djangocms-page-meta Documentation

Release 1.4.4

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ONE

DJANGOCMS-PAGE-META

Meta tag information for django CMS 3 pages

Python: 3.9, 3.10, 3.11

Django: 3.2, 4.1, 4.2

django CMS: 3.9, 3.11

1.1 Quickstart

1. A working django CMS environment is required for djangocms-page-meta to work. Refer to django CMS documentation for how to install and configure django CMS.
2. Install djangocms-page-meta:

   ```
   $ pip install djangocms-page-meta
   ```

   or from the repository:

   ```
   pip install -e git+https://github.com/nephila/djangocms-page-meta#egg=djangocms-
   ↪page-meta
   ```

3. Then add it to INSTALLED_APPS along with its dependencies:

   ```
   "filer",
   "meta",
   "easy_thumbnails",
   "djangocms_page_meta",
   ```

4. Migrate the database:

   ```
   $ python manage.py migrate
   ```

5. Configuration:

   See usage and configuration section in the documentation.

6. That's all!

Note: Enabling this will **hide** django CMS own **Meta description** field to keep all the meta information in the same part of the interface. If the django CMS field is set, it will still be shown (and used by djangocms-page-meta).

1.2 django-app-enabler support

django-app-enabler is supported.

You can either

- Installation & configuration: `python -mapp_enabler install djangocms-page-meta`
- Autoconfiguration: `python -mapp_enabler enable djangocms_page_meta`

Fully using this package will require some template changes that cannot be modified by `django-app-enabler`:

- Load template tag in the page like outlined in usage page;
- Run migrations: `python manage.py migrate`

Check usage documentation for details.

1.2.1 Dependencies

- django-filer
- django-meta

1.3 Documentation

For package documentation see https://djangocms-page-meta.readthedocs.io/.

CHAPTER

TWO

CONFIGURATION

2.1 Settings

2.1.1 PAGE_META_DESCRIPTION_LENGTH

Set the max length of the HTML meta description field. Default is `320`.

2.1.2 PAGE_META_TWITTER_DESCRIPTION_LENGTH

Set the max length of the Twitter card description field. Default is `280`.

2.1.3 PAGE_META_ROBOTS_CHOICES

Set all the available choices for robots meta tag. Default is:

```
(
    ("none", _("None [noindex, nofollow]")),
    ("noindex", _("No Index")),
    ("nofollow", _("No Follow")),
    ("noimageindex", _("No Image Index")),
    ("nosnippet", _("No Snippet")),
    ("noarchive", _("No Archive")),
    ("notranslate", _("No Translate")),
    ("nositelinkssearchbox", _("No Site Links Search Box")),
)
```

2.2 django-meta configuration

djangocms-page-meta needs a working django-meta configuration, especially the template setup section.

Please check django-meta configuration for complete settings details.

CHAPTER

THREE

USAGE

3.1 Assigning meta information to pages / titles

Meta information can be assigned from the admin interface or the toolbar.

In the toolbar you will find a `Meta-information` submenu in the `Page` menu, with three or more sub-items:

- Default meta image: it allows to add a default meta image, that will be used in all pages if no specific page image is set.
- Common: it allows to edit page-wide (language independent) meta information;
- One entry per active language to edit language dependent information.

3.2 Rendering meta information

To render provided meta information you must add these lines in the main template:

```
{% load page_meta_tags %}
{% page_meta request.current_page as page_meta %}

[...]
<!-- This must be in the head -->
{% include 'djangocms_page_meta/meta.html' with meta=page_meta %}
```

When using microdata from [Schema.org](https://schema.org/docs/gs.html#microdata_how), you must add the type attribute to the body or html tag:

```
{% autoescape off %}
<html {% schemaorg_html_scope page_meta.schemaorg_type %}>
{% endautoescape %}
```

or:

```
{% autoescape off %}
<body {% schemaorg_html_scope page_meta.schemaorg_type %}>
{% endautoescape %}
```

Don't forget to load `meta` in your template!

```
{% load cms_tags menu_tags sekizai_tags page_meta_tags meta %}
```

3.3 Supported attributes

`djangocms-page-meta` currently offers partial support for OpenGraph, Twitter Cards, Schema.org microdata and robots meta tag. As a generic application `djangocms-page-meta` cannot cover every use case while still being useful to most people.

3.3.1 Generic HTML

- description: HTML meta description of the page
- keywords: HTML meta keywords

Note: Enabling this will **hide** django CMS own **Meta description** field to keep all the meta information in the same part of the interface. If the django CMS field is set, it will still be shown (and used by djangocms-page-meta).

3.3.2 OpenGraph

The following properties are supported:

- og:title
- og:url
- og:description
- og:image
- og:type
- og:site_name
- og:locale
- article:author:url
- article:author:first_name
- article:author:last_name
- article:published_time
- article:modified_time
- article:expiration_time
- article:publisher
- article:tag
- fb:app_id
- fb:profile_id
- fb:pages

See Facebook OpenGraph documentation for more information about each property.

3.3.3 Twitter Cards

The following properties are supported:

- twitter:domain
- twitter:card
- twitter:title
- twitter:url
- twitter:description
- twitter:image
- twitter:creator
- twitter:site_name

See Twitter documentation for more information about each property.

3.3.4 Schema.org microdata

Support for Schema.org microdata is very basic, and limited to the `<html>` & `<body>` tags. You might need to further customize the markup according to you specific content.

As of now support is limited to the the following data:

- rel=author, via `link rel="author"` in the `<head>`
- name
- image
- datePublished
- dateModified
- url
- description
- image
- type (i.e. itemscope), appended to `<html>` or `<body>` tag

Currently all the accepted values for **type** are provided as valid choices; not all of them are actually sensible values for CMS pages and `djangocms-page-meta` offers limited support for the attributes required by some accepted types.

`Article` or `Blog` type should be sensible for most use cases.

3.4 Generic meta

If different metas are needed, a generic model exists that allows to add custom metas.

Both `PageMeta` and `TitleMeta` provides an inline model that allows to define custom metas; model provides three fields:

- attribute: meta attribute
- name: name of the meta
- value: value of the meta

Each inline will be rendered as:

```
<meta {{ attribute }}="{{ name }}" content="{{ value }}" />
```

3.5 Templatetags

3.5.1 page_meta

`page_meta` templatetags extract information from the given page to a context variable that can be passed to the included template for rendering.

Arguments:

- `page`: a page instance (tipically current page);
- `varname`: the name of the context variable to save data to.

CHAPTER

FOUR

DJANGOCMS_PAGE_META.UTILS

Warning: While functions in this module can be used in code to work with the data, they are by no means to be considered as a stable API, so they may change in future release.

`djangocms_page_meta.utils.`**`get_cache_key`**(*page*, *language*)

Create the cache key for the current page and language

`djangocms_page_meta.utils.`**`get_page_meta`**(*page*, *language*)

Retrieves all the meta information for the page in the given language

Parameters

- **`page`** – a Page instance
- **`lang`** – a language code

Returns

Meta instance

Type

object

CHAPTER

FIVE

CONTRIBUTING

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

Please read the instructions here to start contributing to *djangocms-page-meta*.

CHAPTER

SIX

CREDITS

6.1 Development Lead

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6.2 Contributors

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- Tadas Dailyda
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- Venelin Stoykov

- Vladimir Kuvandjiev
- Zan Anderle

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HISTORY

7.1 1.4.4 (2024-01-16)

7.1.1 Features

- Switch to Coveralls Github action (#189)

7.1.2 Bugfixes

- Pin Django CMS version < 4 (#197)

7.2 1.4.3 (2023-09-27)

7.2.1 Bugfixes

- Set default_auto_field in AppConfig to avoid migrations problem if DEFAULT_AUTO_FIELD is different (#181)

7.3 1.4.2 (2023-09-26)

7.3.1 Bugfixes

- Bump django-meta version, fix settings accordingly (#178)

7.4 1.4.1 (2023-09-20)

7.4.1 Features

- Migrate to bump-my-version, fix python/django/djangocms versions in README (#176)

7.4.2 Bugfixes

- Update filer dependency to avoid migration error from 155.feature (#173)

7.5 1.4.0 (2023-08-31)

7.5.1 Features

- Add DefaultMetaImage model to handle default meta image (#155)

7.6 1.3.0 (2023-08-07)

7.6.1 Features

- Add meta robots (#116)

7.7 1.2.0 (2023-05-08)

7.7.1 Features

- Update GH actions / linting configuration (#157)
- Add support for Django 4.2 / django CMS 3.11

7.8 1.1.0 (2022-08-27)

7.8.1 Bugfixes

- Skip creating toolbar item in page types (#150)
- Add support for Django 3.2 / django CMS 3.10 (#151)

7.9 1.0.1 (2020-12-21)

7.9.1 Features

- Add configuration for django-app-enabler (#141)

7.10 1.0.0 (2020-11-18)

7.10.1 Features

- Update tooling and drop Python 2 / Django < 2.2 compatibility (#135)
- Add support for django CMS 3.8 / Django 3.1
- Add support for django-meta 2.0

7.10.2 Bugfixes

- Fix setup.cfg and pyproject.toml package name (#138)

7.11 0.10.0 (2019-12-27)

- Move from djangocms-helper to django-app-helper
- Improve toolbar performance

7.12 0.9.0 (2019-08-22)

- Add support for django CMS 3.7 / Django 2.2
- Remove support for Django < 1.11 / Python 3.4

7.13 0.8.5 (2019-03-22)

- Fix error in migration missing on_delete argument

7.14 0.8.4 (2019-03-11)

- Add Django 2.0 and Django 2.1 compatibility
- Add django CMS 3.6 compatibility
- Fixes a crash on creating new pagetype with djangocms 3.5.2

7.15 0.8.3 (2018-04-07)

- Remove description when creating a CMS page
- Provide page dates meta if PageMeta does not exists
- Improve compatibility with Django 3.5

7.16 0.8.2 (2018-02-22)

- Change method of patching PageAdmin for better compatibility with other addons

7.17 0.8.1 (2018-02-17)

- Fix duplicate GenericMetaAttribute on publish
- Fix error on Divio cloud when description fields length is not set

7.18 0.8.0 (2018-01-14)

- Add Django 1.11 support
- Add django CMS 3.5 support
- Drop django CMS 3.2, 3.3
- Add support for filer canonical URL
- Do not fail if request is not in context
- Make HTML and twitter description fields length configurable

7.19 0.7.0 (2016-12-04)

- Drop Django 1.7 and below
- Drop django CMS 3.1 and below
- Add Django 1.10 support

7.20 0.6.3 (2016-10-22)

- Added support for django CMS 3.4

7.21 0.6.2 (2016-08-01)

- Conditionally show page description field if not empty

7.22 0.6.1 (2016-06-20)

- Drop unique index on generic meta attributes

7.23 0.6 (2016-06-05)

- Let settings be used as defaults
- Added support for fb_pages attribute
- Added support for generic meta attributes

7.24 0.5.11 (2016-03-17)

- Make object type not required

7.25 0.5.10 (2016-03-03)

- Fix handling Google+ author URL

7.26 0.5.9 (2016-02-25)

- Fix issue with Django 1.9

7.27 0.5.8 (2016-02-23)

- Improve Aldryn support
- Catch AttributeError in get_page_meta

7.28 0.5.7 (2016-01-09)

- Fix handling of pages in non existing languages
- Add support for Aldryn environment

7.29 0.5.6 (2015-10-03)

- Fix error when retrieing tags from djangocms-page-tags
- Add support for django CMS 3.2
- Add support for Django 1.8

7.30 0.5.5 (2015-08-21)

- Different approach at fix error when page is None
- Better fallback mechanism
- Update i18n

7.31 0.5.4 (2015-08-08)

- Fix error when page is None
- Code cleanup
- Add pep8/isort to tests
- Add missing migration

7.32 0.5.3 (2015-06-29)

- Fix Django 1.7 migration
- Update testing configuration

7.33 0.5.2 (2015-06-28)

- Compatibility with django CMS 3.1.1

7.34 0.5.1 (2015-06-06)

- Make south migrations indipendent from djangocms-helper

7.35 0.5 (2015-06-06)

- Add support for custom user model
- Fix the length of SEO fields
- Use djangocms-helper for tests
- Add support for Django 1.7
- Add support for django CMS 3.1

7.36 0.4.1 (2014-08-10)

- Minor fixes

7.37 0.4.0 (2014-04-19)

- django CMS 3 final release support
- Moved some code to external django-meta-mixin application

7.38 0.3.3 (2014-03-23)

- Better support for sn-dependent descriptions

7.39 0.3.2 (2014-03-07)

- Add different descriptions for each supported social network

7.40 0.3.1 (2014-02-13)

- Fix permission name

7.41 0.3.0 (2014-02-02)

- Fix for django CMS 3 develop update

7.42 0.2.1 (2014-01-26)

- Vendorizing django-meta compatibility templatetags

7.43 0.2.0 (2014-01-22)

- Put toolbar menu items in a submenu

7.44 0.1.0 (2014-01-21)

- Experimental release.

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- modindex
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