

Deploy de uma API Django Rest Framework no Render



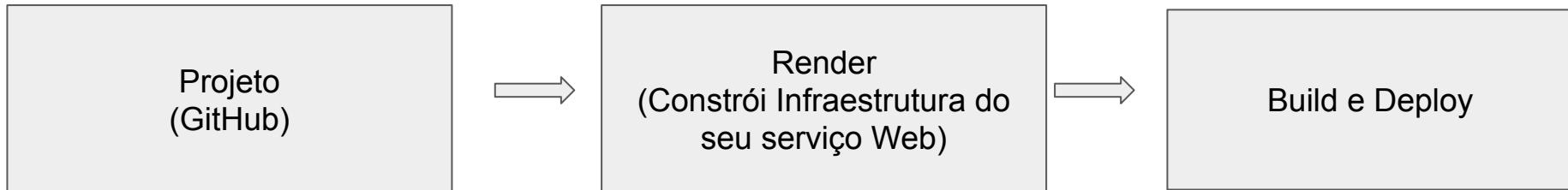
Sobre o Render

Render é uma plataforma unificada para **implantar e gerenciar aplicações, bancos de dados e sites estáticos.**



O que é deploy?

- Deploy é o processo de pegar sua **aplicação local** e **publicá-la em um servidor na internet**, tornando sua API acessível publicamente.
- O **Render** lê seu código diretamente de um **repositório Git**. Sem o GitHub, ele não consegue acessar seu projeto para fazer deploy.



Projeto Clínica - Passo 1

Na raiz do diretório do projeto, criar um arquivo requirements.txt com o seguinte conteúdo:

djangorestframework

gunicorn

whitenoise

Projeto Clínica - Passo 1

The screenshot shows the VS Code interface with the following details:

- Explorer Sidebar:** Shows the project structure under "API-CLINICA [CODESPACES: AUTOMATIC COUSCUS]". The "requirements.txt" file is selected.
- Editor Tab:** Displays the contents of "requirements.txt":

```
djangorestframework
gunicorn
whitenoise
```

A red arrow points from the bottom of the editor tab to the file name "requirements.txt".
- Terminal:** Shows the command prompt: `(venv) @gabrielscript-dev →/workspaces/api-clinica (main) $`
- Bottom Status Bar:** Includes icons for main file operations (Open, Save, Find, etc.) and status information: "Codespaces: automatic couscous", "main", "0 □ 0", "Finish Setup", "Layout: Portuguese (Brazilian ABNT)", and a bell icon.

Projeto Clínica - Passo 2

Agora vamos configurar duas constantes do arquivo de configuração [settings.py](#), que são:

- ALLOWED_HOSTS
- MIDDLEWARE

Observação: Tanto ALLOWED_HOSTS quanto MIDDLEWARE está presente no arquivo [settings.py](#), disponível na pasta **clinica**.

Projeto Clínica - Passo 2

ALLOWED_HOSTS : é uma lista de domínios autorizados a acessar sua aplicação Django.

```
core > ⚡ settings.py
15  # Build paths inside the project like this: BASE_DIR / 'subdir'.
16  BASE_DIR = Path(__file__).resolve().parent.parent
17
18
19  # Quick-start development settings - unsuitable for production
20  # See https://docs.djangoproject.com/en/5.2/howto/deployment/checklist/
21
22  # SECURITY WARNING: keep the secret key used in production secret!
23  SECRET_KEY = 'django-insecure-1(gh=e=7&*x^e%%33w!2*#jy9qgyktd8&@*luoqwm^9utf6q&'
24
25  # SECURITY WARNING: don't run with debug turned on in production!
26  DEBUG = True
27
28  ALLOWED_HOSTS = ['*'] ←
29
30
31  # Application definition
32
33  INSTALLED_APPS = [
34      'django.contrib.admin',
35      ...
36  ]
```

Por que adicionamos na lista o “*”?

- O Render só fornece sua URL depois que o deploy é criado. Como ainda não sabemos o domínio final, usamos “*” para permitir qualquer origem durante a fase inicial.
- Depois você pode substituir por (Opcional):
 - ALLOWED_HOSTS = ["seu-domínio.com"]

Projeto Clínica - Passo 2

Configurar constante MIDDLEWARE, adicionando **WhiteNoise**.

- O **WhiteNoise** serve os **arquivos estáticos** em produção.
- Adicione o WhiteNoise logo após o **SecurityMiddleware**.

```
MIDDLEWARE = [  
    "django.middleware.security.SecurityMiddleware",  
    "whitenoise.middleware.WhiteNoiseMiddleware",  
    ...  
]
```

```
core > 🌐 settings.py
```

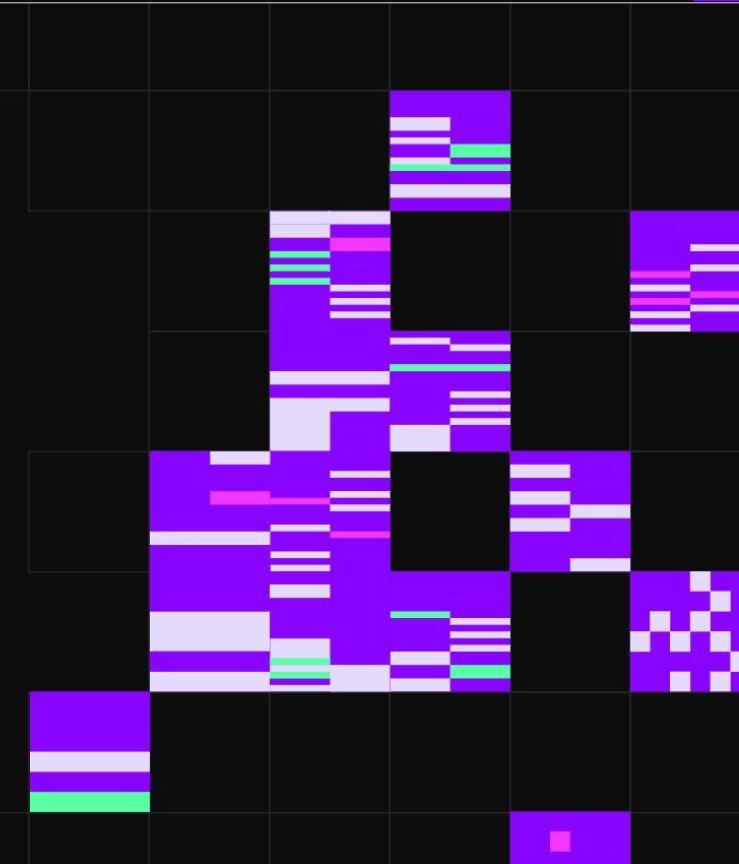
```
33 INSTALLED_APPS = [  
38     'django.contrib.messages',  
39     'django.contrib.staticfiles',  
40     'rest_framework',  
41     'cliente'  
42 ]  
43  
44 MIDDLEWARE = [  
45     'django.middleware.security.SecurityMiddleware',  
46     'whitenoise.middleware.WhiteNoiseMiddleware', ←  
47     'django.contrib.sessions.middleware.SessionMiddleware',  
48     'django.middleware.common.CommonMiddleware',  
49     'django.middleware.csrf.CsrfViewMiddleware',  
50     'django.contrib.auth.middleware.AuthenticationMiddleware',  
51     'django.contrib.messages.middleware.MessageMiddleware',  
52     'django.middleware.clickjacking.XFrameOptionsMiddleware',  
53 ]  
54  
55 ROOT_URLCONF = 'core.urls'  
56
```

Projeto Clínica - Passo 3

Acessar o render.com

Your fastest path to production

Build, deploy, and scale your apps with unparalleled ease – from your first user to your billionth

[Get Started for Free ➔](#)[Contact Sales ➔](#)

Create an account



GitHub



GitLab



Bitbucket



Google

Last used

or

Email

your@email.com

Password

correct horse battery staple



By signing up you agree to our [terms of service](#) and [privacy policy](#).

[Create Account](#)

Already have an account? [Sign in](#)

This site is protected by hCaptcha. Its [Privacy Policy](#) and [Terms of Service](#) apply.



G Gabriel Pereira's W...

Projects

Search K

+ New

Upgrade



Projects

Blueprints

Environment Groups

INTEGRATIONS

Observability

Webhooks

Notifications

NETWORKING

Private Links

WORKSPACE

Billing

Settings

Changelog

Invite a friend

Contact support

Render Status

Overview

Invite your team

Add new



You haven't created any services yet.

Deploy in just a few minutes. Spin up web services, static sites, cron jobs, and more.



[Deploy a Web Service](#) →

Dynamic web app. Ideal for full-stack apps, API servers, and mobile backends.



[Deploy a Static Site](#) →

Static content served over a global CDN. Ideal for frontend, blogs, and content sites.



[Create a Postgres database](#) →

Relational data storage. Supports point-in-time recovery, read replicas, and high availability.



[Explore all service types](#) →

Share feedback



G Gabriel Pereira's W...

New Web Service

Search K

+ New

Upgrade



New Web Service

Source Code

Git Provider Public Git Repository Existing Image

Search

Credentials (1)

- gabrielScript-dev / api-clinica 7m ago
- softexrecifepe / BFD-TURMA3-SAUDE360 4d ago
- gabrielScript-dev / AED 5d ago
- gabrielScript-dev / bfd-projeto-livraria 22d ago
- gabrielScript-dev / beecrowd Oct 12
- gabrielScript-dev / bfd-projeto-oo Oct 1
- gabrielScript-dev / bfd_projeto_ecundo_Sep 2



Name

A unique name for your web service.

example-service-name

Project Optional

Add this web service to a project once it's created.

Name

api-clinical

A unique name for your web service.

Project Optional

Add this web service to a project once it's created.

**Create a new project to add this to?**

You don't have any projects in this workspace. Projects allow you to group resources into environments so you can better manage related resources.

[+ Create a project](#)**Language**

Python 3

Choose the runtime environment for this service.

Branch

main

The Git branch to build and deploy.

Region

Oregon (US West)

Your services in the same region can communicate over a private network.

Root Directory Optional

If set, Render runs commands from this directory instead of the repository root. Additionally, code changes outside of this directory do not trigger an auto-deploy. Most commonly used with a monorepo.

e.g. src

Build Command

Render runs this command to build your app before each deploy.

```
$ pip install -r requirements.txt && python manage.py migrate
```

Start Command

Render runs this command to start your app with each deploy.

```
$ gunicorn core.wsgi:application
```

pip install -r requirements.txt && python manage.py migrate

Root Directory Optional

If set, Render runs commands from this directory instead of the repository root. Additionally, code changes outside of this directory do not trigger an auto-deploy. Most commonly used with a monorepo.

e.g. src

Build Command

Render runs this command to build your app before each deploy.

```
$ pip install -r requirements.txt && python manage.py migrate
```

Start Command

Render runs this command to start your app with each deploy.

```
$ gunicorn core.wsgi:application
```

gunicorn [nome da pasta do projeto].wsgi:application

No caso de vocês, será: gunicorn clinica.wsgi:application

Instance Type

For hobby projects

Free	512 MB (RAM)
\$0 / month	0.1 CPU

⚠ Upgrade to enable more features

Free instances spin down after periods of inactivity. They do not support SSH access, scaling, one-off jobs, or persistent disks. Select any paid instance type to enable these features.

For professional use

For more power and to get the most out of Render, we recommend using one of our paid instance types. All paid instances support:

- Zero Downtime
- SSH Access
- Scaling
- One-off jobs
- Support for persistent disks

Starter	512 MB (RAM)
\$7 / month	0.5 CPU

Standard	2 GB (RAM)
\$25 / month	1 CPU

Pro	4 GB (RAM)
\$85 / month	2 CPU

Pro Plus	8 GB (RAM)
\$175 / month	4 CPU

Pro Max	16 GB (RAM)
\$225 / month	4 CPU

Pro Ultra	32 GB (RAM)
\$450 / month	8 CPU

Need a custom instance type? We support up to 512 GB RAM and 64 CPUs.

Environment Variables

Set environment-specific config and secrets (such as API keys), then read those values from your code. [Learn more.](#)

Generate

[+ Add Environment Variable](#)[Add from .env](#)

> Advanced

[Deploy Web Service](#)



G Gabriel Pereira's W...

api-clinica

Search K

+ New

Upgrade



← Dashboard

api-clinica

Events

Settings

MONITOR

Logs

Metrics

MANAGE

Environment

Shell ↴

Scaling ↴

Previews

Disk ↴

Changelog

Invite a friend

Contact support

Render Status

ⓘ Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more.

Upgrade now

December 4, 2025 at 12:38 AM Building

906c926 Adicionando projeto e criando requirements.txt

Cancel deploy

All logs

Search

Live tail

GMT-3

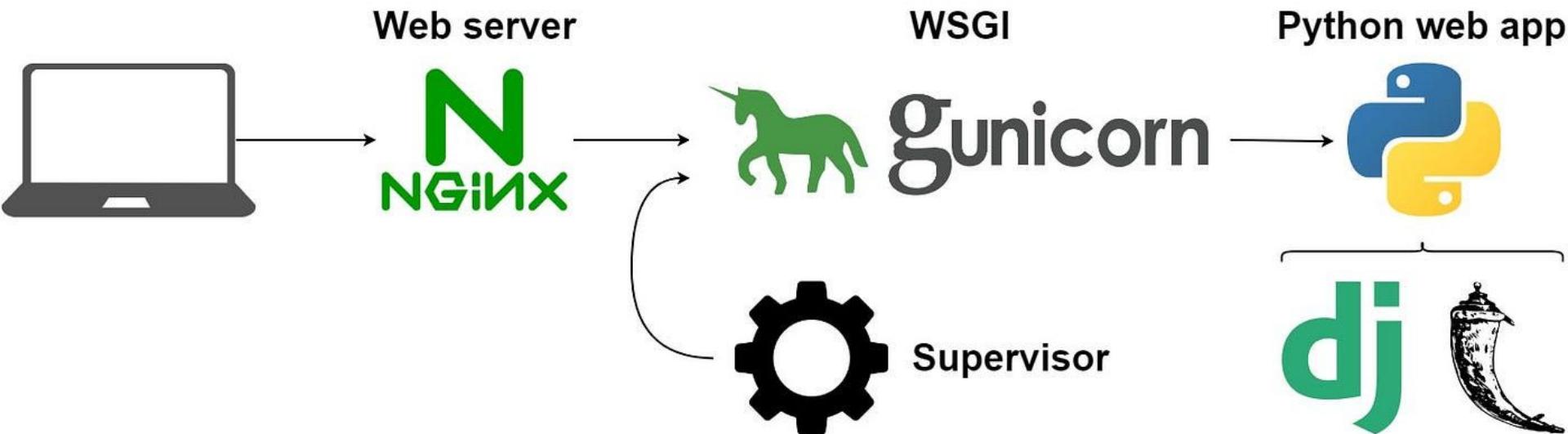


```
Dec 4 12:39:41 AM  ==> uploaded in 12.1s. Compression took 4.3s
Dec 4 12:39:41 AM  ==> Build successful
Dec 4 12:40:15 AM  ==> Running 'gunicorn core.wsgi:application'
Dec 4 12:40:19 AM  [2025-12-04 03:40:19 +0000] [56] [INFO] Starting gunicorn 23.0.0
Dec 4 12:40:19 AM  [2025-12-04 03:40:19 +0000] [56] [INFO] Listening at: http://0.0.0.0:10000 (56)
Dec 4 12:40:19 AM  [2025-12-04 03:40:19 +0000] [56] [INFO] Using worker: sync
Dec 4 12:40:19 AM  [2025-12-04 03:40:19 +0000] [57] [INFO] Booting worker with pid: 57
Dec 4 12:40:20 AM  [2025-12-04 03:40:20 +0000] "HEAD / HTTP/1.1" 200 59 "-" "Go-http-client/1.1"
Dec 4 12:40:24 AM  ==> Your service is live
Dec 4 12:40:24 AM  ==
Dec 4 12:40:24 AM  ==
Dec 4 12:40:24 AM  ==
Dec 4 12:40:24 AM  ==> Available at your primary URL https://api-clinica-7quy.onrender.com
Dec 4 12:40:24 AM  ==
Dec 4 12:40:24 AM  ==
Dec 4 12:40:25 AM  [2025-12-04 03:40:25 +0000] "GET / HTTP/1.1" 200 60 "-" "Go-http-client/2.0"
```



Need better ways to work with logs? Try the [Render CLI](#), [Render MCP Server](#), or set up a [log stream integration](#)

Função Gunicorn



OMMAZBIMUH

Acabou \o/



Obrigado!