Django neo-pastebin Documentation

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Contents

Pastebin module for Django.

Django neo-pastebin, also known as NPB, is a text storage module for the Django framework. It is designed to be easily integrated into your website and customizable.

Internationalization

Supported languages are:

- `en`: English (generic)
- `fr`: French (generic)

Navigation

2.1 Quickstart

You can install Django neo-pastebin directly from PyPI:

```
pip install django-npb
```

2.1.1 Integrate with Django

Add django-npb to your INSTALLED_APPS:

```
INSTALLED_APPS = [
    [skiped],
    'npb.apps.NpbConfig',
]
```

Then add the URLs:

```
urlpatterns = [
    [skiped],
    path('paste/', include('npb.urls', namespace='npb')),
]
```

If you uses internationalization, you are encouraged to add the path your i18n_patterns instead.

2.1.2 Configure

To configure NPB once it is set up, see *Configuration options*.

2.2 Configuration options

The following configuration variables may be set in your project's settings.py file.

2.2.1 Common settings

NPB_ALLOW_ANONYMOUS

Define whether or not anonymous users are allowed to post. Default is "False".

NPB_DEFAULT_EXPIRATION

Set which expiration duration is selected by default. The value is a pytimeparse duration which is set in NPB_EXPIRATION_LENGTH. Default is the first NPB_EXPIRATION_LENGTH value.

```
NPB_DEFAULT_EXPIRATION = '1d'
```

NPB_DEFAULT_EXPOSURE

Default exposure for new pastes. Must be either "public", "unlisted" or "private". Default is "public".

NPB_EDIT_TOLERANCE

Set the tolerance time during which a paste can be edited without being labeled as so. Set to a negative value, it always shows the edit time. Set to a positive value, it represents the number of seconds after the creation time during which edits are not shown. Zero causes an undefined behavior. Default is 1.

NPB_EXPIRATION_LENGTH

Set the allowed expiration duration. It is a list of tuples where the first element if a pytimeparse duration (16 characters maximum) and the second one is the name to be displayed.

```
NPB_EXPIRATION_LENGTH = [
    ('15m', _('15 minutes')),
    ('1h', _('1 hour')),
    ('1d', _('1 day')),
    ('1w', _('1 week')),
    ('30d', _('30 days')),
    ('365d', _('365 days')),
    ('never', _('never')),
]
```

NPB_LOGIN_REDIRECT

If "NPB_ALLOW_ANONYMOUS" is "False", define whether or not anonymous users should be redirected to the login page ("True") or get a permission denied error ("False"). Default is "True".

NPB_PASTES_LIST_MAX

Maximum number of posts displayed in the "recent posts" list. Set it to zero if you want to disable the list. Default is 5.

NPB_REPORT_CATEGORIES

Set the list of reasons a paste can be reported to an administrator. It is a list of tuples where the first element if a short identifier (16 characters maximum) and the second one is the name to be displayed.

```
NPB_REPORT_CATEGORIES = [
    ('illicit', _('illicit content')),
    ('explicit', _('explicit content')),
    ('copyright', _('copyright infrigment')),
    ('private', _('private information exposure')),
    ('other', _('other')),
]
```

NPB_TAB_SIZE

Set the number of spaces needed to represent a tabulation. Default is 4.

NPB_X_FORWARDED_FOR

Defines how NPB must use the X-Forwarded-For HTTP header. The value must be one of the following:

- "none": Do not use the header at all.
- "first": Use the first IP listed as the end-user's one.
- "last": Use the last IP listed as the end-user's one.

Default is "none".

2.2.2 Development settings

NPB_CSS_CLASS

Name of the generated CSS file for syntax highlighting.

2.3 Customize

2.3.1 Add fields to the forms

There is many reason to use a custom form. The most obvious one is to add your favorite captcha engine. Fortunately, it is very simple to add such custom fields.

First, you need to build the form itself by overloading one of the default one. Base it upon npb.forms.PasteForm or npb.forms.ReportForm depending on which form you want to extend.

```python
from django.utils.translation import gettext_lazy as _
from npb.forms import PasteForm, ReportForm
from django import forms


class MyCustomForm(PasteForm):
    my_field = forms.CharField(
        label=_('My field'),
        max_length=128,
    )
```

Once your form is ready, pass it to the view.

```python
from django.urls import path
from npb import views as npb_views
from .forms import MyCustomForm


urlpatterns = [
    path(
        '',
        npb_views.CreatePasteView.as_view(form_class=MyCustomForm),
        name='index'
    ),
]
```

2.3.2 Editing the style

The simplest and more powerful way to edit the style is to override templates. The following templates are open to overriding:

npb/base.html

This template contains the HTML page's structure. It defines the following empty blocks that will be extended by other templates:

- `headers`: A place to add extra HTML headers.
- `title`: The page's title.
- `content`: The page's content.

It also displays Django's messages and, if activated, recent pastes.

npb/paste_detail.html

This template is used to render a specific paste. For this purpose, it uses the `paste` variable. Please refer to the `Past` object in order to list its available properties.

npb/paste_form.html

This template is where the new past form is rendered. It uses the `form` variable which is by default a `npb.PasteForm` object.

npb/report_form.html

Same as the new paste form but for a new report. The default associated form object is a `npb.ReportForm`.

recent_pastes

In your templates, you can load `recent_pastes` to have access to the following tags:

- `recent_pastes_activated`: True if the recent pastes list is activated, False otherwise.
- `recent_pastes`: Return an iterator over the most recent pastes.

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CHAPTER 3

Indices and tables

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