
vishap Documentation

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vishap

Description

URLs to embed code of video sharing services (like Youtube or Vimeo) made simple. Produces HTML from the URL given according to the rules specified in the plugins.

Comes with plugins for the following services (listed in alphabetical order):

- Vimeo
- Youtube

There are also a number of useful tools included, such as:

- Django template tags and form fields (with validation).

Installation

Install with latest stable version from pypi:

```
$ pip install vishap
```

or install the latest stable version from bitbucket:

```
$ pip install -e hg+https://bitbucket.org/barseghyanartur/vishap@stable#egg=vishap
```

or install into python path:

```
$ python setup.py install
```

That's all. See the *Usage and examples* section for more.

Usage and examples

3.1 Simple usage

Required imports

```
>>> from vishap import render_video
```

3.1.1 Rendering Vimeo code

```
>>> print render_video('http://vimeo.com/45655450', 500, 281)
<iframe src="//player.vimeo.com/video/45655450" width="500" height="281"
frameborder="0" webkitallowfullscreen mozallowfullscreen allowfullscreen>
</iframe>
```

3.1.2 Rendering Youtube code

```
>>> print render_video('http://www.youtube.com/watch?v=LIP17PtGXNI', 560, 315)
<iframe width="560" height="315" src="//www.youtube.com/embed/LIP17PtGXNI"
frameborder="0" allowfullscreen></iframe>
```

3.1.3 Filling available area

If you want your embed code to fill the available area, render it without `width` and `height` attributes and place it in a container to which it shall stretch.

Example

```
>>> s = "<div class=\"video-wrapper\">
>>> {embed_code}
>>> </div>"".format(
>>>     embed_code = render_video('http://www.youtube.com/watch?v=LIP17PtGXNI')
>>> )
```

Your CSS file should then look similar to the following

```
.video-wrapper { width: 600px; height: 500px; padding: 0;
}

.video-wrapper iframe { position: absolute; width: 100%; height: 100%;
```

}

3.1.4 Register a custom plugin

```
>>> class ExamplePlugin(BaseVideoPlugin):
>>>     uid = "example"
>>>     name = "Example"
>>>     url_pattern = "^(?P<prefix>(http:\\\\|www\\.youtube\\.com\\|watch?v=)| (http:\\\\|www\\.youtube\\|
>>>     id_pattern = "^(?P<value>[A-Za-z0-9\\-=_]{11})"
>>>     thumbnail_pattern = "//img.youtube.com/vi/{0}/{1}.jpg"
>>>     embed_code = """
>>>     <iframe src="//www.youtube.com/embed/{video_id}" {options} frameborder="0" allowfullscreen><
>>>     """
>>>
>>> plugin_registry.register(ExamplePlugin)
```

3.1.5 Replacing existing plugin

If you want to replace/update existing plugin, you can force register it in the registry.

```
>>> class UpdatedYoutubePlugin(BaseVideoPlugin):
>>>     uid = "youtube"
>>>     name = "Youtube"
>>>     url_pattern = "^(?P<prefix>(http:\\\\|\\|www\\.youtube\\.com\\|watch?v=)| (http:\\\\|\\|www\\.youtube\\|
>>>     id_pattern = "^(?P<value>[A-Za-z0-9\\-=_]{11})"
>>>     thumbnail_pattern = "//img.youtube.com/vi/{0}/{1}.jpg"
>>>     embed_code = """
>>>     <iframe src="//www.youtube.com/embed/{video_id}" {options} frameborder="0" allowfullscreen><
>>>     """
>>>
>>> plugin_registry.register(UpdatedYoutubePlugin, force=True)
```

Missing a plugin?

Missing a plugin for your favourite service? Contribute to the project by making one and it will appear in a new version (which will be released very quickly) or request a feature.

License

GPL 2.0/LGPL 2.1

Support

For any issues contact me at the e-mail given in the *Author* section.

Author

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Contents:

8.1 vishap package

8.1.1 vishap.base module

class `vishap.base.BaseVideoPlugin`
Bases: `object`
Base video plugin.
description = `None`
embed_code = `None`
height_param_code = `'height="{height}"'`
id_pattern = `None`
match (*url*)
Check if URL matches the pattern.
 Parameters *url* (*str*) –
 Return `bool`
name = `None`
render (*url*, *width=None*, *height=None*)
Renders the HTML code of embed video based on from URL given.
 Parameters

- *url* (*str*) –
- *width* (*int*) –
- *height* (*int*) –

 Return `str`
thumbnail_pattern = `None`
uid = `None`
url_pattern = `None`

```
width_param_code = 'width="{width}"'
```

8.1.2 vishap.utils module

`vishap.utils.render_video(url, width=None, height=None, plugin_uid=None)`

Renders the video.

Parameters

- **url** (*str*) –
- **width** (*int*) –
- **height** (*int*) –
- **plugin_uid** (*str*) – Preferred plugin to render to video.

Return str Returns empty string on failure.

`vishap.utils.ensure_autodiscover()`

Ensures that plugins are autodiscovered.

`vishap.utils.get_registered_plugins()`

Gets a list of registered plugins in a form if tuple (plugin name, plugin description). If not yet autodiscovered, autodiscovers them.

Return list

`vishap.utils.get_registered_plugin_uids()`

Gets a list of registered plugins in a form if tuple (plugin name, plugin description). If not yet autodiscovered, autodiscovers them.

Return list

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