django-json-dbindex Documentation

Release 1.1.0

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Contents

Describe your database index in json files into your apps

Detailed documentation is in the "docs" directory.

Quick start

1. Add "json_dbindex" to your INSTALLED_APPS setting like this:

```
INSTALLED_APPS = (
    ...
    'json_dbindex',
)
```

2. Run *python manage.py list_jsindex* to list all defined indexes.

Create indexes

Create a file in you app directory called *dbindex_create.json* with following contents

[{**"name": "django_site_composite_idx",** "table": "django_site", "column": ["domain","name"], "predicat": "WHERE id > 1000", "using": "btree", "database": "default", "unique": yes}]

Trying to create an existing index will not generate an error, only a logging at level notice will be raised.

Drop indexes

Create a file in you app directory called *dbindex_drop.json* with following contents.

[{"name": "django_site_composite_idx"}, {"name": "django_site_domain_idx"}]

Only the name is required. In the above example two indexes will be dropped. Trying to drop a non existing index will not generate an error, only a logging at level notice will be raised.

3.1 Contents

3.1.1 Install

django-json-dbindex is open-source software, published under BSD license. See *License* for details.

If you want to install a development environment, you should go to *Contributing* documentation.

Prerequisites

- Python [1] 2.7, 3.3 or 3.4. Other versions may work, but they are not part of the test suite at the moment.

As a library

In most cases, you will use *django-json-dbindex* as a dependency of another project. In such a case, you should add django-json-dbindex in your main project's requirements. Typically in setup.py:

```python
from setuptools import setup

setup(
    install_requires=[
        'django-json-dbindex',
        #...
    ]
    # ...
)
```

Then when you install your main project with your favorite package manager (like pip [2]), *django-json-dbindex* will automatically be installed.

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[1] https://www.python.org/

[2] https://pypi.python.org/pypi/pip/

Standalone

You can install *django-json-dbindex* with your favorite Python package manager. As an example with pip [2]:

```
pip install django-json-dbindex
```

Check

Check *django-json-dbindex* has been installed:

```
python -c "import django_json_dbindex;print(django_json-dbindex.__version__)"
```

You should get *django_json_dbindex*'s version.

References

3.1.2 About django-docusign

This section is about the *django-docusign* project itself.

Vision

django-json-dbindex helps you integrate and use complex indexes within a Django project.

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Developers: https://github.com/novapost/django-json-dbindex/graphs/contributors

Notes & references

Changelog

This document describes changes between each past release. For information about future releases, check milestones [4] and *Vision*.

1.1.0 (2014-11-24)

- Thanks to Bruno Bord, management commands now use stdout instead of print

1.0.2 (2014-11-14)

- FIX create_index and drop_index when database is not set

1.0.1 (2014-11-14)

- FIX index_exists

1.0.0 (2014-11-14)

- support multi database

0.0.2 (2014-09-29)

- FIX changelog dates
- FIX error in util.get_app_paths

0.0.1 (2014-09-29)

Initial release.

- First release of django-json-dbindex, compatibility with PostgreSQL only.

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[3] http://www.people-doc.com
[4] https://github.com/novapost/django-json-dbindex/milestones

Notes & references

3.1.3 Contributing

This document provides guidelines for people who want to contribute to the *django-json-dbindex* project.

Create tickets

Please use django-json-dbindex bugtracker [5] **before** starting some work:

- check if the bug or feature request has already been filed. It may have been answered too!

- else create a new ticket.

- if you plan to contribute, tell us, so that we are given an opportunity to give feedback as soon as possible.

- Then, in your commit messages, reference the ticket with some `refs #TICKET-ID` syntax.

Use topic branches

- Work in branches.

- Prefix your branch with the ticket ID corresponding to the issue. As an example, if you are working on ticket #23 which is about contribute documentation, name your branch like `23-contribute-doc`.

- If you work in a development branch and want to refresh it with changes from master, please rebase [6] or merge-based rebase [7], i.e. do not merge master.

Fork, clone

Clone *django-json-dbindex* repository (adapt to use your own fork):

```
git clone git@github.com:novapost/django-json-dbindex.git
cd django-json-dbindex/
```

Usual actions

The *Makefile* is the reference card for usual actions in development environment:

- Install development toolkit with pip [8]: `make develop`.

- Run tests with tox [9]: `make test`.

- Build documentation: `make documentation`. It builds Sphinx [10] documentation in *var/docs/html/index.html*.

- Release *django-json-dbindex* project with zest.releaser [11]: `make release`.

- Cleanup local repository: `make clean`, `make distclean` and `make maintainer-clean`.

See also `make help`.

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[5] https://github.com/novapost/django-json-dbindex/issues
[6] http://git-scm.com/book/en/Git-Branching-Rebasing
[7] http://tech.novapost.fr/psycho-rebasing-en.html
[8] https://pypi.python.org/pypi/pip/
[9] https://pypi.python.org/pypi/tox/
[10] https://pypi.python.org/pypi/Sphinx/
[11] https://pypi.python.org/pypi/zest.releaser/

Notes & references

3.2 Indices and tables

- *genindex*
- *modindex*
- *search*