

Setup django static and media files in AWS s3 bucket

Setup django project

```
$ mkdir mysite
$ cd mysite
$ pipenv --python 3.10
$ pipenv shell
$ pipenv install django pillow django-storages boto3
$ django-admin startproject mysite .
$ python manage.py startapp myapp
```

Open file mysite > mysite > [settings.py](#)

```
INSTALLED_APPS = [
    ...,
    'storages',
    'myapp',
]

STATIC_URL = '/static/'
MEDIA_URL = '/images/'
STATICFILES_DIRS = [
    BASE_DIR / 'static',
]

MEDIA_ROOT = BASE_DIR / 'static/images'
STATIC_ROOT = BASE_DIR / 'staticfiles'

AWS_QUERYSTRING_AUTH = False
DEFAULT_FILE_STORAGE = 'storages.backends.s3boto3.S3Boto3Storage'

STATICFILES_STORAGE = 'storages.backends.s3boto3.S3Boto3Storage'

AWS_ACCESS_KEY_ID = 'your_access_key'
AWS_SECRET_ACCESS_KEY = 'your_secret_access_key'

AWS_STORAGE_BUCKET_NAME = 'your_bucket_name'
```

Open file mysite > mysite > [urls.py](#)

```
from django.urls import path, include
from django.contrib import admin

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('myapp.urls'))
]
```

Open file mysite > myapp > **models.py**

```
from django.db import models

class Demo(models.Model):
    name = models.CharField(max_length=50)
    image = models.ImageField()

    def __str__(self):
        return f'Demo {self.id}'
```

Open file mysite > myapp > **admin.py**

```
from django.contrib import admin
from myapp.models import Demo

admin.site.register(Demo)
```

Open file mysite > myapp > **views.py**

```
from django.shortcuts import render
from myapp.models import Demo

def home(request):
    demos = Demo.objects.all()
    return render(request, 'base.html', {'demos': demos})
```

Open file mysite > myapp > **urls.py**

```
from django.urls import path
from myapp import views

urlpatterns = [
    path('', views.home, name="home")
]
```

Create file mysite > myapp > templates > **base.html**

```
{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" />
  <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.10.2/dist/umd/popper.min.js" ></script>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.min.js"></script>
  <title>Document</title>
  <link rel="stylesheet" href="{% static 'css/index.css'%}">
</head>
<body>
  <div class="container">
    <h1 class="text-center my-4">Hello there</h1>
    {% for demo in demos %}
      
    {% endfor %}
  </div>
</body>
</html>
```



Run the server

```
$ python manage.py makemigrations
$ python manage.py migrate
$ python manage.py createsuperuser
$ python manage.py runserver
```