
Django Pehg Documentation

Release 0.1a

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March 26, 2013

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GETTING STARTED WITH PEHG

Pehg is a simple application that can be used to generate easy to use APIs for Django.

1.1 Installation

Pehg was designed to be as simple as possible to install and use. To install it, all you need to do is download the source and run the installer.

1.1.1 Dependencies

Pehg only has a few dependencies that you need to watch for. There are only two dependencies that are not optional:

- Django 1.3 - 1.5
- Python 2.5 - 2.7

Pehg may work on other configurations, but it is only tested on the above ones. There are some other dependencies that while they are not required, are recommended to install:

- **simplejson** While Pehg works with the default JSON libraries, simplejson is required for Python 2.5 It is recommended over the default JSON library as it works considerably faster.
- **pyyaml** The YAML serializer depends on pyyaml to serialize and unserialize the data.

1.1.2 Install Pehg using Pip

At the moment, Pehg is not available on Pip. You can still install Pehg using pip with the tarball that is available through GitHub.:

```
pip install https://github.com/kevin-brown/django-pehg/archive/master.tar.gz#egg=pehg
```

1.1.3 Install Pehg from Git

You can build and install Pehg from the source that is available on GitHub.:

```
git clone https://github.com/kevin-brown/django-pehg.git pehg
cd pehg
python setup.py install
```

This will clone the Pehg repository on GitHub and run the installer which is included with pehg.

1.2 Setting up the API

We recommend placing the components for your API in a file called `api.py` in your application folder, but you can place them anywhere in your project. Pehg provides a simple method of versioning using the Resource object.:

```
# app/api.py
from pehg.resources import ModelResource
from .models import Apple

class AppleResource(ModelResource):
    model = Apple
    resource_name = "apple"
```

In this example we are using a `ModelResource` that is attached to an `Apple` model. `Apple` is a simple model with a few fields which aren't as important, the Resource will be set up to match the fields on the Model.

Pehg also comes with an `Api` object which can be used to manage multiple resources at once.:

```
# app/urls.py
from django.conf.urls import patterns, url
from pehg.api import Api
from .api import AppleResource

api = new Api()
api.register_resource(AppleResource())

urlpatterns = patterns("",
    url(r"api/", include(api.urls),
    url(r"apples/", includes(AppleResource().urls)),
)
```

You can use the `Api` objects to combine multiple resources under one roof (in this example we are only using the single `AppleResource`) or you can hook up individual resources to your `urlconf`. This gives you the flexibility of determining where you want certain resources to be accessed from.

After adding the urls to the `urlconf`, quite a few new urls are available to you:

- <http://localhost:8000/api/v1/>
- <http://localhost:8000/api/v1/apple.json>
- <http://localhost:8000/api/v1/apple.xml>
- <http://localhost:8000/api/v1/apple/>