail_img_height
The thumbnail image height.
Type str

original_img_url
The original image link.
Type str

original_img_width
The original image width.
Type str

original_img_height
The original image height.
Type str

file_name
File name of the photo.
Type str

post
The Post Object the photo belongs to.
Type *Post*

3.4 Video

class Weverse.models.Video(**kwargs)

A Video object that represents a Weverse Video that belongs to media or a post.

It is not suggested to create a Video manually, but rather through the following method: [Weverse.objects.create_video_objects](#)

The information retrieved on a Video is directly from the Weverse API and altered to fit this class.

Videos do not have unique IDs.

Parameters

- **video_url** (*int*) – Direct URL to the video.
- **thumbnail_url** (*str*) – URL of the thumbnail.
- **thumbnail_width** (*int*) – Width of the thumbnail
- **thumbnail_height** (*int*) – Height of the thumbnail.
- **length** (*int*) – Duration of the video in seconds.

video_url
Direct URL to the video.

Type int

thumbnail_url
URL of the thumbnail.

Type str

thumbnail_width
Width of the thumbnail
Type int

thumbnail_height
Height of the thumbnail.
Type int

length
Duration of the video in seconds.
Type int

post
The Post Object the video belongs to.
Type *Post*

3.5 Artist

class Weverse.models.**Artist**(**kwargs)

An Artist object that represents a Weverse Artist that belongs in a community.

It is not suggested to create an Artist manually, but rather through the following method: *Weverse.objects.create_artist_objects*

The information retrieved on an Artist is directly from the Weverse API and altered to fit this class.

Parameters

- **id** (int) – The Artist ID.
- **community_user_id** (int) – Artist’s ID in the community.
- **name** (str) – The Primary Artist Name.
- **list_name** (list) – A list of names for the Artist.
- **is_online** (bool) – Whether the Artist is currently online
- **profile_nick_name** (str) – Artist nickname.
- **profile_img_path** (str) – Image URL for the Artist’s profile.
- **is_birthday** (bool) – Whether it is the Artist’s birthday.
- **group_name** (str) – The group name the Artist is associated with.
- **max_comment_count** (int) – The maximum amount of comments this Artist can post.
- **community_id** (int) – The ID of the community this Artist object was selected from.
- **is_enabled** (bool) – If the Artist account is enabled.
- **has_new_to_fans** (bool) – If the Artist has a new post for fans.
- **has_new_private_to_fans** (bool) – If the Artist has a new private post for fans.
- **to_fan_last_id** (int) – The latest tofan post ID.
- **to_fan_last_created_at** – When the artist’s last tofan post was created.
- **to_fan_last_expire_in** – When the artist’s last tofan post expires.

- **birthday_img_url** (str) – A direct image url to the artist’s birthday image.
- **community** ([Community](#)) – The community the Artist is in.
- **posts** (list) – A list of posts the Artist has.

id

The Artist ID.

Type int

community_user_id

Artist’s ID in the community.

Type int

name

The Primary Artist Name.

Type str

list_name

A list of names for the Artist.

Type list

is_online

Whether the Artist is currently online

Type bool

profile_nick_name

Artist nickname.

Type str

profile_img_path

Image URL for the Artist’s profile.

Type str

is_birthday

Whether it is the Artist’s birthday.

Type bool

group_name

The group name the Artist is associated with.

Type str

max_comment_count

The maximum amount of comments this Artist can post.

Type int

community_id

The ID of the community this Artist object was selected from.

Type int

is_enabled

If the Artist account is enabled.

Type bool

has_new_to_fans

If the Artist has a new post for fans.

Type bool

has_new_private_to_fans

If the Artist has a new private post for fans.

Type bool

to_fan_last_id

The latest tofan post ID.

Type int

to_fan_last_created_at

When the artist's last tofan post was created.

to_fan_last_expire_in

When the artist's last tofan post expires.

birthday_img_url

A direct image url to the artist's birthday image.

Type str

community

The community the Artist is in.

Type *Community*

posts

A list of posts the Artist has.

Type list

3.6 Comment

class Weverse.models.**Comment**(**kwargs)

A Comment object that represents a Weverse Comment that belongs to an Artist.

It is not suggested to create a Comment manually, but rather through the following method: *Weverse.objects.create_comment_objects*

The information retrieved on a Comment is directly from the Weverse API and altered to fit this class.

Parameters

- **id** (int) – The ID of the comment.
- **body** (str) – The comment content AKA the body of the message.
- **comment_count** (int) – Amount of comments inside of this comment (replies).
- **like_count** (int) – Amount of likes on the comment.
- **has_my_like** (bool) – Whether the client has liked the comment.
- **is_blind** (bool) – NOT SURE WHAT THIS IS
- **post_id** (int) – The Post ID that the comment was created under.
- **created_at** – The time the comment was created.
- **updated_at** – The time the comment was updated.

id
The ID of the comment.
Type int

body
The comment content AKA the body of the message.
Type str

comment_count
Amount of comments inside of this comment (replies).
Type int

like_count
Amount of likes on the comment.
Type int

has_my_like
Whether the client has liked the comment.
Type bool

is_blind
NOT SURE WHAT THIS IS
Type bool

post_id
The Post ID that the comment was created under.
Type int

created_at
The time the comment was created.

updated_at
The time the comment was updated.

post
The Post Object the comment belongs to.
Type *Post*

3.7 Post

class Weverse.models.Post(**kwargs)

A Post object that represents a Weverse Post.

It is not suggested to create a Post manually, but rather through the following method: [Weverse.objects.create_post_objects](#)

The information retrieved on a Post is directly from the Weverse API and altered to fit this class.

Parameters

- **id** (*int*) – The ID of the post.
- **community_tab_id** (*int*) – The tab the post is under.
- **type** (*str*) – The type of Post.

- **body** (*str*) – Body Message on the Post.
- **comment_count** (*int*) – Current amount of comments on the Post
- **like_count** (*int*) – Current amount of likes on the Post
- **max_comment_count** (*int*) – Maximum amount of comments that can be on the Post
- **has_my_like** (*bool*) – If the client user has the post liked.
- **has_my_bookmark** (*bool*) – If the client user has the post bookmarked.
- **created_at** – When the post was created
- **updated_at** – When the post was last modified.
- **is_locked** (*bool*) – Whether the post is locked.
- **is_blind** (*bool*) – Whether the post is visible?? Unknown
- **is_active** (*bool*) – Whether the post is active.
- **is_private** (*bool*) – Whether the post is private.
- **photos** (List[*Photo*]) – A list of photos under the post.
- **videos** (List[*Video*]) – A list of videos under the post.
- **is_hot_trending_post** (*bool*) – If the post is trending.
- **is_limit_comment** (*bool*) – If the comments are limited.
- **artist_comments** (List[*Comment*]) – The Artist comments under the post.
- **community_artist_id** (*int*) – The Community Artist ID that made the post.
- **artist_id** (*int*) – The ID of the Artist that made the post.

id

The ID of the post.

Type int

community_tab_id

The tab the post is under.

Type int

type

The type of Post.

Type str

body

Body Message on the Post.

Type str

comment_count

Current amount of comments on the Post

Type int

like_count

Current amount of likes on the Post

Type int

max_comment_count
Maximum amount of comments that can be on the Post
Type int

has_my_like
If the client user has the post liked.
Type bool

has_my_bookmark
If the client user has the post bookmarked.
Type bool

created_at
When the post was created

updated_at
When the post was last modified.

is_locked
Whether the post is locked.
Type bool

is_blind
Whether the post is visible?? Unknown
Type bool

is_active
Whether the post is active.
Type bool

is_private
Whether the post is private.
Type bool

photos
A list of photos under the post.
Type List[*Photo*]

videos
A list of videos under the post.
Type List[*Video*]

is_hot_trending_post
If the post is trending.
Type bool

is_limit_comment
If the comments are limited.
Type bool

artist_comments
The Artist comments under the post.
Type List[*Comment*]

community_artist_id

The Community Artist ID that made the post.

Type `int`

artist_id

The ID of the Artist that made the post.

Type `int`

artist

The Artist Object the post belongs to.

Type `Artist`

3.8 Tab

class `Weverse.models.Tab(tab_id=None, name=None)`

A Post object that represents a Weverse Post.

It is not suggested to create a Post manually, but rather through the following method: [`Weverse.objects.create_post_objects`](#)

The information retrieved on a Post is directly from the Weverse API and altered to fit this class.

Parameters

- **tab_id** (*[Optional]* `int`) – The ID of the Tab.
- **name** (*[Optional]* `str`) – The Tab name.

id

The ID of the Tab.

Type `int`

name

The Tab name.

Type `str`

3.9 Media

class `Weverse.models.Media(**kwargs)`

A Media object that represents a Weverse Media Post.

It is not suggested to create a Media object manually, but rather through the following method: [`Weverse.objects.create_media_object`](#)

The information retrieved on Media is directly from the Weverse API and altered to fit this class.

Parameters

- **id** (`int`) – ID of the Media post.
- **community_id** (`int`) – ID of the Community the media post was made in.
- **body** (`str`) – The media content AKA the body of the message.
- **type** (`str`) – The type of media post it is.

- **thumbnail_path** (*str*) – The (url??) of the thumbnail.
- **title** (*str*) – The title of the media post.
- **level** – The level of access the media post is categorized under.
- **video_link** (*str*) – The video link supplied under the media post.
- **youtube_id** (*str*) – The youtube video ID.

id

ID of the Media post.

Type int

community_id

ID of the Community the media post was made in.

Type int

body

The media content AKA the body of the message.

Type str

type

The type of media post it is.

Type str

thumbnail_path

The (url??) of the thumbnail.

Type str

title

The title of the media post.

Type str

level

The level of access the media post is categorized under.

video_link

The video link supplied under the media post.

Type str

youtube_id

The youtube video ID.

Type str

MODEL CREATION

`Weverse.objects.create_artist_objects(current_artists: list) → list`

Creates artist objects based on a list of information sent in and returns the objects.

Parameters `current_artists` – Artist information received from endpoint.

Returns `List[Artist]`

`Weverse.objects.create_comment_objects(current_comments: list) → list`

Creates & Returns comment objects based on a list of comments

Parameters `current_comments` – comment information from endpoint.

Returns `List[Comment]`

`Weverse.objects.create_community_objects(current_communities: list) → dict`

Creates community objects based on a list of information sent in and returns the objects.

Parameters `current_communities` – Community information received from endpoint.

Returns `dict{community id: Community}`

`Weverse.objects.create_media_object(media_info: dict) → Weverse.models.media.Media`

Creates and returns a media object

Parameters `media_info` – media information from endpoint.

Returns `Media`

`Weverse.objects.create_notification_objects(current_notifications: list) → list`

Creates notification objects based on a list of information sent in and returns the objects.

Parameters `current_notifications` – Notification information received from endpoint.

Returns `List[Notification]`

`Weverse.objects.create_photo_objects(current_photos: list) → list`

Creates & Returns photo objects based on a list of photos

Parameters `current_photos` – photo information from endpoint.

Returns `List[Photo]`

`Weverse.objects.create_post_objects(current_posts: list, community:`

`Weverse.models.community.Community, new=False) → list`

Creates post objects based on a list of posts sent in and the community and returns the objects.

Parameters

- **current_posts** – Post information received from endpoint.
- **community** – `Community` that the post belongs in.

- **new** – bool Whether or not the post is new.

Returns List[*Post*]

`Weverse.objects.create_tab_objects(current_tabs: list) → list`

Creates tab objects based on a list of information sent in and returns the objects.

Parameters **current_tabs** – Tab information received from endpoint.

Returns List[*Tab*]

`Weverse.objects.create_video_objects(current_videos: list) → list`

Creates & Returns video objects based on a list of videos.

Parameters **current_videos** – Video information from api endpoint.

Returns List[*Video*]

EXCEPTIONS

5.1 Invalid Token

exception `Weverse.InvalidToken`

An Exception Raised When an Invalid Token was Supplied.

5.2 Page Not Found

exception `Weverse.PageNotFound(url)`

An Exception Raised When a link was not found.

Parameters `url` (str) – The link that was not found.

5.3 Being Rate Limited

exception `Weverse.BeingRateLimited`

An Exception Raised When Weverse Is Being Rate-Limited.

GET ACCOUNT TOKEN

Your account token is needed (Will need to be updated about every 6 months iirc).

In order to get your account token, go to <https://www.weverse.io/> and Inspect Element (F12).

Then go to the *Network* tab and filter by *XHR*.

Then refresh your page (F5) and look for *info* or *me* under *XHR*.

Under Headers, scroll to the bottom and view the request headers.

You want to copy everything past *authorization: Bearer*.

For example, you may see (This is just an example):

`authorization: Bearer ABCDEFGHIJKLMNOPQRSTUVWXYZ`

Then `ABCDEFGHIJKLMNOPQRSTUVWXYZ` would be your auth token for Weverse.

It is suggested to have the auth token as an environment variable.

ASYNCHRONOUS USAGE

```
# Asynchronous
import asyncio
import aiohttp
from Weverse.error import InvalidToken
from Weverse.weverseasync import WeverseClientAsync

# THERE IS A MORE DETAILED EXAMPLE IN THE EXAMPLES FOLDER
# https://github.com/MujyKun/Weverse/blob/main/examples/asynchronous.py

token = "fake_token" # REQUIRED
# It is advised to pass in your own web session as it is not closed in Weverse
web_session = aiohttp.ClientSession()
weverse_client = WeverseClientAsync(authorization=token, verbose=True, loop=asyncio.get_
↳ event_loop(), web_session=web_session)
try:
    await weverse_client.start() # creates all the cache needed for your account.
except InvalidToken:
    print("Invalid Token")
```


SYNCHRONOUS USAGE

```
# Synchronous
import requests
from Weverse.weversesync import WeverseClientSync
from Weverse.error import InvalidToken

# THERE IS A MORE DETAILED EXAMPLE IN THE EXAMPLES FOLDER
# https://github.com/MujoyKun/Weverse/blob/main/examples/synchronous.py

token = "fake_token" # REQUIRED
# It is advised to pass in your own web session as it is not closed in Weverse
web_session = requests.Session() # A session is created by default
weverse_client = WeverseClientSync(authorization=token, verbose=True)
try:
    weverse_client.start() # creates all the cache needed for your account.
except InvalidToken:
    print("Invalid Token")
```


INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

PYTHON MODULE INDEX

W

Weverse.objects, [25](#)

A

[all_artists](#) (*Weverse.WeverseClient* attribute), 2
[all_comments](#) (*Weverse.WeverseClient* attribute), 2
[all_communities](#) (*Weverse.WeverseClient* attribute), 2
[all_media](#) (*Weverse.WeverseClient* attribute), 2
[all_notifications](#) (*Weverse.WeverseClient* attribute), 2
[all_photos](#) (*Weverse.WeverseClient* attribute), 2
[all_posts](#) (*Weverse.WeverseClient* attribute), 2
[all_tabs](#) (*Weverse.WeverseClient* attribute), 2
[all_videos](#) (*Weverse.WeverseClient* attribute), 2
[api_all_artist_posts_url](#) (*Weverse.WeverseClient* attribute), 1
[api_all_communities_info_url](#) (*Weverse.WeverseClient* attribute), 2
[api_artist_to_fans](#) (*Weverse.WeverseClient* attribute), 2
[api_communities_url](#) (*Weverse.WeverseClient* attribute), 1
[api_new_notifications_url](#) (*Weverse.WeverseClient* attribute), 1
[api_notifications_url](#) (*Weverse.WeverseClient* attribute), 1
[api_url](#) (*Weverse.WeverseClient* attribute), 1
[Artist](#) (class in *Weverse.models*), 16
[artist](#) (*Weverse.models.Post* attribute), 22
[artist_comments](#) (*Weverse.models.Post* attribute), 21
[artist_id](#) (*Weverse.models.Notification* attribute), 13
[artist_id](#) (*Weverse.models.Post* attribute), 22
[artists](#) (*Weverse.models.Community* attribute), 12

B

[Banner](#) (*Weverse.models.Community* attribute), 12
[BeingRateLimited](#), 27
[birthday_img_url](#) (*Weverse.models.Artist* attribute), 18
[body](#) (*Weverse.models.Comment* attribute), 19
[body](#) (*Weverse.models.Media* attribute), 23
[body](#) (*Weverse.models.Post* attribute), 20
[bold_element](#) (*Weverse.models.Notification* attribute), 13

C

[cache_loaded](#) (*Weverse.WeverseClient* attribute), 2
[check_new_user_notifications\(\)](#) (*Weverse.WeverseClientAsync* method), 7
[check_new_user_notifications\(\)](#) (*Weverse.WeverseClientSync* method), 5
[check_status\(\)](#) (*Weverse.WeverseClient* method), 3
[check_token_works\(\)](#) (*Weverse.WeverseClientAsync* method), 7
[check_token_works\(\)](#) (*Weverse.WeverseClientSync* method), 5
[Comment](#) (class in *Weverse.models*), 18
[comment_count](#) (*Weverse.models.Comment* attribute), 19
[comment_count](#) (*Weverse.models.Post* attribute), 20
[Community](#) (class in *Weverse.models*), 11
[community](#) (*Weverse.models.Artist* attribute), 18
[community_artist_id](#) (*Weverse.models.Post* attribute), 21
[community_id](#) (*Weverse.models.Artist* attribute), 17
[community_id](#) (*Weverse.models.Media* attribute), 23
[community_id](#) (*Weverse.models.Notification* attribute), 13
[community_name](#) (*Weverse.models.Notification* attribute), 13
[community_tab_id](#) (*Weverse.models.Post* attribute), 20
[community_user_id](#) (*Weverse.models.Artist* attribute), 17
[content_index](#) (*Weverse.models.Photo* attribute), 14
[contents_id](#) (*Weverse.models.Notification* attribute), 13
[contents_type](#) (*Weverse.models.Notification* attribute), 13
[create_artist_objects\(\)](#) (in module *Weverse.objects*), 25
[create_comment_objects\(\)](#) (in module *Weverse.objects*), 25
[create_communities\(\)](#) (*Weverse.WeverseClientAsync* method), 7
[create_communities\(\)](#) (*Weverse.WeverseClientSync* method), 5
[create_community_artists_and_tabs\(\)](#) (*Weverse.WeverseClientAsync* method), 7

create_community_artists_and_tabs() (Weverse.WeverseClientSync method), 5
 create_community_objects() (in module Weverse.objects), 25
 create_media_object() (in module Weverse.objects), 25
 create_notification_objects() (in module Weverse.objects), 25
 create_photo_objects() (in module Weverse.objects), 25
 create_post() (Weverse.WeverseClientAsync method), 7
 create_post() (Weverse.WeverseClientSync method), 5
 create_post_objects() (in module Weverse.objects), 25
 create_posts() (Weverse.WeverseClientAsync method), 7
 create_posts() (Weverse.WeverseClientSync method), 5
 create_tab_objects() (in module Weverse.objects), 26
 create_video_objects() (in module Weverse.objects), 26
 created_at (Weverse.models.Comment attribute), 19
 created_at (Weverse.models.Post attribute), 21

D

description (Weverse.models.Community attribute), 11
 determine_notification_type() (Weverse.WeverseClient static method), 3

F

fc_member (Weverse.models.Community attribute), 12
 fetch_artist_comments() (Weverse.WeverseClientAsync method), 7
 fetch_artist_comments() (Weverse.WeverseClientSync method), 5
 fetch_comment_body() (Weverse.WeverseClientAsync method), 8
 fetch_comment_body() (Weverse.WeverseClientSync method), 6
 fetch_media() (Weverse.WeverseClientAsync method), 8
 fetch_media() (Weverse.WeverseClientSync method), 6
 file_name (Weverse.models.Photo attribute), 15
 full_name (Weverse.models.Community attribute), 12

G

get_artist_by_id() (Weverse.WeverseClient method), 3
 get_comment_by_id() (Weverse.WeverseClient method), 3
 get_community_by_id() (Weverse.WeverseClient method), 3

get_media_by_id() (Weverse.WeverseClient method), 3
 get_notification_by_id() (Weverse.WeverseClient method), 3
 get_photo_by_id() (Weverse.WeverseClient method), 3
 get_post_by_id() (Weverse.WeverseClient method), 3
 get_tab_by_id() (Weverse.WeverseClient method), 4
 get_user_notifications() (Weverse.WeverseClientAsync method), 8
 get_user_notifications() (Weverse.WeverseClientSync method), 6
 get_video_by_url() (Weverse.WeverseClient method), 4
 group_name (Weverse.models.Artist attribute), 17

H

has_my_bookmark (Weverse.models.Post attribute), 21
 has_my_like (Weverse.models.Comment attribute), 19
 has_my_like (Weverse.models.Post attribute), 21
 has_new_private_to_fans (Weverse.models.Artist attribute), 18
 has_new_to_fans (Weverse.models.Artist attribute), 17
 home_banner (Weverse.models.Community attribute), 12

I

icon (Weverse.models.Community attribute), 12
 icon_image_url (Weverse.models.Notification attribute), 13
 id (Weverse.models.Artist attribute), 17
 id (Weverse.models.Comment attribute), 19
 id (Weverse.models.Community attribute), 11
 id (Weverse.models.Media attribute), 23
 id (Weverse.models.Notification attribute), 13
 id (Weverse.models.Photo attribute), 14
 id (Weverse.models.Post attribute), 20
 id (Weverse.models.Tab attribute), 22
 InvalidToken, 27
 is_active (Weverse.models.Post attribute), 21
 is_birthday (Weverse.models.Artist attribute), 17
 is_blind (Weverse.models.Comment attribute), 19
 is_blind (Weverse.models.Post attribute), 21
 is_enabled (Weverse.models.Artist attribute), 17
 is_hot_trending_post (Weverse.models.Post attribute), 21
 is_limit_comment (Weverse.models.Post attribute), 21
 is_locked (Weverse.models.Post attribute), 21
 is_membership_content (Weverse.models.Notification attribute), 13
 is_online (Weverse.models.Artist attribute), 17
 is_private (Weverse.models.Post attribute), 21
 is_web_only (Weverse.models.Notification attribute), 14

L

length (*Weverse.models.Video* attribute), 16
 level (*Weverse.models.Media* attribute), 23
 like_count (*Weverse.models.Comment* attribute), 19
 like_count (*Weverse.models.Post* attribute), 20
 list_name (*Weverse.models.Artist* attribute), 17
 loop (*Weverse.WeverseClientAsync* attribute), 7

M

max_comment_count (*Weverse.models.Artist* attribute), 17
 max_comment_count (*Weverse.models.Post* attribute), 20
 Media (class in *Weverse.models*), 22
 member_count (*Weverse.models.Community* attribute), 11
 message (*Weverse.models.Notification* attribute), 13
 module
 Weverse.objects, 25

N

name (*Weverse.models.Artist* attribute), 17
 name (*Weverse.models.Community* attribute), 11
 name (*Weverse.models.Tab* attribute), 22
 new_media (*Weverse.WeverseClient* attribute), 2
 Notification (class in *Weverse.models*), 12
 notified_at (*Weverse.models.Notification* attribute), 13

O

original_img_height (*Weverse.models.Photo* attribute), 15
 original_img_url (*Weverse.models.Photo* attribute), 15
 original_img_width (*Weverse.models.Photo* attribute), 15

P

PageNotFound, 27
 Photo (class in *Weverse.models*), 14
 photos (*Weverse.models.Post* attribute), 21
 platform (*Weverse.models.Notification* attribute), 14
 Post (class in *Weverse.models*), 19
 post (*Weverse.models.Comment* attribute), 19
 post (*Weverse.models.Photo* attribute), 15
 post (*Weverse.models.Video* attribute), 16
 post_id (*Weverse.models.Comment* attribute), 19
 posts (*Weverse.models.Artist* attribute), 18
 process_community_artists_and_tabs() (*Weverse.WeverseClient* static method), 4
 profile_img_path (*Weverse.models.Artist* attribute), 17
 profile_nick_name (*Weverse.models.Artist* attribute), 17

S

show_member_count (*Weverse.models.Community* attribute), 12
 start() (*Weverse.WeverseClientAsync* method), 8
 start() (*Weverse.WeverseClientSync* method), 6

T

Tab (class in *Weverse.models*), 22
 tabs (*Weverse.models.Community* attribute), 12
 thumbnail_height (*Weverse.models.Video* attribute), 16
 thumbnail_image_url (*Weverse.models.Notification* attribute), 13
 thumbnail_img_height (*Weverse.models.Photo* attribute), 14
 thumbnail_img_url (*Weverse.models.Photo* attribute), 14
 thumbnail_img_width (*Weverse.models.Photo* attribute), 14
 thumbnail_path (*Weverse.models.Media* attribute), 23
 thumbnail_url (*Weverse.models.Video* attribute), 15
 thumbnail_width (*Weverse.models.Video* attribute), 15
 title (*Weverse.models.Media* attribute), 23
 to_fan_last_created_at (*Weverse.models.Artist* attribute), 18
 to_fan_last_expire_in (*Weverse.models.Artist* attribute), 18
 to_fan_last_id (*Weverse.models.Artist* attribute), 18
 translate() (*Weverse.WeverseClientAsync* method), 8
 translate() (*Weverse.WeverseClientSync* method), 6
 type (*Weverse.models.Media* attribute), 23
 type (*Weverse.models.Post* attribute), 20

U

update_cache_from_notification() (*Weverse.WeverseClientAsync* method), 9
 update_cache_from_notification() (*Weverse.WeverseClientSync* method), 6
 updated_at (*Weverse.models.Comment* attribute), 19
 updated_at (*Weverse.models.Post* attribute), 21
 user_endpoint (*Weverse.WeverseClient* attribute), 2
 user_notifications (*Weverse.WeverseClient* attribute), 1

V

verbose (*Weverse.WeverseClient* attribute), 1
 Video (class in *Weverse.models*), 15
 video_link (*Weverse.models.Media* attribute), 23
 video_url (*Weverse.models.Video* attribute), 15
 videos (*Weverse.models.Post* attribute), 21

W

web_session (*Weverse.WeverseClient* attribute), 1

Weverse.objects

module, [25](#)

WeverseClient (*class in Weverse*), [1](#)

WeverseClientAsync (*class in Weverse*), [7](#)

WeverseClientSync (*class in Weverse*), [5](#)

Y

youtube_id (*Weverse.models.Media attribute*), [23](#)