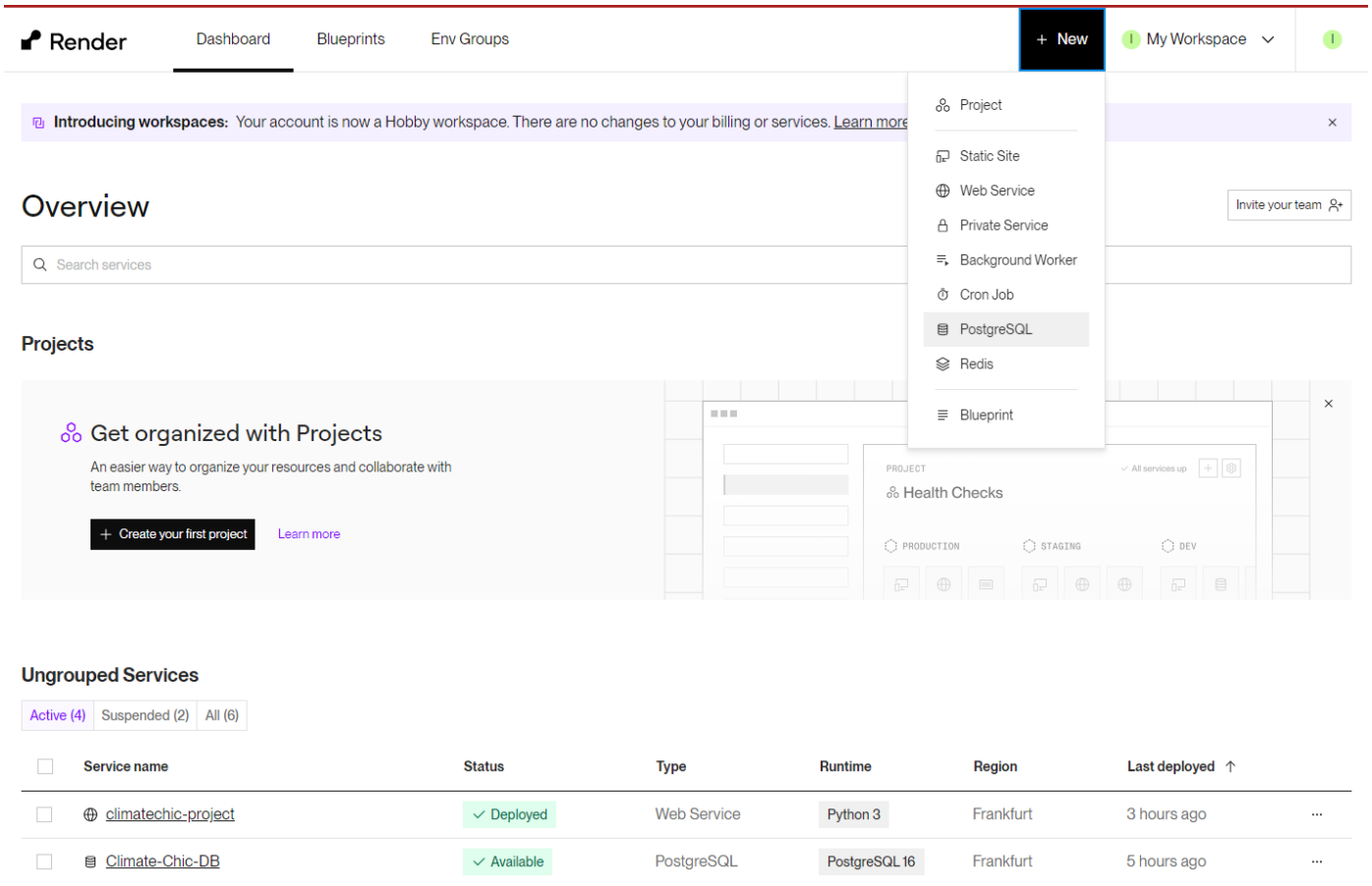
Deployment Steps

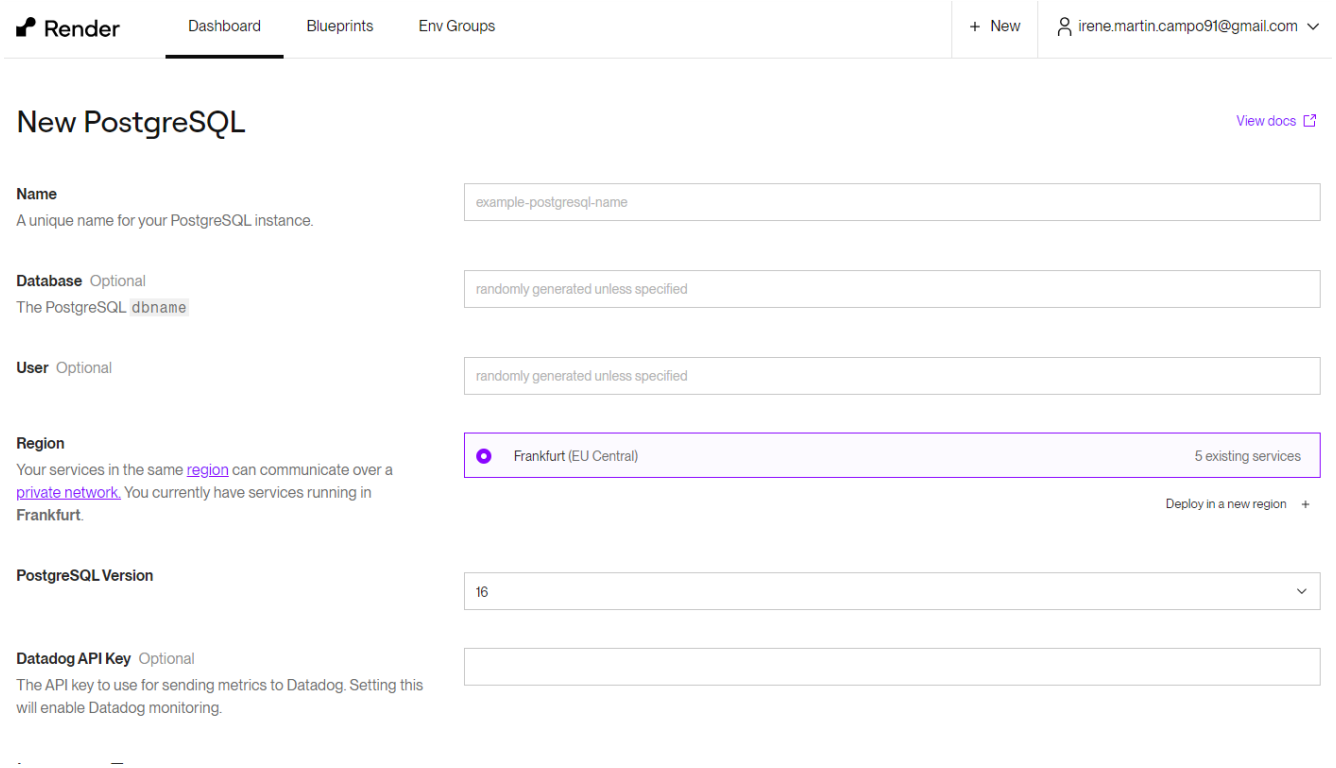
Contents

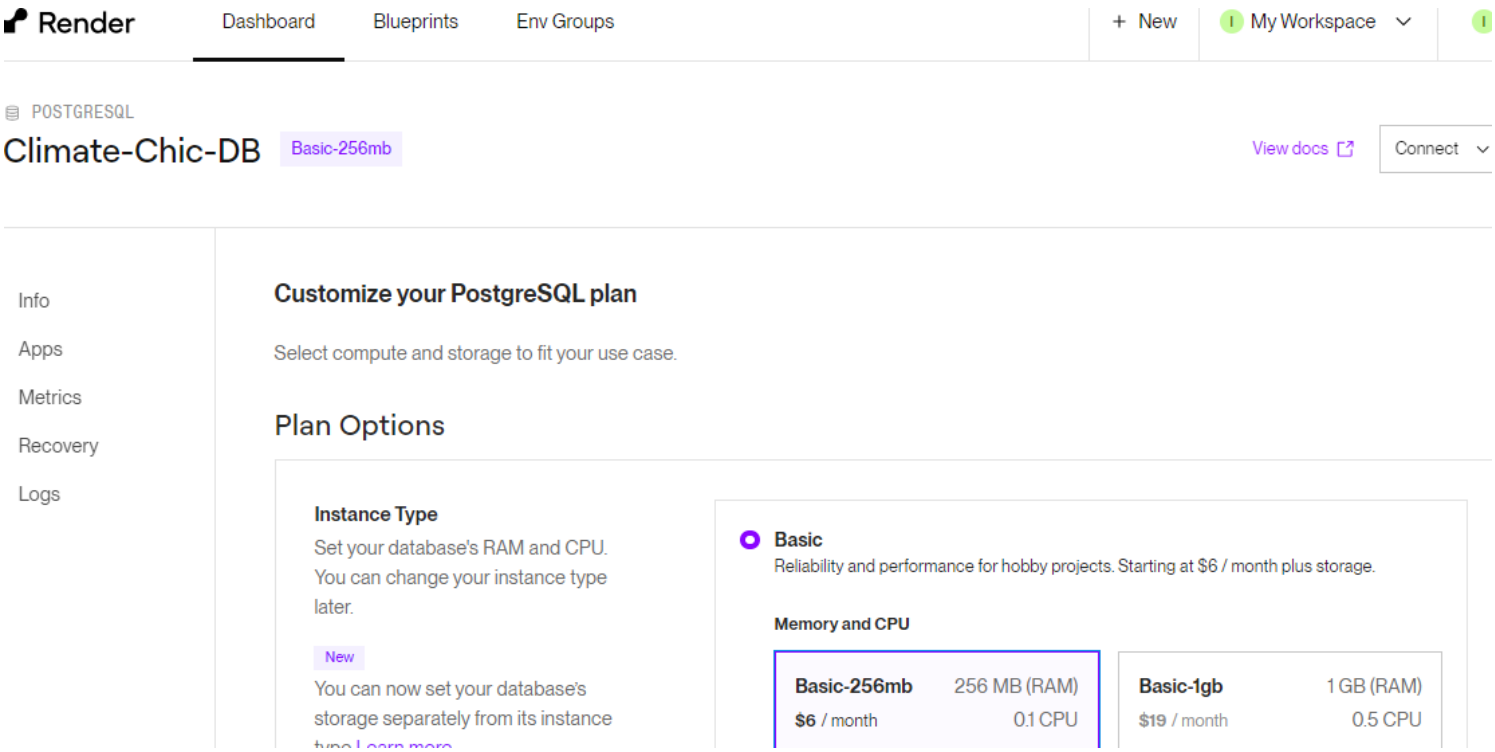
1. Setup Postgres DB Service

a. Login into Render Dashboard . Select **PostgresSQL** from **New** drop down menu.

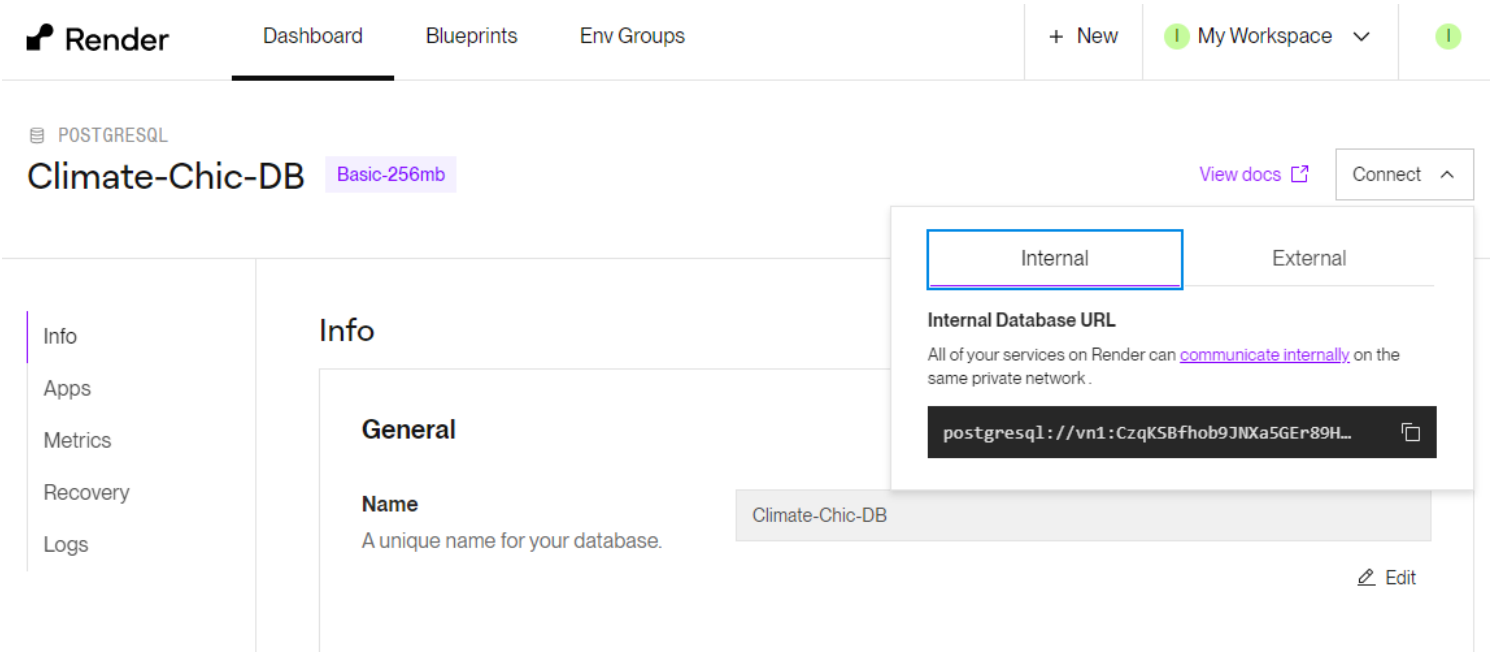


b. Specify
   i. Name of PostgresSQL instance - “**Climate-Chic-DB**”
   ii. Database – **climatechicdb**
   iii. User – **vn1**
   iv. Select nearest region – **Frankfurt(**EU Central)
   v. Make sure Postgres version is **16**
   vi. Select Instance Type as **Free**
   vii. Click on “**Create Database”** button



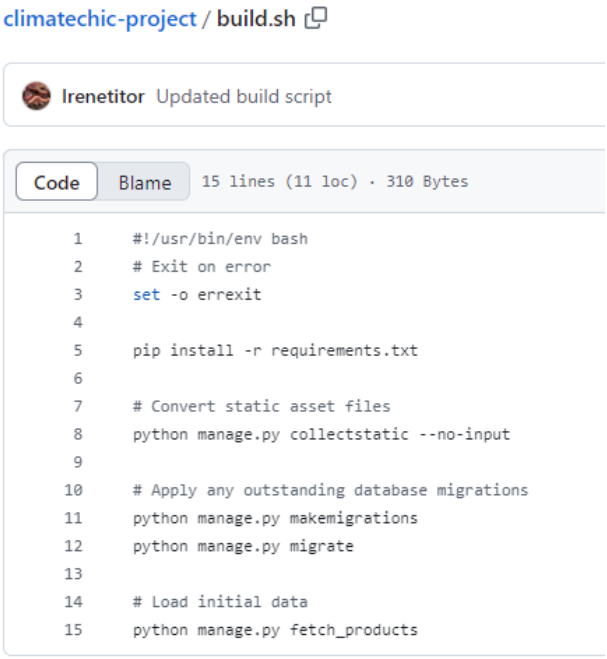


c. PostgresSQL service will start in some time. Click on **Connect** drop down menu and from **Internal** tab copy **Internal Database URL**

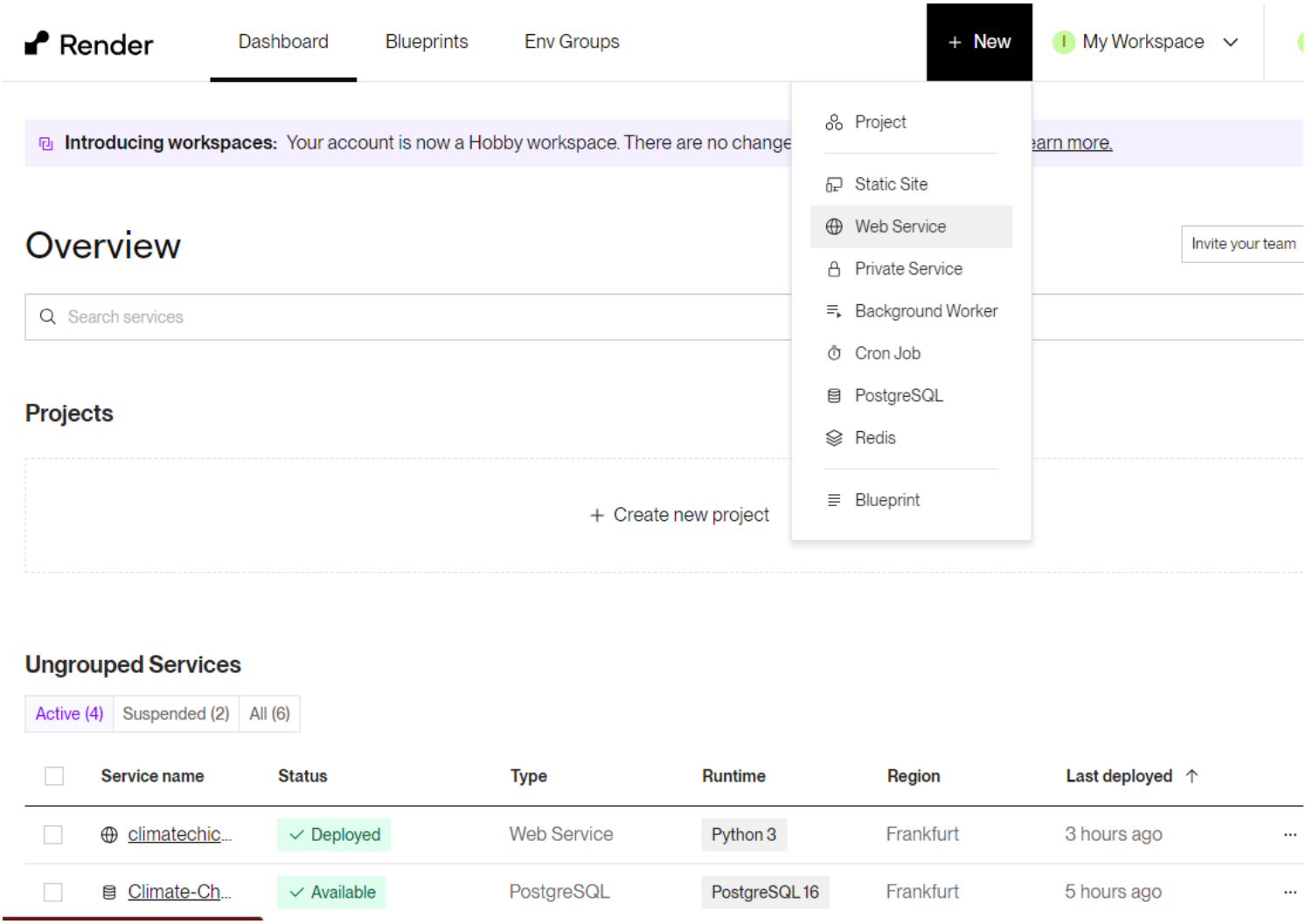


2. Setup Django Web Service

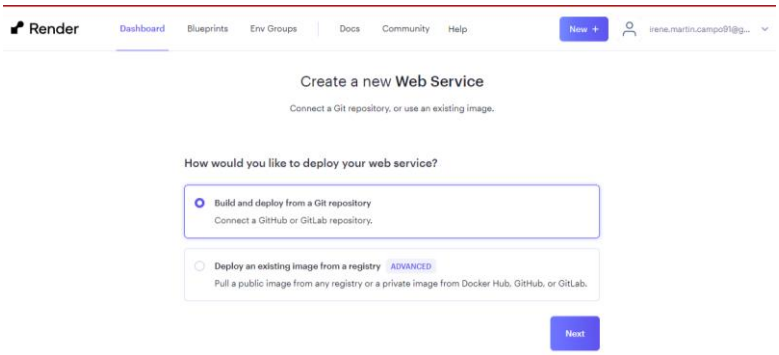
1. **Requirement.txt** in github repo (https://github.com/Irenetitor/climatechic-project/blob/main/requirements.txt) mentions package dependencies needed by render.com and build.sh (https://github.com/Irenetitor/climatechic-project/blob/main/build.sh) script mentions build commands before starting server



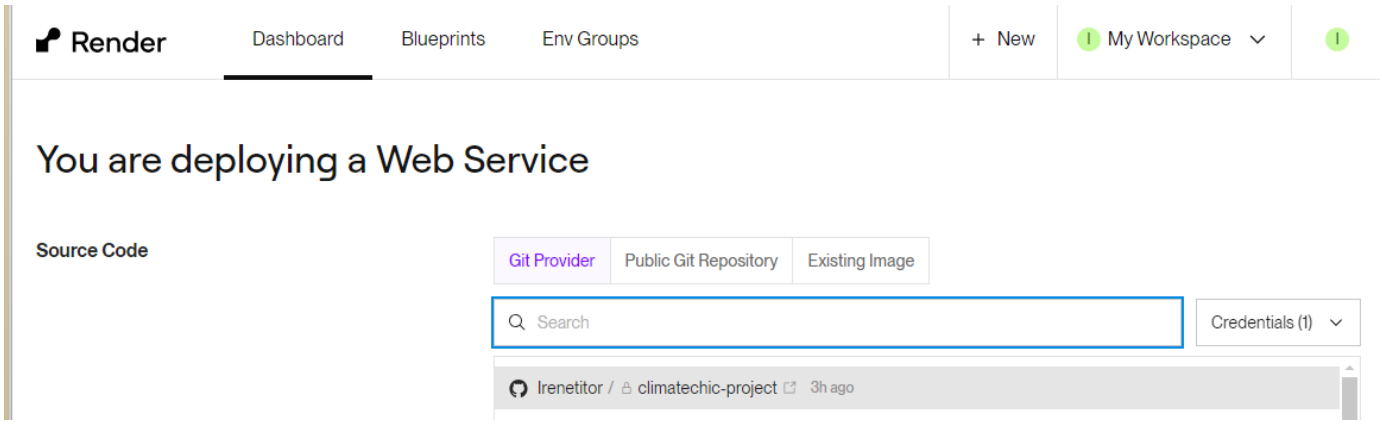
   a. In Render.com, after login into dashboard select **Web service** from **New** drop down menu.



b. Select option – Build and deploy from git repository and click next



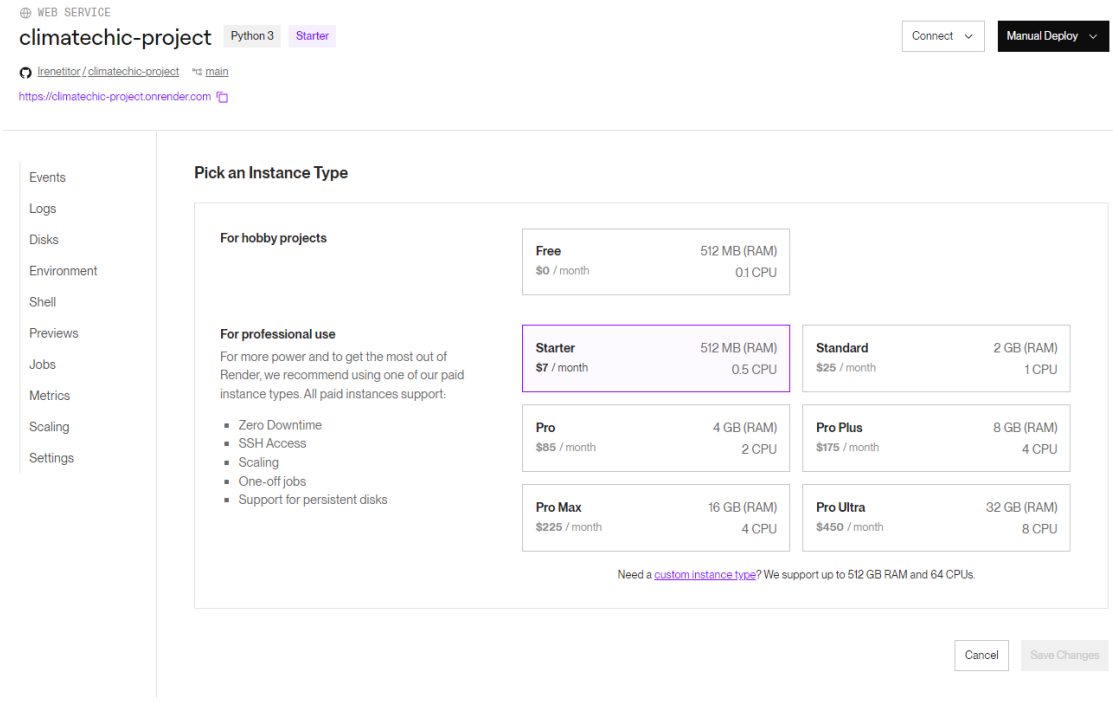
c. **Connect** with gitrepo https://github.com/Irenetitor/climatechic-project

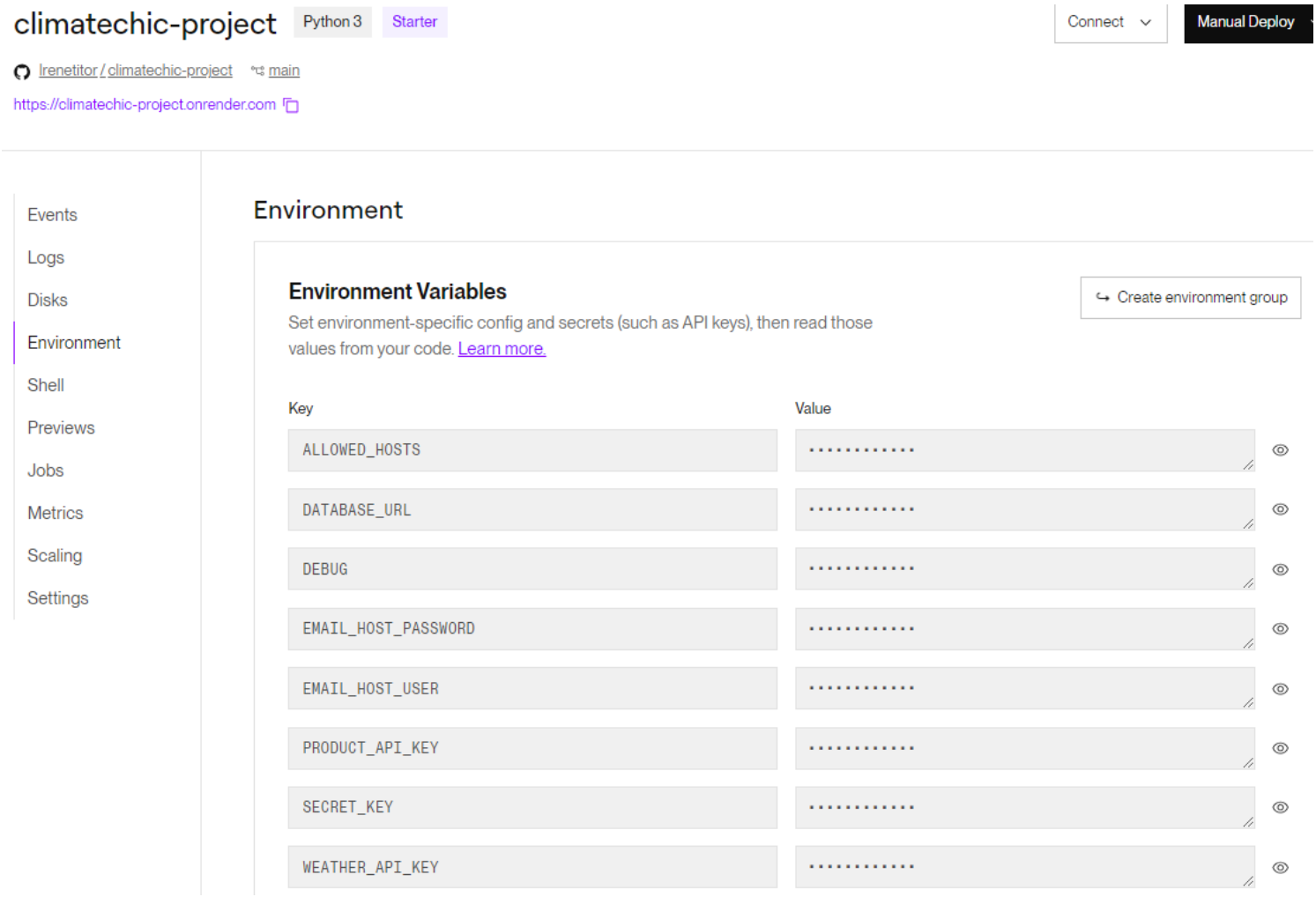


d. Specify
   i. Name for web service instance – **climatechic-project**
   ii. Select nearest region – **Frankfurt(EU Central)**
   iii. Branch for repo as **main**
   iv. Keep Runtime as **Python 3**
   v. Build comment as $ **./build.sh**
   vi. Start command as $ **gunicorn climatechic.asgi:application -k uvicorn.workers.UvicornWorker**
   vii. Select Instance Type as **Starter**
   viii. **IMPORTANT – Mention Environment variable DATABASE_URL as copied Internal Database URL for deployed PostgresSQL service before while setup of PostgresSQL database.**

Set Environment Variables:

SECRET_KEY=<Secret Keys>
WEATHER_API_KEY=<Secret API Keys>
PRODUCT_API_KEY=<Secret product API Keys>
DEBUG=True
ALLOWED_HOSTS=127.0.0.1, climatechic-project.onrender.com
DATABASE_URL=<Copied Internal DB url>
EMAIL_HOST_USER=<Admin account gmail email id>
EMAIL_HOST_PASSWORD = <Gmail App password>



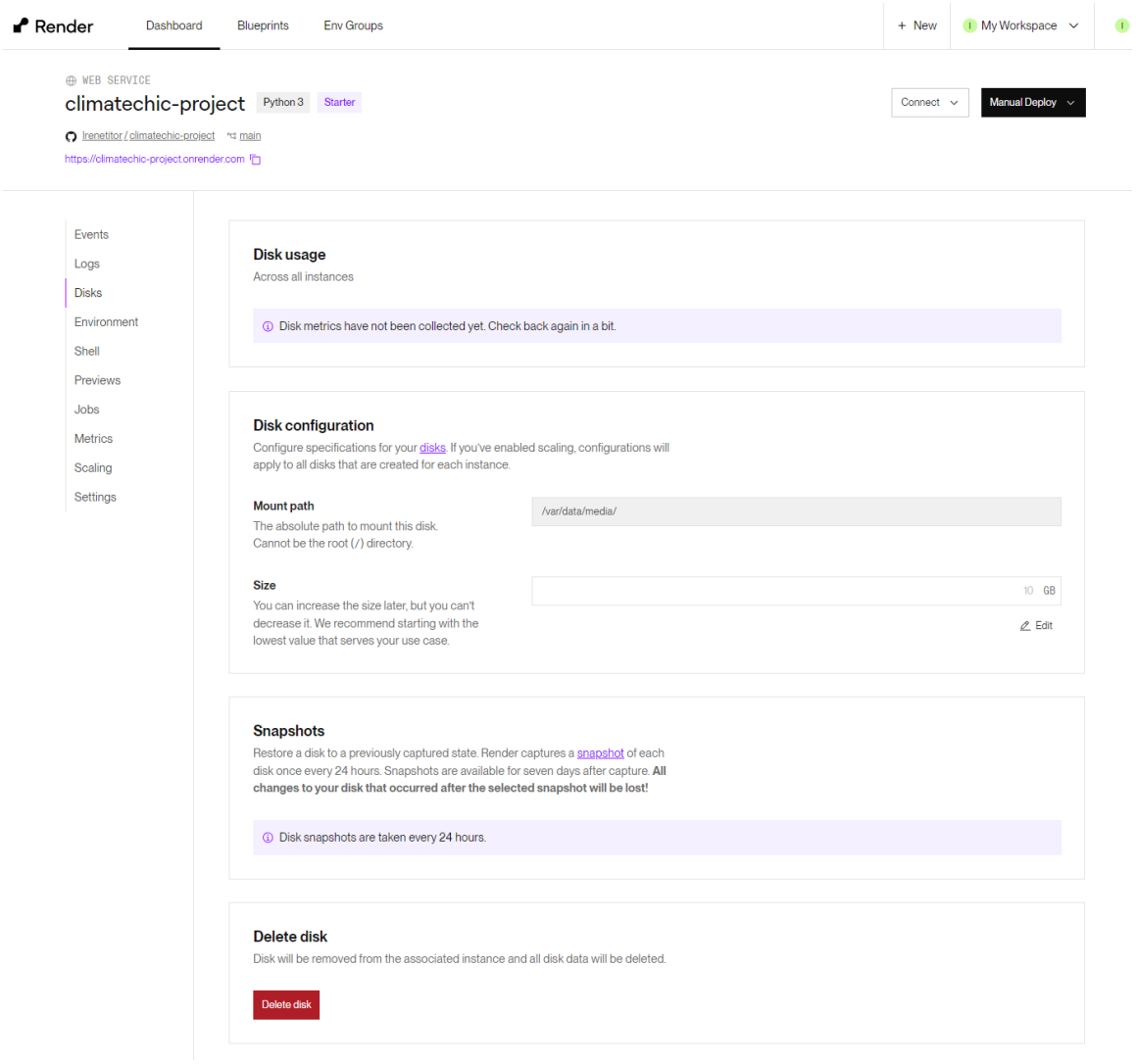


e. Click on **Create Web Service** button

3. Add disk for mount for media files in Render.

a. Add disk for mount for media files in Render. Go to disk option in webservice. Set mount path as /var/data/media/ and choose size then submit.

b. Also copy default.jpg from /public/static to /var/data/media



c.