
vlivepy

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box-archived

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vlivepy is a VLIVE(vlive.tv) parser for python.

Easily parse and explore VLIVE with vlivepy.

```
import vlivepy

video = vlivepy.OfficialVideoPost(231176)
print(video.title)
#

print(video.channel_name)
# Rocket Punch
```


GETTING STARTED

First, you need to install the vlivepy. Check out [how to install vlivepy](#). If you want to customize some settings? Read about [custom variables](#).

Oops. You've got trouble? Check all [exceptions](#) or [create an issue](#). You can also ask for help on the [discussion](#)

- **Getting started:** [Installation](#) | [Custom variables](#) | [exceptions](#)
- **Supports:** [GitHub Issues](#) | [GitHub Discussions](#)

1.1 Installation

This page describes how to install vlivepy. vlivepy can be downloaded from pypi and github.

1.1.1 Install from PyPI

vlivepy can be installed via PyPI.

```
$ python -m pip install vlivepy
```

1.1.2 Get source code

vlivepy is developed and maintained on GitHub. Check out [box-archived/vlive-py](#) on GitHub.

You can clone our repository with git command.

```
$ git clone https://github.com/box-archived/vlive-py.git
```

Or just download source code as zip file.

```
$ curl -OL https://github.com/box-archived/vlive-py/archive/main.zip
```

1.1.3 Dependencies

vlivepy uses following packages

- `requests >= 2.*`
- `reqWrapper >= 0.2`
- `beautifulsoup4 >= 4.*`

1.2 Custom variables

User can customize variables used to connect with VLIVE

1.2.1 Override variable

User can override variables by import and replace variable that starts with `override_*` from `vlivepy.variables` package. This affects entire vlivepy workflow

This is the example of overriding user-agent.

```
from vlivepy.variables import override_user_agent  
  
override_user_agent = "<enter custom user agent>"
```

All customizable variables are below

1.2.2 override_gcc

gcc is request parameter to specify user country. VLIVE server chooses cdn by this value.

The default value is KR

1.2.3 override_locale

locale is request parameter to specify response language. VLIVE server chooses language of data (e.g Video title) by this value

The default value is ko_KR

1.2.4 override_user_agent

user-agent is request header to disguise as web browser. You can get it from your own browser by pasting `console.log(navigator.userAgent)` to web browser's javascript console

The default value is Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36

1.2.5 override_accept_language

accept_language is request header to set webpage language. This value affects Upcoming object's language

The default value is ko-KR, ko; q=0.9, en-US; q=0.8, en; q=0.7

1.3 Exceptions

This page describes **Exceptions** of vlivepy

exception vlivepy.exception.APIError
Common API Error

exception vlivepy.exception.APIJSONParesError
Failed to parse target

exception vlivepy.exception.APINetworkError
Failed to load API request

exception vlivepy.exception.APIServerResponseError
Warning if server response only error

exception vlivepy.exception.APIServerResponseWarning
Warning if server response with error

exception vlivepy.exception.APISignInFailedError
Failed to Sign in

exception vlivepy.exception.ModelError
Common Model Error

exception vlivepy.exception.ModelInitError
Model Initialize Error

exception vlivepy.exception.ModelInitWarning
Warning with init object

exception vlivepy.exception.ModelRefreshWarning
Model refresh failed

BASE MODELS & OBJECTS

This is the base model for grouping common properties of the objects.

Entire inheritance structure is down below.

- *DataModel*
 - *Channel*
 - *Comment*
 - *GroupedBoards*
 - *OfficialVideoModel*
 - * *OfficialVideoLive*
 - * *OfficialVideoVOD*
 - *PostModel*
 - * *Post*
 - * *OfficialVideoPost*
 - *Schedule*
- *Upcoming*
- *UserSession*

2.1 `vlivepy.model.DataModel`

```
class vlivepy.model.DataModel (method: Callable, target_id: str, session: Op-  
tional[vlivepy.session.UserSession] = None, init_data: Op-  
tional[dict] = None)
```

Bases: object

This is the base object for other class objects. It sends request with method from each modules and caching response.

DataModels and its child objects are able to compare equality. Each objects are considered equal, if their `type` and `target_id` is equal.

Note: This is the base object for other object without independent usage.

Parameters

- **method** (typing.Callable) – function for loading data.
- **target_id** (str) – argument for *method*.
- **session** (UserSession, optional) – session for *method*, defaults to None.
- **init_data** (dict, optional) – set initial data instead of loading data, defaults to None.

session

session for method

Type UserSession

property raw

Get full data as deep-copied dict.

Return type dict

refresh () → None

Reload self data.

property target_id

Get internal target id.

Return type str

2.2 vlivepy.model.OfficialVideoModel

class vlivepy.model.OfficialVideoModel (video_seq: Union[str, int], session: Optional[vlivepy.session.UserSession] = None)

Bases: *vlivepy.model.DataModel*

This is the base object for OfficialVideoLive and OfficialVideoVOD This contains common property of Live and VOD object.

Note: This is the base object for other object without independent usage.

Parameters

- **video_seq** (Union[str, int]) – Unique id(seq) of video.
- **session** (UserSession, optional) – Session for loading data with permission, defaults to None.

session

Optional. Session for loading data with permission.

Type UserSession

property comment_count

Count of comment in video.

Return type int

property created_at

Epoch timestamp about Unknown. The nanosecond units are displayed below the decimal point.

Return type float

property expose_status

Exposed-on-website status of video.

Return type bool**property has_live_thumb**

Boolean value for having live thumbnail or not.

Return type bool**property has_mobile_da**

Boolean value for Unknown.

Return type bool**property has_notice**

Boolean value for having notice.

Return type bool**property has_post_ad**

Boolean value for having post advertise.

Return type bool**property has_pre_ad**

Boolean value for having pre advertise.

Return type bool**property has_upcoming**

Boolean value for having upcoming.

Return type bool**property like_count**

Count of like received in video.

Return type int**multinational_title_get** (*locale*) → dict

Get multinational title info by locale.

Parameters **locale** (str) – locale to load.**Return type** dict**multinational_title_locales** () → list

Get locales from multinational title.

Return type list**property multinational_titles**

Title translations.

Return type List[dict]**property on_air_start_at**

Epoch timestamp about reserved/started on air time. The nanosecond units are displayed below the decimal point.

Return type float**property play_count**

Count of video play time.

Return type int

property product_type

Product type about VLIVE+

Returns “NONE” if the video is normal video. “VLIVE_PLUS” if the video is VLIVE+.

Return type str

property screen_orientation

Orientation of video.

Returns “VERTICAL” if the video orientation is vertical. “HORIZONTAL” if the video orientation is horizontal.

Return type str

property thumb

Url of thumbnail.

Return type str

property title

Title of video.

Return type str

property video_seq

Unique id(seq) of video.

Return type str

property video_type

Type of video.

Returns “LIVE” if the video is upcoming/on air live. “VOD” if the video is VOD.

Return type str

property vr_content_type

String value for vr content type.

Return type str

property will_end_at

Epoch timestamp about reserved end time. The nanosecond units are displayed below the decimal point.

Return type float

property will_start_at

Epoch timestamp about Unknown. The nanosecond units are displayed below the decimal point.

Return type float

2.3 vlivepy.model.PostModel

```
class vlivepy.model.PostModel (post_id: str, session: Optional[vlivepy.session.UserSession] =
                                None)
```

Bases: *vlivepy.model.DataModel*

This is the base object for Post and OfficialVideoPost This contains common property of each object

OfficialVideoPost has *OfficialVideoModel* and doesn't have body compared with Post

Note: This is the base object for other object without independent usage.

Parameters

- **post_id**(str) – Unique id of post to load.
- **session**(UserSession, optional) – Session for loading data with permission, defaults to None.

session

Optional. Session for loading data with permission.

Type UserSession

property attachments

Detailed attachments data of post.

Return type dict

property attachments_photo

Detailed photo attachments data of post.

Return type dict

property attachments_video

Detailed video attachments data of post.

Return type dict

property author

Detailed author info of post.

Return type dict

property author_id

Unique id of author.

Return type str

property author_nickname

Author nickname.

Return type str

property board_id

Unique id of parent board

Return type int

property channel_code

The code of the channel that contains the post

Return type str

property channel_name

The name of the channel that contains the post

Return type str

property comment_count

Count of its comment

Return type int

property content_type

Type of post.

Returns “POST” if the post is normal Post. “VIDEO” if the post is OfficialVideoPost

Return type str

property created_at

Epoch timestamp about created time. The nanosecond units are displayed below the decimal point.

Return type float

property emotion_count

Count of received emotion.

Return type int

getPostCommentsIter() → Generator[vlivepy.model.Comment, None, None]

Get Its comments as iterable

Return type Generator[Comment, None, None]

Yields Comment

getPostStarCommentsIter() → Generator[vlivepy.model.Comment, None, None]

Get Its star-comments as iterable

Return type Generator[Comment, None, None]

Yields Comment

property is_comment_enabled

Boolean value for comment-enabled.

Return type bool

property is_hidden_from_star

Boolean value for hidden-from-star.

Return type bool

property is_viewer_bookmarked

Boolean value for viewer-bookmarked.

Return type bool

property post_id

Unique id of the post.

Return type str

property title

Title of the post.

Return type str

2.4 vlivepy.Channel

class vlivepy.Channel (*channel_code: str, session: Optional[vlivepy.session.UserSession] = None*)

Bases: *vlivepy.model.DataModel*

This is the object represents a post of VLIVE

Parameters

- **channel_code** (*str*) – Unique id of channel.
- **session** (*UserSession*, optional) – Session for loading data with permission, defaults to None.

session

Optional. Session for loading data with permission.

Type *UserSession*

property background_color

Background color(hex) of the channel.

Return type *str*

property channel_code

Unique id of channel.

Return type *str*

property channel_cover_image

Cover image url of the channel.

Return type *str*

property channel_description

Description of the channel.

Return type *str*

property channel_name

Name of the channel.

Return type *str*

property channel_profile_image

Profile image url of the channel.

Return type *str*

decode_channel_code () → int

Decode channel code to unique channel seq

Return type *int*

groupedBoards () → vlivepy.model.GroupedBoards

Load grouped board list of the channel

Return type *GroupedBoards*

property member_count

Count of members in channel.

Return type *int*

property open_at

Epoch timestamp about channel opened(created) time.

Returns

property post_count

Count of post in channel.

Return type `int`

property prohibited_word_exact_list

Prohibited word (EXACT) in the channel.

Return type `str`

property prohibited_word_like_list

Prohibited word (LIKE) in the channel.

Return type `str`

property qr_code

QR code image url of the channel.

Return type `str`

property representative_color

Representative color(hex) of the channel.

Return type `str`

property show_upcoming

Boolean value for using upcoming in the channel

Return type `bool`

property sns_share_img

SNS Share image url of the channel.

Return type `str`

property use_member_level

Boolean value for using member level in the channel

Return type `bool`

property video_comment_count

Count of video comment in channel.

Return type `int`

property video_count

Count of video in channel.

Return type `int`

property video_like_count

Count of like in channel.

Return type `int`

property video_play_count

Count of video play times in channel.

Return type `int`

2.5 vlivepy.Comment

```
class vlivepy.Comment (commentId: str, session: Optional[vlivepy.session.UserSession] = None,
                        init_data: Optional[dict] = None)
```

Bases: `vlivepy.model.DataModel`

This is the object represents a comment of VLIVE's post

Parameters

- **commentId** (str) – Unique id of comment to load.
- **session** (`UserSession`, optional) – Session for loading data with permission, defaults to None.
- **init_data** (dict, optional) – set initial data instead of loading data, defaults to None.

session

Optional. Session for loading data with permission.

Type `UserSession`

property author

Detailed author info of post.

Return type `dict`

property author_memberId

Unique id of author.

Return type `str`

property author_nickname

Author nickname.

Return type `str`

property body

Content of comment.

Return type `str`

property commentId

Unique id of comment.

Return type `str`

property comment_count

Count of its nested comments.

Return type `int`

property created_at

Epoch timestamp about created time. The nanosecond units are displayed below the decimal point.

Return type `float`

property emotion_count

Count of received emotion.

Return type `int`

getNestedCommentsIter () → Generator[`Comment`]

Get nested comments as iterable (generator).

Return type `Generator[Comment]`

property parent
Detailed information about parent(upper) item.
Return type dict

parent_info_tuple() → tuple
Get parent info as tuple (Parent type, Its(parent) id)
Return type tuple

property root
Detailed information about root post.
Return type dict

root_info_tuple() → tuple
Get root info as tuple (Root type, Its(root) id)
Return type tuple

property sticker
Sticker list of comment.
Return type list

property written_in
User language setting of comment.
Return type str

2.6 vlivepy.GroupedBoards

class vlivepy.**GroupedBoards** (*channel_code: str, session: Optional[vlivepy.session.UserSession] = None*)
Bases: *vlivepy.model.DataModel*

This is the object represents board list of channel.

Parameters

- **channel_code** (str) – Unique id of channel.
- **session** (*UserSession*, optional) – Session for loading data with permission, defaults to None.

session
Optional. Session for loading data with permission.

Type *UserSession*

board_names() → List[str]
Get name of the boards

Return type list

boards() → List[dict]
Get detailed info of boards

Return type List[dict]

groups() → List[str]
Get name of board-groups

Return type list

2.7 vlivepy.Post

class vlivepy.Post (post_id: str, session: Optional[vlivepy.session.UserSession] = None)

Bases: *vlivepy.model.PostModel*

This is the object represents a post of VLIVE

Parameters

- **post_id** (str) – Unique id of post to load.
- **session** (*UserSession*, optional) – Session for loading data with permission, defaults to None.

session

Optional. Session for loading data with permission.

Type *UserSession*

property body

Contents of post with <v:attachment> tag

Return type str

formatted_body () → str

Get contents of post with formatting attachments and styles as html.

Return type str

property plain_body

Text-only contents of post

Return type str

property written_in

User language setting of post.

Return type str

2.8 vlivepy.OfficialVideoPost

class vlivepy.OfficialVideoPost (init_id: Union[str, int], session: Optional[vlivepy.session.UserSession] = None)

Bases: *vlivepy.model.PostModel*

This is the object represents a post of VLIVE

Parameters

- **init_id** (Union[str, int]) – Unique id of post to load. Also, the object can be initialized by video_seq.
- **session** (*UserSession*, optional) – Session for loading data with permission, defaults to None.

session

Optional. Session for loading data with permission.

Type *UserSession*

official_video () → Union[vlivepy.model.OfficialVideoVOD, vlivepy.model.OfficialVideoLive]

Generate *OfficialVideoLive* or *OfficialVideoVOD* object that paired to official video posts

Returns *OfficialVideoVOD*, if the video is VOD.

Returns *OfficialVideoLive*, if the video is Live.

property official_video_type

Type of video.

Returns “LIVE” if the video is upcoming/on air live. “VOD” if the video is VOD.

Return type *str*

property video_seq

Unique id of OfficialVideoPost. (video_seq type)

Return type *str*

2.9 vlivepy.OfficialVideoLive

```
class vlivepy.OfficialVideoLive (video_seq: Union[int, str], session: Optional[vlivepy.session.UserSession] = None)
```

Bases: *vlivepy.model.OfficialVideoModel*

This is the object represents a Live-type-OfficialVideo of VLIVE

Parameters

- **video_seq** (*str*) – Unique id of Live to load.
- **session** (*UserSession*, optional) – Session for loading data with permission, defaults to None.

session

Optional. Session for loading data with permission.

Type *UserSession*

getLivePlayInfo (*silent=False*)

Get play info of live

Parameters **silent** (*bool*, optional) – Return None instead of raising exception, defaults to False.

Return type *dict*

getLiveStatus (*silent=False*)

Get detailed status of live.

Parameters **silent** (*bool*, optional) – Return None instead of raising exception, defaults to False.

Return type *dict*

property has_filter_ad

Boolean value for having filter ad

Return type *bool*

property has_special_live

Boolean value for having special live

Return type *bool*

property hevc

Boolean value for broadcasting with hevc codec.

Return type `bool`

property low_latency

Boolean value for broadcasting with low-latency option

Return type `bool`

property momentable

Boolean value for what user can create moment of the video

Return type `bool`

property pp_type

Unknown boolean value

Return type `bool`

property status

Status of the live

Returns “RESERVED” if the live is reserved to broadcast. “ON_AIR” if the live is going. “ENDED” if the live is ended.

Return type `str`

2.10 vlivepy.OfficialVideoVOD

class `vlivepy.OfficialVideoVOD` (*video_seq: Union[str, int], session: Optional[vlivepy.session.UserSession] = None*)

Bases: `vlivepy.model.OfficialVideoModel`

This is the object represents a VOD-type-OfficialVideo of VLIVE

Parameters

- **video_seq** (`str`) – Unique id of VOD to load.
- **session** (`UserSession`, optional) – Session for loading data with permission, defaults to None.

session

Optional. Session for loading data with permission.

Type `UserSession`

property dimension_type

Unknown value. Server commonly respond “NORMAL”

Return type `str`

property encoding_status

VOD encoding status

Returns “CONVERTING” if the video encoding is in progress. “COMPLETE” if the video encoding is done.

Return type `str`

getInkeyData (*silent: bool = False*) → dict

Get InKey data of video

Parameters **silent** (`bool`, optional) – Return None instead of raising exception, defaults to False.

Return type dict

getVodPlayInfo (*silent: bool = False*) → dict
Get VOD play info of video

Parameters **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Return type dict

property has_moment
Boolean value for having user-created-moments

Return type bool

property has_preview
Boolean value for having 30s preview video

Return type bool

property play_time
Count of video play

Return type int

recommended_videos (*as_object: bool = False*) → list
Get recommended video list

Parameters **as_object** (bool, optional) – Init each item to *OfficialVideoPost*, defaults to False.

Return type list

property vod_id
Unique id of VOD that paired with videoSeq

Return type bool

property vod_secure_status
Status of DRM protection

Returns “READY” if the DRM is ready but not applied to video. “COMPLETE” if the DRM is applied to video.

Return type str

2.11 vlivepy.Schedule

class vlivepy.**Schedule** (*schedule_id: str, session: vlivepy.session.UserSession*)
Bases: *vlivepy.model.DataModel*

This is the object represents a post of VLIVE.

Parameters

- **schedule_id** (Union[str, int]) – Unique id of schedule to load.
- **session** (*UserSession*) – Session for loading data with permission.

session
Session for loading data with permission.

Type *UserSession*

property author
Detailed author info of post.

Return type dict

property author_id
Unique id of author.

Return type str

property author_nickname
Author nickname.

Return type str

property channel_code
The code of the channel that contains the schedule.

Return type str

property channel_name
The name of the channel that contains the post.

Return type str

property comment_count
Count of comment in video.

Return type int

property emotion_count
Count of received emotion in video.

Return type int

official_video() → Union[vlivepy.model.OfficialVideoVOD, vlivepy.model.OfficialVideoLive]
Generate *OfficialVideoLive* or *OfficialVideoVOD* object that paired to schedule

Returns *OfficialVideoVOD*, if the video is VOD.

Returns *OfficialVideoLive*, if the video is Live.

property official_video_type
Type of video.

Returns “LIVE” if the video is upcoming/on air live. “VOD” if the video is VOD.

Return type str

property post_id
Post id that paired with the schedule.

Return type str

property schedule_id
Unique id of schedule.

Return type str

property title
Title of the schedule.

Return type str

property video_seq
videoSeq id that paired with the schedule.

Return type `str`

2.12 vlivepy.Upcoming

```
class vlivepy.Upcoming(refresh_rate: float = 5, show_vod: bool = True, show_upcoming_vod: bool = True, show_upcoming_live: bool = True, show_live: bool = True)
```

Bases: `object`

This is the object represents a upcoming list of VLIVE.

This object doesn't use endpoint API but use parsing upcoming webpage. This use refresh rate to caching result. Set `refresh_rate` to 0 to disable caching

See also:

This object mainly returns list of `vlivepy.parser.UpcomingVideo`. Check docs!

Parameters

- **refresh_rate** (`float`, optional) – Unique id of post to load. Also, the object can be initialized by `video_seq`. Defaults to 5
- **show_vod** (`bool`, optional) – Add VOD to upcoming list, defaults to `True`.
- **show_upcoming_vod** (`bool`, optional) – Add reserved VOD to upcoming list, defaults to `True`.
- **show_upcoming_live** (`bool`, optional) – Add reserved Live to upcoming list, defaults to `True`.
- **show_live** (`bool`, optional) – Add on air live to upcoming list, defaults to `True`.

refresh_rate

Optional. Unique id of post to load. Also, the object can be initialized by `video_seq`. Defaults to 5

Type `float`

show_vod

Optional. Add VOD to upcoming list, defaults to `True`.

Type `bool`

show_upcoming_vod

Optional. Add reserved VOD to upcoming list, defaults to `True`.

Type `bool`

show_upcoming_live

Optional. Add reserved Live to upcoming list, defaults to `True`.

Type `bool`

show_live

Optional. Add on air live to upcoming list, defaults to `True`.

Type `bool`

```
load (date: Optional[str], show_vod: Optional[bool] = None, show_upcoming_vod: Optional[bool] = None, show_upcoming_live: Optional[bool] = None, show_live: Optional[bool] = None, silent: Optional[bool] = False) → Optional[List[vlivepy.upcoming.UpcomingVideo]]
```

Get upcoming list data with specific date

Note: Use `upcoming()` instead of using this function to load current upcoming.

Parameters

- **date** (bool) – Specify date to load upcoming.
- **show_vod** (bool, optional) – Add VOD to upcoming list, defaults to `self.show_vod`
- **show_upcoming_vod** (bool, optional) – Add reserved VOD to upcoming list, defaults to `self.show_upcoming_vod`
- **show_upcoming_live** (bool, optional) – Add reserved Live to upcoming list, defaults to `self.show_upcoming_live`
- **show_live** (bool, optional) – Add on air live to upcoming list, defaults to `self.show_live`
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns List of `vlivepy.parser.UpcomingVideo`

refresh (*force: bool = False*) → None

Refresh self data

Parameters **force** (bool, optional) – Force refresh with ignoring refresh rate, defaults to False.

upcoming (*force=False, show_vod: Optional[bool] = None, show_upcoming_vod: Optional[bool] = None, show_upcoming_live: Optional[bool] = None, show_live: Optional[bool] = None*)
→ List[`vlivepy.upcoming.UpcomingVideo`]

Upcoming list with cache life check

Parameters

- **force** (bool, optional) – Force refresh with ignoring refresh rate, defaults to False.
- **show_vod** (bool, optional) – Add VOD to upcoming list, defaults to `self.show_vod`
- **show_upcoming_vod** (bool, optional) – Add reserved VOD to upcoming list, defaults to `self.show_upcoming_vod`
- **show_upcoming_live** (bool, optional) – Add reserved Live to upcoming list, defaults to `self.show_upcoming_live`
- **show_live** (bool, optional) – Add on air live to upcoming list, defaults to `self.show_live`

Returns List of `vlivepy.parser.UpcomingVideo`

2.13 vlivepy.UserSession

class vlivepy.UserSession (*email: str, pwd: str*)

Bases: object

This is the object for using vlivepy with user permission. You need to use UserSession when you load user-only content (e.g VLIVE+, Membership, etc..)

Email-account info(email, pwd) should be used as login info. This is not working with social login info.

Caution: Too frequent login-try will be banned from VLIVE.

Use `vlivepy.dumpSession()` and `vlivepy.loadSession()` to saving UserSession

Parameters

- **email** (*str*) – Sign-in email
- **pwd** (*str*) – Sign-in password

property email

Get logged-in email info.

Return type *str*

refresh () → None

Reload login data

property session

Get logged-in Session

Return type *reqWrapper.Session*

MODULE & FUNCTIONS

Check more *functions!*. Or you just can import modules and use core functions.

- **Functions:** *Functions*
- **Modules:** *vlivepy.board* | *vlivepy.channel* | *vlivepy.comment* | *vlivepy.connections* | *vlivepy.parser* | *vlivepy.post* | *vlivepy.schedule* | *vlivepy.session* | *vlivepy.upcoming* | *vlivepy.video*

3.1 Functions

This page describes vlivepy's functions.

3.1.1 vlivepy.postIdToVideoSeq()

`vlivepy.postIdToVideoSeq(post_id: str, silent=False) → Optional[str]`
Convert post id to videoSeq id

Parameters

- **post_id** (str) – Post id to convert to videoSeq id.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns str. Paired videoSeq id of the post.

3.1.2 vlivepy.videoSeqToPostId()

`vlivepy.videoSeqToPostId(video_seq: Union[str, int], silent=False) → Optional[str]`
Convert videoSeq id to post id

Parameters

- **video_seq** (str, optional) – VideoSeq to convert to post id.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns str. Paired post id of the videoSeq.

3.1.3 vlivepy.postTypeDetector()

`vlivepy.postTypeDetector (post_id, silent=False)`
 Check type of the post

Parameters

- **post_id** (`str`, optional) – Unique id of the post to check.
- **silent** (`bool`, optional) – Return None instead of raising exception, defaults to False.

Returns `str`. “POST” if the post is normal Post. “VIDEO” if the post is OfficialVideoPost

3.1.4 vlivepy.decode_channel_code()

`vlivepy.decode_channel_code (channel_code: str, silent: bool = False) → Optional[int]`
 Decode channel code to unique channel seq

Parameters

- **channel_code** (`str`, optional) – Unique id of the post to check.
- **silent** (`bool`, optional) – Return None instead of raising exception, defaults to False.

Returns `int`. Decoded channel code as channel seq.

3.1.5 vlivepy.loadSession()

`vlivepy.loadSession (fp) → vlivepy.session.UserSession`
 Load UserSession

Parameters **fp** (*Any*) – BufferedReader to read file

Returns *UserSession*

3.1.6 vlivepy.dumpSession()

`vlivepy.dumpSession (session: vlivepy.session.UserSession, fp) → None`
 Dump UserSession

Danger: Dumped UserSession file is unencrypted plain binary. Do not upload/commit dumped file to public place.

Parameters

- **session** (*UserSession*) – UserSession object to dump
- **fp** (*Any*) – BufferedWriter to write file

3.2 board

This page describes **board** module which can be imported as `vlivepy.board`

3.2.1 BoardPostItem

```
class vlivepy.board.BoardPostItem(post_id: str, official_video: bool, session: vlivepy.session.UserSession)
```

Bases: `object`

This is the object for board post list.

Parameters

- **post_id** (`str`) – Unique id of post.
- **official_video** (`bool`) – Session for loading data with permission, defaults to `None`.
- **session** (`vlivepy.UserSession`, optional) – Session for loading data with permission.

session

Optional. Session for loading data with permission.

Type `vlivepy.UserSession`

property has_official_video

Boolean value for having official video

Return type `bool`

property post_id

Unique id of post.

Return type `str`

to_object () → `Union[vlivepy.model.Post, vlivepy.model.OfficialVideoPost]`

Initialize matched object from `post_id`

Returns `vlivepy.Post`, if the post is normal post. `vlivepy.OfficialVideoPost`, if the post is official video

3.2.2 getBoardPosts()

```
vlivepy.board.getBoardPosts(board_id: Union[str, int], channel_code: str, session: Optional[vlivepy.session.UserSession] = None, after: Optional[str] = None, latest: bool = False, silent: bool = False) → Optional[dict]
```

Get board post from page

Parameters

- **board_id** (`str`) – Unique id of the board to load.
- **channel_code** (`str`) – Unique id of the channel which contains board.
- **session** (`vlivepy.UserSession`, optional) – Session for loading data with permission, defaults to `None`.
- **after** (`str`, optional) – After parameter to load another page, defaults to `None`.
- **latest** (`bool`, optional) – Load latest post first, defaults to `False`.

- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data.

3.2.3 getBoardPostsIter()

`vlivepy.board.getBoardPostsIter` (*board_id: Union[str, int], channel_code: str, session: Optional[vlivepy.session.UserSession] = None, latest: bool = False*) → Generator[*vlivepy.board.BoardPostItem*, None, None]

Get board post as iterable (generator).

Parameters

- **board_id** (str) – Unique id of the board to load.
- **channel_code** (str) – Unique id of the channel which contains board.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to None.
- **latest** (str, optional) – Load latest post first.

Yields *BoardPostItem*

3.3 channel

This page describes **channel** module which can be imported as `vlivepy.channel`

3.3.1 getChannelInfo()

`vlivepy.channel.getChannelInfo` (*channel_code: str, session: Optional[vlivepy.session.UserSession] = None, silent: bool = False*) → Optional[dict]

Get detailed Channel info.

Parameters

- **channel_code** (str, optional) – Unique id of channel to load.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to None.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed channel data

3.3.2 getGroupedBoards()

`vlivepy.channel.getGroupedBoards` (*channel_code*: *str*, *session*: *Optional[vlivepy.session.UserSession]* = *None*, *silent*: *bool* = *False*) → *Optional[dict]*

Get grouped boards info.

Parameters

- **channel_code** (*str*, optional) – Unique id of channel to load boards.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.
- **silent** (*bool*, optional) – Return *None* instead of raising exception, defaults to *False*.

Returns *dict*. Parsed json data.

3.4 comment

This page describes **comment** module which can be imported as `vlivepy.channel`

3.4.1 comment_parser()

`vlivepy.comment.comment_parser` (*comment_list*: *list*, *session*: *Optional[vlivepy.session.UserSession]* = *None*) → *list*

Parse each comment json data to *vlivepy.Comment* object.

Parameters

- **comment_list** (*list*) – Comment list to parse.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.

Returns List of *vlivepy.Comment*

3.4.2 getCommentData()

`vlivepy.comment.getCommentData` (*comment_id*: *str*, *session*: *Optional[vlivepy.session.UserSession]* = *None*, *silent*: *bool* = *False*) → *Optional[dict]*

Get detailed comment data.

Parameters

- **comment_id** (*str*) – Unique id of the comment to load data.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.
- **silent** (*bool*, optional) – Return *None* instead of raising exception, defaults to *False*.

Returns *dict*. Parsed json data

3.4.3 getNestedComments()

`vlivepy.comment.getNestedComments` (*comment_id: str, session: Optional[vlivepy.session.UserSession] = None, after: Optional[str] = None, silent: bool = False*) → *Optional[dict]*

Get nested comments of the comment.

Parameters

- **comment_id** (*str*) – Unique id of the comment to load nested comment.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.
- **after** (*str*, optional) – After parameter to load another page, defaults to *None*.
- **silent** (*bool*, optional) – Return *None* instead of raising exception, defaults to *False*.

Returns *dict*. Parsed json data.

3.4.4 getNestedCommentsIter()

`vlivepy.comment.getNestedCommentsIter` (*comment_id: str, session: Optional[vlivepy.session.UserSession] = None*)

Get nested comments of the comment as iterable (generator).

Parameters

- **comment_id** (*str*) – Unique id of the comment to load nested comment.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.

Return type *Generator[vlivepy.Comment, None, None]*

Yields *vlivepy.Comment*

3.4.5 getPostComments()

`vlivepy.comment.getPostComments` (*post_id: str, session: Optional[vlivepy.session.UserSession] = None, after: Optional[str] = None, silent: bool = False*) → *Optional[dict]*

Get comments of the post.

Parameters

- **post_id** (*str*) – Unique id of the post to load comment.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.
- **after** (*str*, optional) – After parameter to load another page, defaults to *None*.
- **silent** (*bool*, optional) – Return *None* instead of raising exception, defaults to *False*.

Returns *dict*. Parsed json data.

3.4.6 getPostCommentsIter()

`vlivepy.comment.getPostCommentsIter` (*post_id*: *str*, *session*: *Optional*[*vlivepy.session.UserSession*] = *None*) *Op-*

Get comments of post as iterable (generator).

Parameters

- **post_id** (*str*) – Unique id of the post to load comment.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.

Return type Generator[*vlivepy.Comment*, *None*, *None*]

Yields *vlivepy.Comment*

3.4.7 getPostStarComments()

`vlivepy.comment.getPostStarComments` (*post_id*: *str*, *session*: *Optional*[*vlivepy.session.UserSession*] = *None*, *after*: *Optional*[*str*] = *None*, *silent*: *bool* = *False*) → *Optional*[*dict*]

Get star comments of the post.

Parameters

- **post_id** (*str*) – Unique id of the post to load star comment.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.
- **after** (*str*, optional) – After parameter to load another page, defaults to *None*.
- **silent** (*bool*, optional) – Return *None* instead of raising exception, defaults to *False*.

Returns *dict*. Parsed json data.

3.4.8 getPostStarCommentsIter()

`vlivepy.comment.getPostStarCommentsIter` (*post_id*: *str*, *session*: *Optional*[*vlivepy.session.UserSession*] = *None*) *Op-*

Get star comments of post as iterable (generator).

Parameters

- **post_id** (*str*) – Unique id of the post to load star comment.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to *None*.

Return type Generator[*vlivepy.Comment*, *None*, *None*]

Yields *vlivepy.Comment*

3.5 connections

This page describes **connections** module which can be imported as `vlivepy.connections`

3.5.1 getPostInfo()

`vlivepy.connections.getPostInfo` (*post_id: str, session: Optional[vlivepy.session.UserSession] = None, silent: bool = False*) \rightarrow Optional[dict]

Get detailed post data.

Parameters

- **post_id** (str) – Unique id of the post to load data.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to None.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.5.2 decode_channel_code()

This function has alias of `vlivepy.decode_channel_code()`

3.5.3 postIdToVideoSeq()

This function has alias of `vlivepy.postIdToVideoSeq()`

3.5.4 videoSeqToPostId()

This function has alias of `vlivepy.videoSeqToPostId()`

3.5.5 postTypeDetector()

This function has alias of `vlivepy.postTypeDetector()`

3.6 parser

This page describes **parser** module which can be imported as `vlivepy.parser`

3.6.1 format_epoch()

`vlivepy.parser.format_epoch(epoch: Union[int, float], fmt: str)`

This is the function for formatting epoch to string easily.

Parameters

- **epoch** (int) – Epoch timestamp.
- **fmt** (str) – Format-string to format Epoch.

Returns str. Formatted epoch time.

3.6.2 max_res_from_play_info()

`vlivepy.parser.max_res_from_play_info(play_info: dict) → dict`

This is the parser for finding maximum resolution from play info (FVideo, VOD).

Parameters **play_info** (dict) – Play info dict to find maximum resolution.

Returns dict. Video data that has maximum resolution from play_info

3.6.3 next_page_checker()

`vlivepy.parser.next_page_checker(page: dict) → Optional[str]`

This is the parser for checking “nextParams” from react page data for automatic paging in get*Iter function.

Parameters **page** (dict) – Page data from get(Comments, Posts, etc..)

Returns str. “after” parameter for paging. This returns None if response doesn’t have “nextParams”

3.6.4 response_json_stripper()

`vlivepy.parser.response_json_stripper(parsed_json_dict: dict, silent: bool = False) → Optional[dict]`

General parser for normalize response data format of json. This parses result and deletes response code. Also strip “data” field when dealing with membership response.

Parameters

- **parsed_json_dict** (dict) – Loaded json data to normalize.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.6.5 v_timestamp_parser()

`vlivepy.parser.v_timestamp_parser(ts: Union[str, int]) → float`

This is the function for parsing VLIVE timeunit(microsecond epoch) to float second.

Parameters **ts** (Union[str, int]) – VLIVE epoch time to parse.

Returns float. parsed epoch.

3.7 post

This page describes **post** module which can be imported as `vlivepy.post`

3.7.1 getFVideoInkeyData()

```
vlivepy.post.getFVideoInkeyData(f_video_id: str, session: Optional[vlivepy.session.UserSession] = None, silent: bool = False) → Optional[dict]
```

Get InKey data of File video

Parameters

- **f_video_id** (str) – Unique id of the FVideo to load InKey data.
- **session** (`vlivepy.UserSession`, optional) – Session for loading data with permission, defaults to None.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.7.2 getFVideoPlayInfo()

```
vlivepy.post.getFVideoPlayInfo(f_video_id: str, f_vod_id: str, session: Optional[vlivepy.session.UserSession] = None, silent: bool = False) → Optional[dict]
```

Get InKey data of File video

Parameters

- **f_video_id** (str) – Unique id of the video-attachment to load data.
- **f_vod_id** (str) – Unique id of the video-vod to load data.
- **session** (`vlivepy.UserSession`, optional) – Session for loading data with permission, defaults to None.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.8 schedule

This page describes **schedule** module which can be imported as `vlivepy.schedule`

3.8.1 getScheduleData()

`vlivepy.schedule.getScheduleData` (*schedule_id: str, session: vlivepy.session.UserSession, silent: bool = False*) → `Optional[dict]`

Get detailed schedule data.

Parameters

- **schedule_id** (`str`) – Unique id of the schedule to load data.
- **session** (`vlivepy.UserSession`) – Session for loading data with permission.
- **silent** (`bool`, optional) – Return None instead of raising exception, defaults to False.

Returns `dict`. Parsed json data

3.9 session

This page describes **controllers** module which can be imported as `vlivepy.session`

3.9.1 getUserSession()

`vlivepy.session.getUserSession` (*email: str, pwd: str, silent: bool = False*) → `Optional[requests.sessions.Session]`

Get logged in `reqWrapper.Session` session

Parameters

- **email** (`str`) – Email of the account to sign-in.
- **pwd** (`vlivepy.UserSession`, optional) – Password of the account to sign-in.
- **silent** (`bool`, optional) – Return None instead of raising exception, defaults to False.

Returns `reqWrapper.Session`. Logged in session.

3.9.2 UserSession

This function has alias of `vlivepy.UserSession`

3.9.3 dumpSession()

This function has alias of `vlivepy.dumpSession()`

3.9.4 loadSession()

This function has alias of `vlivepy.loadSession()`

3.10 upcoming

This page describes **upcoming** module which can be imported as `vlivepy.upcoming`

3.10.1 UpcomingVideo

class `vlivepy.upcoming.UpcomingVideo` (*seq, time, cseq, cname, ctype, name, type, product*)

This is the object for upcoming list item

property `cname`

Origin channel name of item.

Return type `str`

property `cseq`

Origin channel seq id of item.

Return type `str`

property `ctype`

Origin channel type of item.

Returns “BASIC” if the channel type is normal. “PREMIUM” if the channel type is membership.

Return type `str`

property `name`

Title of item.

Return type `str`

property `product`

Product type of item.

Returns “NONE” if the item is normal live. “PAID” if the item is VLIVE+ product.

Return type `str`

property `seq`

VideoSeq of item.

Return type `str`

property `time`

String start time of item.

Return type `str`

property `type`

Type of item.

Returns “VOD”, “UPCOMING_VOD”, “UPCOMING_LIVE”, “LIVE”

Return type `str`

3.10.2 getUpcomingList()

`vlivepy.upcoming.getUpcomingList` (*date: Optional[Union[str, int]] = None, silent: bool = False*)
 → *Optional[List[vlivepy.upcoming.UpcomingVideo]]*

Load upcoming webpage and parse each item.

Parameters

- **date** (*Union[str, int]*, optional) – The date with yyyyMMdd format to load upcoming, defaults to None.
- **silent** (*bool*, optional) – Return None instead of raising exception, defaults to False.

Returns List of *UpcomingVideo*

3.11 video

This page describes **video** module which can be imported as `vlivepy.video`

3.11.1 getInkeyData()

`vlivepy.video.getInkeyData` (*video_seq: Union[str, int], session: Optional[vlivepy.session.UserSession] = None, silent: bool = False*) → *Optional[dict]*

Get InKey data of current session and video.

Parameters

- **video_seq** (*str*) – Unique seq id of the video post to load data.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to None.
- **silent** (*bool*, optional) – Return None instead of raising exception, defaults to False.

Returns *dict*. Parsed json data

3.11.2 getLivePlayInfo()

`vlivepy.video.getLivePlayInfo` (*video_seq: Union[str, int], session: Optional[vlivepy.session.UserSession] = None, vpdid2: Optional[str] = None, silent: bool = False*) → *Optional[dict]*

Get detailed play info of live.

Parameters

- **video_seq** (*str*) – Unique seq id of the video post to load data.
- **session** (*vlivepy.UserSession*, optional) – Session for loading data with permission, defaults to None.
- **vpdid2** (*str*, optional) – User vpdid2 data, defaults to None. It can be automatically generated by session.
- **silent** (*bool*, optional) – Return None instead of raising exception, defaults to False.

Returns *dict*. Parsed json data

3.11.3 getLiveStatus()

`vlivepy.video.getLiveStatus (video_seq: Union[str, int], silent: bool = False) → Optional[dict]`
Get simplified status of live.

Parameters

- **video_seq** (str) – Unique seq id of the video post to load data.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.11.4 getOfficialVideoData()

`vlivepy.video.getOfficialVideoData (video_seq: Union[str, int], session: Optional[vlivepy.session.UserSession] = None, silent: bool = False) → Optional[dict]`

Video utility for parsing VOD id from official video post data. This internally uses `getOfficialVideoPost()` function and parse VOD id from it.

Parameters

- **video_seq** (str) – Unique seq id of the video post to load data.
- **session** (`vlivepy.UserSession`, optional) – Session for loading data, defaults to None.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.11.5 getOfficialVideoPost()

`vlivepy.video.getOfficialVideoPost (video_seq: Union[str, int], session: Optional[vlivepy.session.UserSession] = None, silent: bool = False) → Optional[dict]`

Get detailed official video post data.

Parameters

- **video_seq** (str) – Unique seq id of the video post to load data.
- **session** (`vlivepy.UserSession`, optional) – Session for loading data with permission, defaults to None.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.11.6 getVodId()

`vlivepy.video.getVodId(video_seq: Union[str, int], silent: bool = False) → Optional[str]`

Video utility for parsing VOD id from official video post data. This internally uses `getOfficialVideoPost()` function and parse VOD id from it.

Parameters

- **video_seq** (str) – Unique seq id of the video post to load data.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns str. Parsed VOD id

3.11.7 getVodPlayInfo()

`vlivepy.video.getVodPlayInfo(video_seq: Union[str, int], vod_id: Optional[str] = None, session: Optional[vlivepy.session.UserSession] = None, silent: bool = False) → Optional[dict]`

Get detailed play info of VOD.

Parameters

- **video_seq** (str) – Unique seq id of the video post to load data.
- **vod_id** (str, optional) – Unique id of the VOD to load data, defaults to None. It can be automatically generated with func:`getVodId`.
- **session** (`vlivepy.UserSession`, optional) – Session for loading data with permission, defaults to None.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns dict. Parsed json data

3.11.8 getVpdid2()

`vlivepy.video.getVpdid2(session: vlivepy.session.UserSession, silent: bool = False) → Optional[str]`

Video utility for get user's vpdid2 info. This internally uses `getInkeyData()` function with `video_seq="142851"` param and parse vpdid2 from it.

Parameters

- **session** (`vlivepy.UserSession`) – Session for loading data.
- **silent** (bool, optional) – Return None instead of raising exception, defaults to False.

Returns str. Parsed vpdid2.

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