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# **django\_podcasting Documentation**

*Release 1.3.2*

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Audio podcasting functionality for django sites.

The source code for Django Podcasting can be found and contributed to on [django-podcasting](#). There you can also file tickets.



# CHAPTER 1

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## History

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Django Podcasting started off as a heavily stripped down version of the wonderful [django-podcast](#). Eventually this app grew enough differences to be useful to others as a reusable application outside of my sandbox. I hope it inspires you to share your sounds with the rest of the world, whatever they may be.

This application can be seen running on:

<http://snowprayers.net>

<http://rizu.mu>



## CHAPTER 2

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### Differences

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At the time I had no interest in the Video podcasting features of [django-podcast](#) and video introduces a lot of extra complexity into the application, considering I was first studying compliance with the various specs and the [syndication feed framework](#).

This application also differs from [django-podcast](#) in that it uses UUID identifiers, support multiple authors, makes use of Django's [sites framework](#) and [syndication feed framework](#). Podcasting only supports Django 1.3 or greater due to its choice in class-based views, though writing additional views and urls to work with 1.2 would be a trivial task. There are also other less significant differences which may or may not be of relevance to your project.



## CHAPTER 3

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### Nomenclature

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An individual podcast is a show.

A show has many episodes 001, 002, etc.

An episode has one or many enclosures formats for example .flac, .wav or .mp3.



## CHAPTER 4

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### Requirements

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`django-podcasting` requires `django-autoslug` which is included in the `setup.py`.



**Feeds** Supports [Atom](#), [RSS 2.0](#), [iTunes](#), and [FeedBurner](#) by attempting to match as best as possible their detailed specifications and additionally utilizing Django's [syndication feed framework](#).

**Multi-site** Supports Django's [sites framework](#) allowing for great flexibility in the relationships between shows and sites in a multi-site application.

### Licensing

To publish a podcast to iTunes it is required to set a license. It is suggested to install [django-licenses](#) which provides a light weight mechanism for adding licenses to the shows.

**Serve your media from anywhere** Podcasting assumes nothing about where your media file will be stored, simply save any valid url to an enclosure object.

**Multiple enclosure types** Want to offer versions in .ogg, .flac, and .mp3? It's possible.

**UUID** Podcasting uses a UUID field for show and episode uniqueness rather than relying on the url.

**Bundled Forms and Templates** Podcasting comes with some example forms to get you started with for allowing site users ability to manage a show. Generic templates are also bundled to get you started.

**Comments** To add commenting to you app, you must use a separate Django application. One of the simplest options is [django-disqus](#), but you should also look into [django-threadedcomments](#) and Django's built in [comments framework](#).

There is an field on both the Show and Episode models to enable commenting. The default is to enable commenting. To completely disable comments for all of an individual show's episodes, set `enable_comments` field on the Show model to `False`. To disable comments on an individual episode, set `enable_comments` on the Show model to `True` and `enable_comments` on the Episode model to `False`.

**Draft Mode** You may work on the new episode in and publish it when ready, simply by checking publish in the Admin. While in draft mode the episode's `get_absolute_url` returns a link comprised of the `show_slug` and the episode's `uuid` but once live, it uses the show slug, friendlier publish date and episode slug.

<http://snowprayers.net/podcasts/snowprayers/a04deb06-741f-11e0-a714-404096327b80/>  
<http://snowprayers.net/podcasts/snowprayers/snowprayers-podcast-13/>



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## Optional Features

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The following features are expected to work with the most recent versions of the following libraries, if you find an issue please report it on github.

**Thumbnailed Album Artwork** Install [django-imagekit](#), [easy-thumbnails](#) or [sorl-thumbnails](#) in your project to get sane defaults and model support for album artwork thumbnails. Either may be added to your project at point any time and the `django-podcasting` app will recognize and use it. It is highly advised to use a thumbnailing app because thumbnailing podcast artwork for iTunes is nontrivial. Support for other thumbnail libraries will be considered for inclusion.

**Taggable episodes and shows** Install [django-taggit](#) to provide tagging support for episodes and shows. Taggit may be added to your project at point any time and the `django-podcasting` app will recognize and support it. Taggit may become a requirement in 1.0 if there are no strong objections.

**Share to Twitter** Django Podcasting can optionally provide the ability to announce new episodes on twitter. Install [python-twitter](#) to get started.

**Embeddable Media** Want to display Youtube, Vimeo or Soundcloud content on Episode detail pages? Django Podcasting provides the ability to link to external embeddable media via the `podcasting.models.EmbedMedia` class. Optionally install [django-embed-video](#) for easy embedding of YouTube and Vimeo videos and music from SoundCloud.



## CHAPTER 7

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### Usage

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There has yet to be a need to configure anything via the `settings.py` file and the included templates and forms should be enough to get started. One area that may be somewhat difficult is connecting with a commenting application. For the simplest option, take a look at [django-disqus](#).



## CHAPTER 8

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### Future

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For the 0.9.x series I'd like to first see if others have interest in this application and fix any issues discovered with the current version.

If there is desire, video support after a 1.0 (audio only) version has been released is possible.



### Installation

- Tested against Django 1.8 and greater.
- Install Django Podcasting with your favorite Python package manager:

```
pip install django-podcasting
```

- Add "podcasting", "django.contrib.sites", and the optional apps of your choice to the `INSTALLED_APPS` setting in your `settings.py`:

```
INSTALLED_APPS = (  
    ...  
    "django.contrib.admin",  
    "django.contrib.sites",  
    ...  
    "podcasting",  
    ...  
)
```

- Include `podcasting.urls` and `podcasting.urls_feeds` in your `urls` definition:

```
url(r"^podcasts/", include("podcasting.urls")),  
url(r"^feeds/podcasts/", include("podcasting.urls_feeds")),
```

### Optional Dependencies

The following features are expected to work with the most recent versions of the following libraries, if you find an issue please report it on github.

## Thumbnails

You may chose between the following three thumbnail libraries or none, if imagekit is installed django-podcsating will use that, else it will check for easy-thumbnails, followed by sorl.

- `django-imagekit`: `pip install django-imagekit`
- `easy-thumbnails`: `pip install easy-thumbnails`

Here is an example `settings.THUMBNAIL_ALIASES` for *easy-thumbnails*. iTunes sizes are to spec.:

```
THUMBNAIL_ALIASES = {
    "podcasting.Show.original_image": {
        "sm": {"size": (120, 120)},
        "lg": {"size": (550, 550)},
        "itunes_sm": {"size": (144, 144)},
        "itunes_lg": {"size": (1400, 1400)},
    },
    "podcasting.Episode.original_image": {
        "sm": {"size": (120, 120)},
        "lg": {"size": (550, 550)},
        "itunes_sm": {"size": (144, 144)},
        "itunes_lg": {"size": (1400, 1400)},
    },
}
```

- `Sorl-thumbnail`

`pip install sorl-thumbnail`

## Tagging

If `django-taggit` is installed, tagging will be enabled for Episodes and Shows:

- `django-taggit`: `pip install django-taggit`

## Licencing

If `django-licenses` is installed, the show will contain the license field which which is helpful for publishing podcasts on iTunes:

- `django-licenses`: `pip install django-licenses`

## Tweeting

Want to send a tweet every time a new Episode is created?

If `python-twitter` is installed, automatic posts for new tweets is possible:

- `python-twitter`: `pip install python-twitter`

## Media Embedding

Want to display Youtube, Vimeo or Soundcloud content on Episode detail pages?

- `django-embed-video`: `pip install django-embed-video`

## Changelog

### 1.3.2

- Fix for initial migration with photologue - @urtzai

### 1.3.1

- Bugfix for imports

### 1.3.0

- Django 1.10 compatibility - thanks @urtzai
- Add support for Photologue - thanks @urtzai

### 1.2.0

- Basque Translation - thanks @urtzai
- Add next/prev methods to episode.

### 1.1.0

- Multiple bugfixes
- Improvements to queryset managers
- Add a pretty description field for WYSIWYG editors

### 1.0.1

- Improve onsite manager by supporting multiple environments, and getting site from request

### 1.0.0

- When no django-licensing is installed, show the Show's CharField license. @nachopro
- Setting to choose the path where podcast's images will be saved. Thanks @nachopro

### 0.10.2

- Fix for runserver warning, 'max\_length' is ignored when used with IntegerField.

### 0.10.1

- Add missing *django-autoslug* requirement to setup.py. Thanks @Rolando.

### 0.10.0

- Fix unicode literals in models.py. Thanks @hakanw
- Convert relationships for Enclosure, Episode, Sites into M2M to allow mix and match show creation. Thanks to Jeff Lindsey @djangolackey

### 0.9.10

- Setting FEED\_ENTRIES hides older episodes, use None (aka all) as default.
- More forgiving error handling on images in feeds.

### 0.9.9

- Add django-appconf to required packages
- RedirectView fixes - kike721
- Spanish translations - kike721
- Use AppConfig for pagination settings - kike721
- Enforce that feed urls can only request supported mime types.
- Make feed\_urs more generic by removing /itunes/. Redirect old style.
- Make django-licenses optional
- Drop bundled AutoSlug and use django-autoslug
- Rename the newly added Video class to EmbedMedia, and build in support for django-embed-video for easy embedding of SoundCloud, Vimeo and YouTube files on Episode detail pages.
- Add a show.on\_itunes boolean and relax required fields to allow simpler user forms when not publishing to iTunes.
- Testing on Python3
- Move runtests.py to homedir, drop django-nose and add test support for Django 1.7, add coverage and version badges.
- Extend full support to easy-thumbnails and sorl
- Extend the Admin widget to support sorl, imagekit, easy-thumbnails and css for thumbnailing.
- Add a simple Video model for attaching extrnal video-urls to an episode.
- Add more mime type choices for enclosures.
- Upgrade imagekit to 3.0.4
- Bump python-twitter to 1.0 and django-taggit to 0.10a1
- Remove settings.SITE\_ID default from Site field.
- Setup Travis CI.
- Flake8.
- Support Django 1.5's customizable user model. This change makes django-podacasting usable only on Django versions 1.4 LTS and greater.
- Fix autoslug

- Fix for non ImageKit installs
- Support Django 1.4's timezone-aware datetimes

### 0.9.4

- Bump django-licenses version to 0.2.5
- Increase imagekit maxsize for fields because iTunes spec now allows artwork up to 1400x1400px
- Fix for autoslug: <https://github.com/rizumu/django-podcasting/pull/11>
- Update authors
- Use django-nose for tests

### 0.9.3

- Bump imagekit version to 2.0.1
- Add the missing publish option for shows in admin #9

### 0.9.2

- Fix upload path for images, slugify was stripping the extension.
- Simply user relationships to episodes and shows. Most importantly changing 'authors' to an 'author\_text' charfield, and adding a Show.owner field. Requires a migration.
- Remove unused show feed templates which were part of old django syndication framework.
- Bump imagekit version to 1.1.0

### 0.9.1

- Many small fixes.
- Upgrade imagekit for better thumbnailing.
- Better forms and internationalized templates.

### 0.9.0

- First release.