
imagestore Documentation

Release 0

Pavel Zhukov

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1.1 Installation

- Install with pip or easy install (All dependencies will be installed automatically, however if you use Python 3 you may need to install specific versions of `sorl-thumbnail` and `django-autocomplete-light`):

```
pip install imagestore
```

- If you use django before version 1.7 we recommend to install south for smooth migrations:

```
pip install south
```

- Symlink or copy `imagestore/static/imagestore.css` to your `MEDIA_ROOT`, or write your own style (staticfiles supported as well).
- Add `imagestore`, `django-tagging` and `sorl.thumbnail` to your `INSTALLED_APPS`. your `INSTALLED_APPS` should look like:

```
INSTALLED_APPS = (  
    ....  
    'imagestore',  
    'sorl.thumbnail',  
    'tagging',  
)
```

- Add `imagestore.urls` to your urls with `namespace='imagestore'`:

```
urlpatterns = patterns('',  
    .....  
    (r'^gallery/', include('imagestore.urls', namespace='imagestore')),  
    .....  
)
```

- Set `IMAGESTORE_SHOW_USER` to `False`, if you don't want to show information from user profile or have no user profile.

- Run:

```
./manage.py migrate
```

- Add jquery and jqueryui load to your template to use tagging autocomplete and/or prettyphoto
- If you want to use prettyPhoto put `prettyPhoto` to your media directory and include `imagesotore/prettyphoto.html` to your template

1.2 Available settings

IMAGESTORE_UPLOAD_TO (“**imagestore/**”) Path for uploading images

IMAGESTORE_IMAGES_ON_PAGE (**20**) Number of images in one page (album/user/tag view)

IMAGESTORE_ON_PAGE (**20**) Number of albums on page (index view)

IMAGESTORE_SELF_MANAGE (**True**) If true, imagestore install handler on launch, that grant add/change/delete permissions for Album and Image models for every created user (with this permissions users can create personal galleries, if you don’t want it set this settings to False).

IMAGESTORE_TEMPLATE (“**base.html**”) Here you can set template that imagestore templates will inherit. Imagestore templates expect next blocks in basic template:

- head (inside <head> tag for scripts and styles inserting)
- title (inside <title> tag)
- breadcrumb
- content (main content)
- content-related (this block used for tag-cloud, user info and create/edit links)

IMAGESTORE_SHOW_USER (**True**) Show user info (such as avatar, link to profile and other stuff) Default template expects that profile has avatar ImageField and `get_absolute_url` method You can customize view it by overriding `imagestore/user_info.html` template

Notice, that since imagestore version 2.7.4, which supports custom user model, in `imagestore/user_info.html` passes `user` variable with current logged in user.

IMAGE_MODEL (“**imagestore.models.Image**”) Class for storing images. See [extending imagestore](#) for details.

ALBUM_MODEL (“**imagestore.models.Album**”) Class for storing albums. See [extending imagestore](#) for details.

IMAGESTORE_IMAGE_FORM (“**imagestore.forms.ImageForm**”) Form for uploading images. See [extending imagestore](#) for details.

IMAGESTORE_ALBUM_FORM (“**imagestore.forms.AlbumForm**”) Form for creating albums. See [extending imagestore](#) for details.

IMAGESTORE_LOAD_CSS (“**True**”) Load CSS file ‘static/imagestore.css’ in imagestore templates. If you want to use custom theme - disable this settings.

IMAGESTORE_UPLOAD_ALBUM_PROCESSOR (“**imagestore.models.upload.process_zipfile**”) Function for processing uploaded zip archives from admin interface. Function gets `AlbumUpload` model instance and should process file from `zip_file` field to upload images. For example, you can override this setting to provide function, which do nothing, and process file lately

IMAGESTORE_BRIEF_TO_ALT_TEMPLATE (“**{0}_{1}**”) There is template tag `imagestore_alt` which automatically generates images alt attribute based on image title or, if title is empty, on album brief field and (optional) loop counter. Setting determines alt attribute format when brief (`{0}`) and counter (`{1}`) are used.

1.3 Extending Imagestore

You can extend imagestore by customizing Image and Album classes as well as forms for their creation. Basic abstract classes that require to extend exists in `models.bases.image` and `models.bases.album`.

After you create your classes, tell imagestore to use them by setting next settings:

- `IMAGESTORE_IMAGE_MODEL`
- `IMAGESTORE_ALBUM_MODEL`
- `IMAGESTORE_IMAGE_FORM`
- `IMAGESTORE_ALBUM_FORM`

You should set model-related settings to `app_label.model_name` string. For example:

```
IMAGESTORE_IMAGE_MODEL = 'mystoreapp.MyImage'
IMAGESTORE_ALBUM_MODEL = 'mystoreapp.MyAlbum'
```

You should set form-related settings as string with python path to required class. For example:

```
IMAGESTORE_IMAGE_FORM = 'mystoreapp.forms.MyImageForm'
IMAGESTORE_ALBUM_FORM = 'mystoreapp.forms.MyAlbumForm'
```

Internally imagestore uses [django-swappable-models](#) reusable app. So you can read their docs to know how to use it correctly.

1.3.1 Warning

- It is required to add `app_label` to your Image and Album models.
- Migrations with swappable models tested only with django migrations. Use it with south with caution.

1.3.2 Migrating from old versions (before 2.9.0)

- Before imagestore v.2.9.0 you have to set model-related settings to full python path to model class. Now it should be in `app_label.model_class` form.
- As now imagestore uses `django-swappable-models` app for swapping Album and Image models you should use swapper's methods for importing or referencing to imagestore models. For more info look at [django-swappable-models docs](#)

1.4 Example project

Package contains preconfigured django project with installed imagestore. You can find it in `test` directory inside project root, or get from [repository](#)

1.5 Django CMS Integration

Imagestore can show an album as a plugin in django-cms, and can be used as a django-cms app.

To use plugins, just add `imagestore.imagestore_cms` to your `INSTALLED_APPS`

If you want to use imagestore as a django-cms application

- Set `IMAGESTORE_SHOW_USER` to `False`
- Because django-cms build connect apps without namespace settings you need to tell django where to search imagestore namespace, you can do it by adding django-cms urls with the 'imagestore' namespace:

```
url(r'^$', include('cms.urls')),  
url(r'^$', include('cms.urls', namespace='imagestore'))
```

1.6 Watermarking

Use [watermarker](#) sorl integration to add watermark to your images

CHAPTER 2

Indices and tables

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