**1. Create a bucket and set this settings-**

**i)** **Permissions > Bucket policy:**

{

"Version": "2012-10-17",

"Statement": [

{

"Sid": "PublicRead",

"Effect": "Allow",

"Principal": "\*",

"Action": [

"s3:GetObject",

"s3:GetObjectVersion"

],

"Resource": "arn:aws:s3:::project-bucket-name/\*"

}

]

}

**ii) Permissions > Cross-origin resource sharing (CORS):**

[

{

"AllowedHeaders": [

"\*"

],

"AllowedMethods": [

"POST",

"GET",

"PUT",

"DELETE"

],

"AllowedOrigins": [

"\*"

],

"ExposeHeaders": []

}

]

**2. Install 'python-decouple', 'boto3' and 'django-storages' packages**

**3. Add 'storages' to INSTALLED\_APPS in settings.py file**

**4. Add credentials to .env file like this -**

AWS\_ACCESS\_KEY\_ID= YOUR\_AWS\_ACCESS\_KEY\_ID

AWS\_SECRET\_ACCESS\_KEY= YOUR\_AWS\_SECRET\_ACCESS\_KEY

AWS\_STORAGE\_BUCKET\_NAME= YOUR\_AWS\_STORAGE\_BUCKET\_NAME

AWS\_STORAGE\_BUCKET\_REGION=YOUR\_AWS\_STORAGE\_BUCKET\_REGION

USE\_S3=True

**5. Add these lines in settings.py file -**

USE\_S3 = config('USE\_S3') == 'True'

STATICFILES\_DIRS = [os.path.join(BASE\_DIR, 'templates/assets')]

if USE\_S3:

# # aws settings

AWS\_S3\_SIGNATURE\_VERSION = 's3v4'

AWS\_S3\_REGION\_NAME = config('AWS\_STORAGE\_BUCKET\_REGION')

AWS\_S3\_ADDRESSING\_STYLE = "virtual"

AWS\_S3\_FILE\_OVERWRITE = True

AWS\_DEFAULT\_ACL = None

AWS\_ACCESS\_KEY\_ID = config('AWS\_ACCESS\_KEY\_ID')

AWS\_SECRET\_ACCESS\_KEY = config('AWS\_SECRET\_ACCESS\_KEY')

AWS\_STORAGE\_BUCKET\_NAME = config('AWS\_STORAGE\_BUCKET\_NAME')

AWS\_S3\_OBJECT\_PARAMETERS = {'CacheControl': 'max-age=86400'}

# # s3 static settings

AWS\_LOCATION = 'static'

STATIC\_URL = f'https://{AWS\_STORAGE\_BUCKET\_NAME}.s3.amazonaws.com/{AWS\_LOCATION}/'

STATICFILES\_STORAGE = 'core.storage\_backends.StaticStorage'

MEDIAFILES\_LOCATION = 'media'

MEDIA\_URL = f'https://{AWS\_STORAGE\_BUCKET\_NAME}.s3.amazonaws.com/{MEDIAFILES\_LOCATION}/'

DEFAULT\_FILE\_STORAGE = 'core.storage\_backends.MediaStorage'

else:

STATIC\_URL = '/static/'

STATIC\_ROOT = os.path.join(BASE\_DIR, 'static')

MEDIA\_URL = '/media/'

MEDIA\_ROOT = os.path.join(BASE\_DIR, 'media')

**6. create storage\_backends.py in 'core' folder and add this line in the storage\_backends.py-**

from storages.backends.s3boto3 import S3Boto3Storage

class MediaStorage(S3Boto3Storage):

location = 'media'

file\_overwrite = False

AWS\_QUERYSTRING\_AUTH = True

class StaticStorage(S3Boto3Storage):

"""Querystring auth must be disabled so that url() returns a consistent output."""

querystring\_auth = False

7. Ref: [Storing Django Static and Media Files on Amazon S3 | TestDriven.io](https://testdriven.io/blog/storing-django-static-and-media-files-on-amazon-s3/)