
django-invitations Documentation

Release 2.0.0

Jazzband

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Generic invitations solution with adaptable backend and support for django-allauth. All emails and messages are fully customisable.

Originally written as an invitations solution for the excellent [django-allauth](#), this app has been refactored to remove the allauth dependency whilst retaining 100% backwards compatibility.

INSTALLATION

1.1 Requirements

Python 3.7 to 3.10 supported.

Django 3.2 to 4.0 supported.

1.2 Installation

1. Install with **pip**:

```
python -m pip install django-invitations
```

2. Add “django.contrib.sites” and “invitations” to INSTALLED_APPS

```
INSTALLED_APPS = [  
    ...  
    "django.contrib.sites",  
    "invitations",  
    ...  
]
```

Note: Allauth support

For allauth support invitations must come after allauth in the INSTALLED_APPS

3. Make sure you have SITE_ID defined in settings:

```
...  
SITE_ID = 1  
...
```

3. Add invitations urls to your urlpatterns:

```
urlpatterns = [  
    ...  
    path("invitations/", include('invitations.urls', namespace='invitations')),  
    ...  
]
```

4. Run migrations

```
python manage.py migrate
```


There are two primary ways to use *django-invitations* described below.

Generic Invitation flow:

- Privileged user invites prospective user by email (via either Django admin, form post, JSON post or programmatically)
- User receives invitation email with confirmation link
- User clicks link and is redirected to a preconfigured url (default is accounts/signup)

Allauth Invitation flow:

- As above but..
- User clicks link, their email is confirmed and they are redirected to signup
- The signup URL has the email prefilled and upon signing up the user is logged into the site

Further details can be found in the following sections.

2.1 Allauth Integration

As above but note that invitations must come after allauth in the `INSTALLED_APPS`

Set the allauth `ACCOUNT_ADAPTER` setting

```
ACCOUNT_ADAPTER = 'invitations.models.InvitationsAdapter'
```

2.2 Sending Invites

First import the model:

```
from invitations.utils import get_invitation_model
```

Make an instance of the model:

```
Invitation = get_invitation_model()
```

Then finally pass the recipient to the model and send.

```
# inviter argument is optional
invite = Invitation.create('email@example.com', inviter=request.user)
invite.send_invitation(request)
```

To send invites via django admin, just add an invite and save.

2.3 Bulk Invites

Bulk invites are supported via JSON. Post a list of comma separated emails to the dedicated URL and Invitations will return a data object containing a list of valid and invalid invitations.

2.4 Signals

The following signals are emitted:

- `invite_url_sent`
- `invite_accepted`

2.5 Management Commands

Expired and accepted invites can be cleared with the `clear_expired_invitations` management command:

```
python manage.py clear_expired_invitations
```

CONFIGURATION

3.1 General settings

3.1.1 INVITATION_EXPIRY

Setting name: `INVITATIONS_INVITATION_EXPIRY`

Type: Integer

Default: 3

How many days before the invitation expires.

3.1.2 CONFIRM_INVITE_ON_GET

Setting name: `INVITATIONS_CONFIRM_INVITE_ON_GET`

Type: Boolean

Default: True

If confirmations can be accepted via a *GET* request.

3.1.3 ACCEPT_INVITE_AFTER_SIGNUP

Setting name: `INVITATIONS_ACCEPT_INVITE_AFTER_SIGNUP`

Type: Boolean

Default: False

If `True`, invitations will be accepted after users finish signup. If `False`, invitations will be accepted right after the invitation link is clicked. Note that this only works with Allauth for now, which means `ACCOUNT_ADAPTER` has to be `invitations.models.InvitationsAdapter`.

3.1.4 GONE_ON_ACCEPT_ERROR

Setting name: `INVITATIONS_GONE_ON_ACCEPT_ERROR`

Type: Boolean

Default: `True`

If *True*, return an HTTP 410 GONE response if the invitation key is invalid, or the invitation is expired or previously accepted when accepting an invite. If *False*, display an error message and redirect on errors:

- Redirects to `INVITATIONS_SIGNUP_REDIRECT` on an expired key
 - Otherwise, redirects to `INVITATIONS_LOGIN_REDIRECT` on other errors.
-

3.1.5 ALLOW_JSON_INVITES

Setting name: `INVITATIONS_ALLOW_JSON_INVITES`

Type: Boolean

Default: `False`

Expose a URL for authenticated posting of invitees

3.1.6 SIGNUP_REDIRECT

Setting name: `INVITATIONS_SIGNUP_REDIRECT`

Type: String

Default: `"account_signup"`

URL name of your signup URL.

3.1.7 LOGIN_REDIRECT

Setting name: `INVITATIONS_LOGIN_REDIRECT`

Type: String

Default: `LOGIN_URL` from Django settings

URL name of your login URL.

3.1.8 ADAPTER

Setting name: `INVITATIONS_ADAPTER`

Type: String

Default: `"invitations.adapters.BaseInvitationsAdapter"`

Used for custom integrations. Set this to `ACCOUNT_ADAPTER` if using django-allauth.

3.1.9 EMAIL_MAX_LENGTH

Setting name: `INVITATIONS_EMAIL_MAX_LENGTH`

Type: Integer

Default: 254

If set to *None* (the default), invitation email max length will be set up to 254. Set this to an integer value to set up a custom email max length value.

3.1.10 EMAIL_SUBJECT_PREFIX

Setting name: `INVITATIONS_EMAIL_SUBJECT_PREFIX`

Type: String or None

Default: None

If set to *None* (the default), invitation email subjects will be prefixed with the name of the current Site in brackets (such as *[example.com]*). Set this to a string to for a custom email subject prefix, or an empty string for no prefix.

3.1.11 INVITATION_MODEL

Setting name: `INVITATIONS_INVITATION_MODEL`

Type: String

Default: `invitations.Invitation`

App registry path of the invitation model used in the current project, for customization purposes.

3.1.12 INVITE_FORM

Setting name: `INVITATIONS_INVITE_FORM`

Type: String

Default: `invitations.forms.InviteForm`

Form class used for sending invites outside admin.

3.1.13 ADMIN_ADD_FORM

Setting name: `INVITATIONS_ADMIN_ADD_FORM`

Type: String

Default: `invitations.forms.InvitationAdminAddForm`

Form class used for sending invites in admin.

3.1.14 ADMIN_CHANGE_FORM

Setting name: `INVITATIONS_ADMIN_CHANGE_FORM`

Type: String

Default: `invitations.forms.InvitationAdminChangeForm`

Form class used for updating invites in admin.

3.1.15 CONFIRMATION_URL_NAME

Setting name: `INVITATIONS_CONFIRMATION_URL_NAME`

Type: String

Default: `"invitations:accept-invite"`

Invitation confirmation URL

3.2 Allauth related settings

3.2.1 INVITATION_ONLY

Setting name: `INVITATIONS_INVITATION_ONLY`

Type: Boolean

Default: `False`

If the site is invite only, or open to all (only relevant when using allauth).

CONTRIBUTING

4.1 JazzBand project

As we are members of a [JazzBand project](<https://jazzband.co/projects>), *django-invitations* contributors should adhere to the [Contributor Code of Conduct](<https://jazzband.co/about/conduct>).

4.2 Testing

It's important that any new code is tested before submission. To quickly test code in your active development environment, you should first install all of the requirements by running:

```
source .venv/bin/activate
pip install -e '.[testing]' -U
```

Then, run the following command to execute tests:

```
pytest --cov-report term --cov=invitations --ignore=tests/allauth/ --ds=tests.settings_
↳ tests
```

To test the integration with django-allauth, first make sure you have it installed. Then run:

```
pytest --cov-report term --cov=invitations --ignore=tests/basic/ --ds=tests.settings_
↳ allauth tests
```

Testing in a single environment is a quick and easy way to identify obvious issues with your code. However, it's important to test changes in other environments too, before they are submitted. In order to help with this, *django-invitations* is configured to use *tox* for multi-environment tests. They take longer to complete, but can be triggered with a simple command:

```
tox
```


CHANGELOG

5.1 1.9 (2017-02-11)

- Added `get_signup_redirect` to allow custom implementations by subclasses
- Fixed invitation form displaying “None” when first displayed
- Fixed deprecation warnings
- Added `get_signup_redirect` to allow custom implementations by subclasses
- Fixed flake8 errors
- Import `reverse` from `django.urls` if available, otherwise fall back to old import
- Set `ForeignKey` field to explicitly cascade on deletion
- flake8 styling formatting
- Add email max length setting

5.2 1.8 (2016-10-19)

Not available

5.3 1.7 (2016-02-10)

- 1.7. [bee-keeper]
- Merge pull request #34 from percipient/dont-404. [bee-keeper]
Display a message on expired/erroneous/accepted keys.
- Fix flake8 issues. [Patrick Cloke]
- Fix a formatting mistake in the README. [Patrick Cloke]
- Display a message on expired/erroneous/accepted keys. Related to #25. [Patrick Cloke]
- Merge pull request #33 from percipient/readme-settings. [bee-keeper]
Fix-up the settings in the README
- Update the `INVITATIONS_ADAPTER` setting. [Patrick Cloke]
- Update the readme with all the settings. [Patrick Cloke]

- Removed unneeded check on send invite. [bee_keeper]
- Test new url spec. [bee_keeper]
- Merge pull request #32 from mjnaderi/patch-1. [bee-keeper]
- Remove RemovedInDjango110Warning warnings in Django 1.9. [Mohammad Javad Naderi]

5.4 1.6 (2016-01-10)

- V1.6. [bee_keeper]
- Dont override inviter from create step. [bee_keeper]
- Merge pull request #30 from percipient/allauth-with-custom-adapter. [bee-keeper]
Allow using custom allauth backends.
- Make flake8 happy. [Patrick Cloke]
- Don't return None from get_invitations_adapter. [Patrick Cloke]
- Merge pull request #31 from percipient/set-inviter. [bee-keeper]
Set the inviter in the SendInvite view.
- Set the inviter in the SendInvite view. [Patrick Cloke]
- Update README.md. [bee-keeper]

5.5 1.5 (2015-12-07)

- Update README.md. [bee-keeper]
- Merge pull request #24 from bee-keeper/devel. [bee-keeper]
Refactor as generic invite app
- Removed the dependency on django-allauth, this package is now a generic invite app. [bee_keeper]

5.6 1.4 (2015-11-27)

- 1.4. [bee_keeper]
- Merge pull request #23 from bee-keeper/devel. [bee-keeper]
Coverage and exposing inviter in admin
- Coverage and exposing inviter in admin. [bee_keeper]

5.7 1.3 (2015-11-26)

- Merge pull request #22 from bee-keeper/devel. [bee-keeper]
Added inviter to invitation
- Added inviter to invitation. [bee_keeper]
- Merge pull request #21 from bee-keeper/devel. [bee-keeper]
Support for django1.9
- Testing for django1.9 and python 3.5. [bee_keeper]
- Merge pull request #20 from bee-keeper/devel. [bee-keeper]
Added json endpoint for invites
- Added json endpoint for invites. [bee_keeper]
- Merge pull request #19 from bee-keeper/devel. [bee-keeper]
Made accept trailing slash optional
- Made trailing slash optional and added flake8 to CI. [bee_keeper]
Bumped to version 1.3
- Update models.py. [bee-keeper]
- Roadmap. [bee_keeper]

5.8 1.2 (2015-08-29)

- Test coverage done, ready for 1.2 release. [bee_keeper]
- Dropping support for python 3.2. [bee_keeper]
- Dropping support for python 3.2. [bee_keeper]
- Signal test coverage, tweaking tox. [bee_keeper]
- Coverage. [bee-keeper]
- Tox+travis. [bee-keeper]
- Tox. [bee-keeper]
- Tox+travis. [bee-keeper]
- Testing tox+travis. [bee-keeper]
- Testing tox+travis. [bee-keeper]
- Tox file. [bee_keeper]
- Py3 fix. [bee_keeper]
- Test for signup redirect. [bee_keeper]
- Update README.md. [bee-keeper]
- Py 3.2. [bee_keeper]
- Py 3.2. [bee-keeper]
- Print. [bee-keeper]

- Tests and bug fixes. [bee-keeper]

5.9 1.1 (2015-08-05)

- V 1.1. [bee_keeper]
- Readme. [bee_keeper]
- Modified PR (15) + editorconfig. [bee_keeper]
- Merge branch 'nwaxiomatic-master' [bee_keeper]
- Admin invitations. [Nic]

sends invitations from admin on save

5.10 1.0 (2015-07-26)

- Release 1.0. [bee_keeper]
- Requirements. [bee_keeper]
- Changing travis supported versions. [bee_keeper]
- Travis. [bee_keeper]
- Travis. [bee_keeper]
- Remove 2.6 from testing. [bee_keeper]
- Requirements and changelog. [bee_keeper]
- Test settings. [bee_keeper]
- Requirements.txt. [bee_keeper]
- Travis. [bee_keeper]
- Removing unneeded imports. [bee_keeper]
- Removed ALLOWED_GROUPS setting. [bee_keeper]
- Merge pull request #12 from tbarbugli/patch-1. [bee-keeper]
fix invite form
- Fix invite form. [Tommaso Barbugli]
- Update views.py. [bee-keeper]
- Teavis. [bee_keeper]
- Travis. [bee_keeper]
- Travis. [bee_keeper]
- Travis. [bee_keeper]
- Travis. [bee_keeper]
- Travis. [bee_keeper]
- App settings. [bee_keeper]

- Merge pull request #6 from simonv3/master. [bee-keeper]
- # Redo pull request of adding inviter to signal.
- Add reference to inviter in signal. [Simon]
- .travis.yml. [bee_keeper]
- .travis.yml. [bee_keeper]
- Readme. [bee_keeper]
- Fixing py3.2 import issues. [bee_keeper]
- Invitations/app_settings.py. [bee_keeper]
- Py3.2 issue. [bee_keeper]
- Typo with import. [bee_keeper]
- Module object has no attribute issue with 3.2. [bee_keeper]
- Fixes import issue. [bee_keeper]
- Py 3.2 unicode issue. [bee_keeper]
- Travis. [bee_keeper]
- Travis config. [bee_keeper]
- Py3.2 format. [bee_keeper]
- .travis.yml. [bee_keeper]
- .travis.yml. [bee_keeper]
- .travis.yml. [bee_keeper]
- .travis.yml. [bee_keeper]
- .travis.yml. [bee_keeper]
- .travis.yml. [bee_keeper]
- Test settings and more test coverage. [bee_keeper]
- Tests and refactoring. [bee_keeper]
- New style migrations. [bee_keeper]
- 1.7 style migrations. [bee_keeper]

5.11 0.12 (2014-11-30)

- Release. [bee_keeper]

5.12 0.11 (2014-11-30)

- Template paths. [bee_keeper]
- Setup.py. [bee_keeper]
- Packaging. [bee_keeper]
- Versions. [bee_keeper]

5.13 0.1 (2014-11-30)

- Packaging. [bee_keeper]
- Include templates in package. [bee_keeper]
- Packaging. [bee_keeper]
- Template path. [bee_keeper]
- Template path. [bee_keeper]
- Name changes. [bee_keeper]

INDICES AND TABLES

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