
Weverse

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WEVERSECLIENT

CLIENTS

2.1 WeverseClientSync

2.2 WeverseClientAsync

3.1 Community

class Weverse.models.Community(**kwargs)

A Community object that represents a Weverse Community.

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

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

x == y

Checks if two Communities have the same ID.

x != y

Checks if two Communities do not have the same ID.

str(x)

Returns the Community's name.

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.

x == y
Checks if two Notifications have the same ID.

x != y

Checks if two Notifications do not have the same ID.

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.

x == y
Checks if two Photo objects have the same ID.

x != y
Checks if two Photo objects do not have the same ID.

str(x)
Returns the file name.

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

media_id

The media ID of the photo (if there is one).

Type Optional[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.

x == y

Check if the Video URL and Post are the same.

x != y

Check if the Video objects are not equal.

str(x)

Returns the Video URL.

len(x)

Returns the length of the video in seconds.

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 Optional[[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.

x == y

Checks if two Artists have the same ID.

x != y

Checks if two Artists do not have the same ID.

str(x)

Returns the Artist's primary name.

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.

x == y

Checks if two Comments have the same ID.

x != y

Checks if two Comments do not have the same ID.

str(x)

Returns the comment's body.

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.

x == y
Checks if two Post objects have the same ID.

x != y
Checks if two Post objects do not have the same ID.

str(x)

Returns the Post body message.

len(x)

Returns the amount of images (not videos) available.

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.

x == y

Checks if two Tab objects have the same ID.

x != y

Check if the IDs of the Tab objects are not equal.

str(x)

Returns the Tab name.

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.

x == y

Checks if two Media objects have the same ID.

x != y

Checks if two Media objects do not have the same ID.

str(x)

Returns the Media body message.

len(x)

Returns the amount of images (not videos) in the Media object.

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

photos
A list of photos under the media post.
Type List[[Photo](#)]

3.10 Announcement

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

An Announcement object that represents a Weverse Notice for a Community.

It is not suggested to create an Announcement manually, but rather through the following method: `Weverse.objects.create_announcement_objects`

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

x == y
Checks if two Announcement objects have the same ID.

x != y
Checks if two Announcement objects do not have the same ID.

str(x)
Returns the Announcement content.

Parameters

- **id** (*int*) – The ID of the post.
- **communityId** (*int*) – The Community ID.
- **title** (*str*) – The title of the announcement notice.
- **content** (*str*) – The HTML body of the page notice.
- **createdAt** (*str*) – Timestamp with the date of when the announcement was created.
- **exposedAt** (*str*) – Timestamp with the date of when the announcement was released.
- **categoryId** (*int*) – Category that the announcement belongs to (used for paginating or quick endpoint access)

- **fcOnly** (*bool*) – If only premium members have access to the announcement.

id

The ID of the post.

Type int

community_id

The Community ID.

Type int

title

The title of the announcement notice.

Type str

html_content

The HTML body of the page notice.

Type str

created_at

Timestamp with the date of when the announcement was created.

Type str

exposed_at

Timestamp with the date of when the announcement was released.

Type str

category_id

Category that the announcement belongs to (used for paginating or quick endpoint access)

Type int

fc_only

If only premium members have access to the announcement.

Type bool

image_url

An image url if one is present.

Type Optional[str]

content

Body Content without the HTML tags.

Type str

MODEL CREATION

`Weverse.objects.create_announcement_object(announcement_info: dict) →`
Weverse.models.announcement.Announcement

Creates and returns an announcement object

Parameters `announcement_info` – Announcement information from endpoint.

Returns *Announcement*

`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, ignore_photos=False) →`
Weverse.models.media.Media

Creates and returns a media object

Parameters

- **media_info** – media information from endpoint.
- **ignore_photos** – Whether to ignore the photos that belong in the media object. (Other methods can create it themselves.)

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*]

`Weverse.objects.iterate_community_media_categories()`
Iterates through community media categories, creates Media posts and returns a list of them.

Parameters `all_media_categories` – A dict containing media posts that are filtered by category.

Returns [List[*Media*], List[dict]] A list of Video Media objects and a list of dicts containing photo media objects to later make own calls on to retrieve photos.

EXCEPTIONS

5.1 Invalid Token

5.2 Page Not Found

5.3 Being Rate Limited

GET ACCOUNT TOKEN

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

Note that it is now possible to log-in with a username and password to prevent manual updates.

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.

IMPORTANT NOTE: Not all korean key-phrases may be logged. Scroll to the bottom of the Weverse page when you are logged in and click “English” to set the account language to English.

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/MujoyKun/Weverse/blob/main/examples/asynchronous.py

token = "fake_token" # REQUIRED
# THE EXAMPLE IN THE EXAMPLES FOLDER WILL SHOW YOU HOW TO LOGIN WITH A USERNAME AND
# ↪ PASSWORD AND SET UP HOOKS.

# It is advised to pass in your own web session as it is not closed in Weverse
web_session = aiohttp.ClientSession() # A session is created by default
weverse_client = WeverseClientAsync(authorization=token, verbose=True, loop=asyncio.get_
# ↪ event_loop(),
                                web_session=web_session)

try:
    # creates all the cache that is specified. If the create parameters are set to True,
    # ↪ they will take a very long time.
    await weverse_client.start(create_old_posts=True, create_media=True)
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/MujyKun/Weverse/blob/main/examples/synchronous.py

token = "fake_token" # REQUIRED
# THE EXAMPLE IN THE EXAMPLES FOLDER WILL SHOW YOU HOW TO LOGIN WITH A USERNAME AND
# ↪ PASSWORD AND SET UP HOOKS.

# 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:
    # creates all the cache that is specified. If the create parameters are set to True,
    # ↪ they will take a very long time.
    weverse_client.start(create_old_posts=True, create_media=True)
except InvalidToken:
    print("Invalid Token")
```


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