

# Deploy de uma API Django Rest Framework no Render



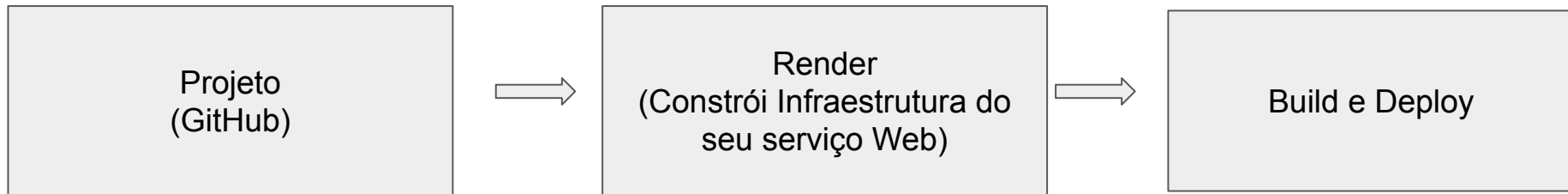
# Sobre o Render

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

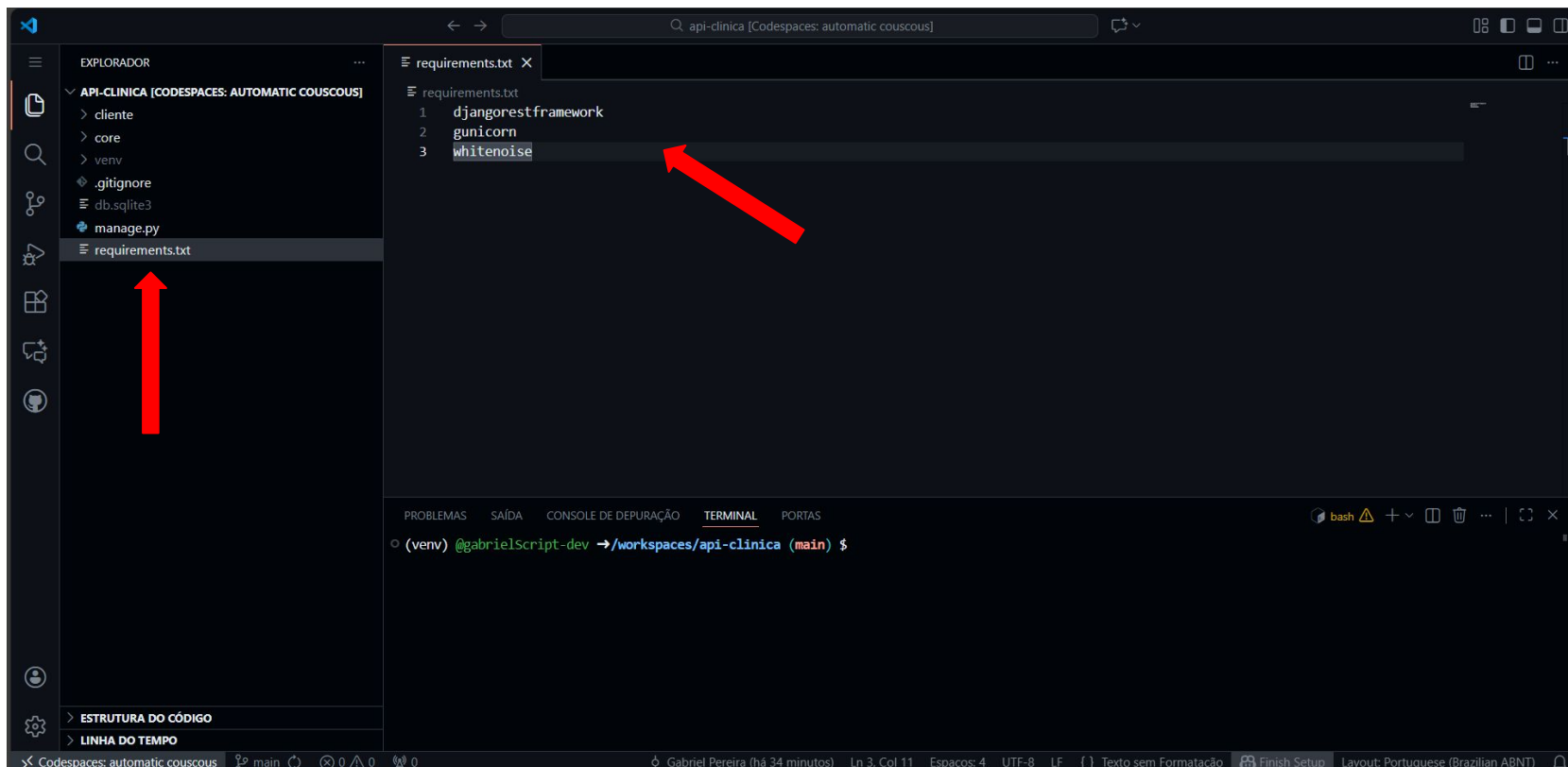
Na raiz do diretório do projeto, criar um arquivo requirements.txt com o seguinte conteúdo:

djangoRESTframework

unicorn

whitenoise

# Projeto Clínica - Passo 1



## 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-l(gh=^e=7&*x^e%33w!2^#jy9qgyktd8&@*1uoqwm^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     'django.contrib.auth',
36     'django.contrib.contenttypes',
37     'django.contrib.sessions',
38     'django.contrib.messages',
39     'django.contrib.staticfiles',
40 ]
```

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



# Projeto Clínica - Passo 3

Acessar o [render.com](https://render.com)

# Your fastest path to production

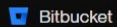
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**Deploy a Web Service** →  
Dynamic web app. Ideal for full-stack apps, API servers, and mobile backends.



**Deploy a Static Site** →  
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# New Web Service

## Source Code

Git Provider

Public Git Repository

Existing Image

🔍 Search



Credentials (1) ▾

- 🔗 gabrielScript-dev / api-clinica 7m ago
- 🔗 softexreceipe / 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-agenda 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**

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**

Choose the [runtime environment](#) for this service.

**Branch**

The Git branch to build and deploy.

**Region**

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`**

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```
$ 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

api-clinica

Search

+ New Upgrade

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

[006c926](#) Adicionando projeto e criando requirements.txt [Cancel deploy](#)

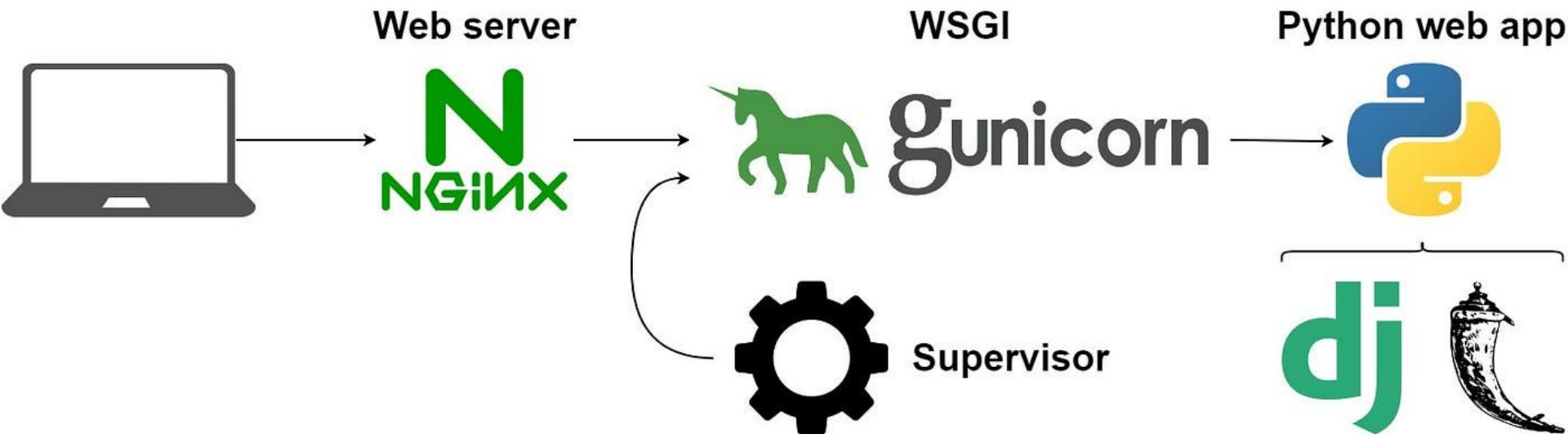
All logs Search

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 127.0.0.1 - - [04/Dec/2025:03:40:20 +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 127.0.0.1 - - [04/Dec/2025:03:40:25 +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**





Acabou \o/



Obrigado!