

GA10- 220501097- AA6-EV01 - Archivos cargados en la plataforma de producción.

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ANALISIS Y DESARROLLO DEL SOFTWARE

FICHA: 2627062

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## **Introducción**

Esta guía proporciona los pasos detallados para cargar y desplegar archivos del software FoodPlus en la plataforma de producción. La plataforma de producción debe estar correctamente configurada y segura para garantizar un despliegue exitoso y el funcionamiento continuo del software.

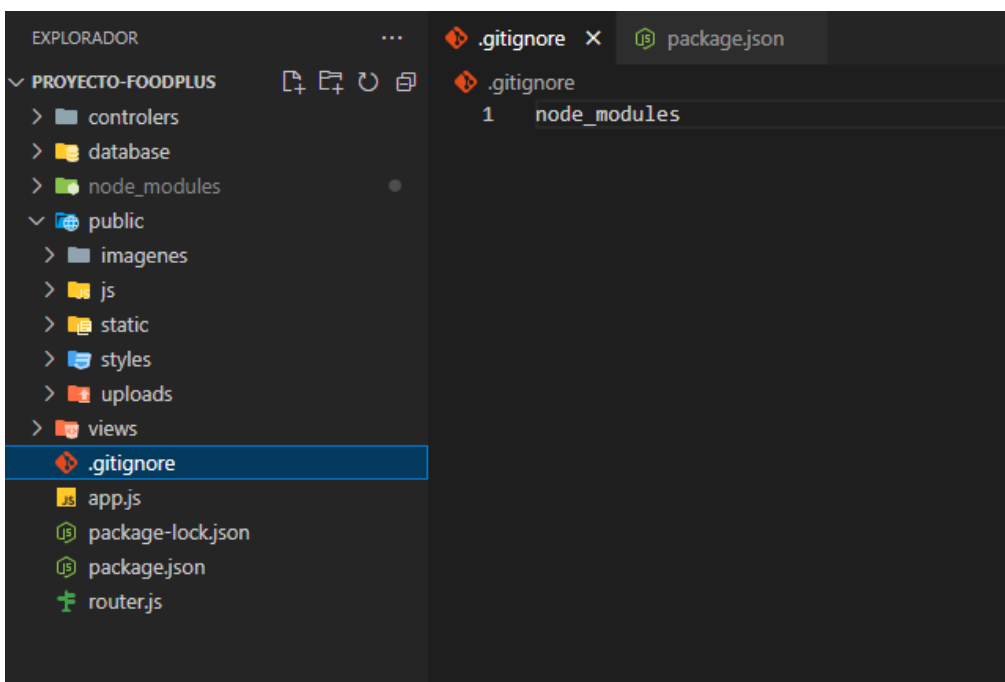
## 1. Preparar nuestros archivos para el despliegue.

- Se modifico los valores para la conexión Mysql por variables de entorno.

```
database > db.js > conexion
1 const express = require('express')
2 require("dotenv").config();
3 const mysql = require('mysql')
4
5 const conexion = mysql.createConnection({
6   multipleStatements: true,
7   host: process.env.BD_HOST,
8   port: process.env.BD_PORT,
9   user: process.env.BD_USER,
10  password: process.env.BD_PASSWORD,
11  database: process.env.BD_NAME
12 })
13
14 console.log(process.env.BD_HOST, process.env.BD_PORT, process.env.BD_USER, process.env.BD_PASSWORD, process.env.BD_NAME)
15
16 conexion.connect((error)=>{
17   if(error){
18     console.log('Error de conexion ',+ error)
19     return
20   }
21   console.log('Conectado a la BD')
22 })
23
24 module.exports = conexion
```

## 2. Subir a repositorio Git.

- Se creo un archivo .gitignore donde le indicamos los archivos que queremos ignorar a la hora de subir al repositorio.



- Iniciamos.

```
PS C:\Users\valen\OneDrive\Documents\proyecto-foodplus> git init
```

- Agregamos todos los archivos.

```
PS C:\Users\valen\OneDrive\Documents\proyecto-foodplus> git add .
```

- Se agrega el commit.

```
PS C:\Users\valen\OneDrive\Documents\proyecto-foodplus> git commit -m "first commit"
[master (root-commit) a1db291] first commit
125 files changed, 16620 insertions(+)
```

- Creamos un nuevo repositorio donde vamos a subir nuestros archivos.

**Create a new repository**

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (\*).

**Owner \*** Valitavs / **Repository name \*** FoodPlus  
✔ FoodPlus is available.

Great repository names are short and memorable. Need inspiration? How about [super-disco](#) ?

**Description** (optional)

☒ **Public**  
Anyone on the internet can see this repository. You choose who can commit.

☐ **Private**  
You choose who can see and commit to this repository.

**Initialize this repository with:**

☐ **Add a README file**  
This is where you can write a long description for your project. [Learn more about READMEs.](#)

**Add .gitignore**  
.gitignore template: None  
Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

**Choose a license**  
License: None  
A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

📘 You are creating a public repository in your personal account.

**Create repository**

- Volvemos a la consola para indicarle la ubicación de nuestro repositorio remoto.

```
first commit
PS C:\Users\valen\OneDrive\Documents\proyecto-foodplus> git remote add origin https://github.com/Valitavs/FoodPlus.git
```

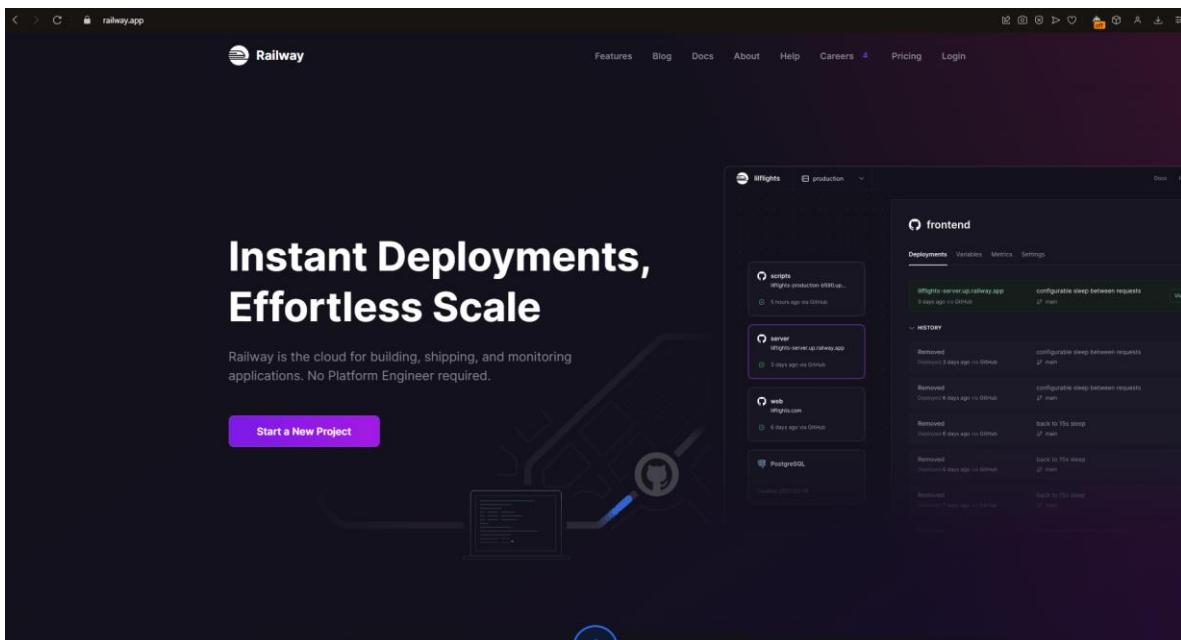
- Usamos push para subir los archivos al repositorio

```
PS C:\Users\valen\OneDrive\Documents\proyecto-foodplus> git remote add origin https://github.com/Valitavs/FoodPlus.git
PS C:\Users\valen\OneDrive\Documents\proyecto-foodplus> git push origin master
Enumerating objects: 131, done.
Counting objects: 100% (131/131), done.
Delta compression using up to 4 threads
Compressing objects: 100% (126/126), done.
Writing objects: 100% (131/131), 7.65 MiB | 2.45 MiB/s, done.
Total 131 (delta 25), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (25/25), done.
To https://github.com/Valitavs/FoodPlus.git
* [new branch]      master -> master
PS C:\Users\valen\OneDrive\Documents\proyecto-foodplus>
```

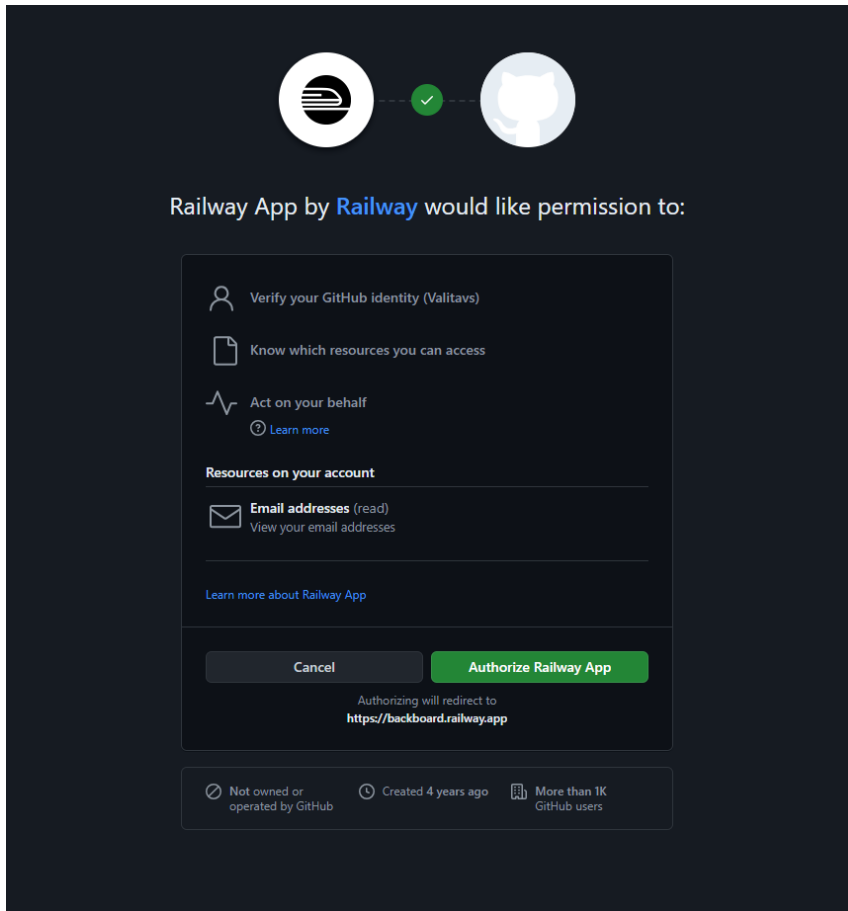
Finalmente tenemos los archivos subidos al repositorio exitosamente.

### 3. Configuración de la plataforma donde vamos a hacer el despliegue.

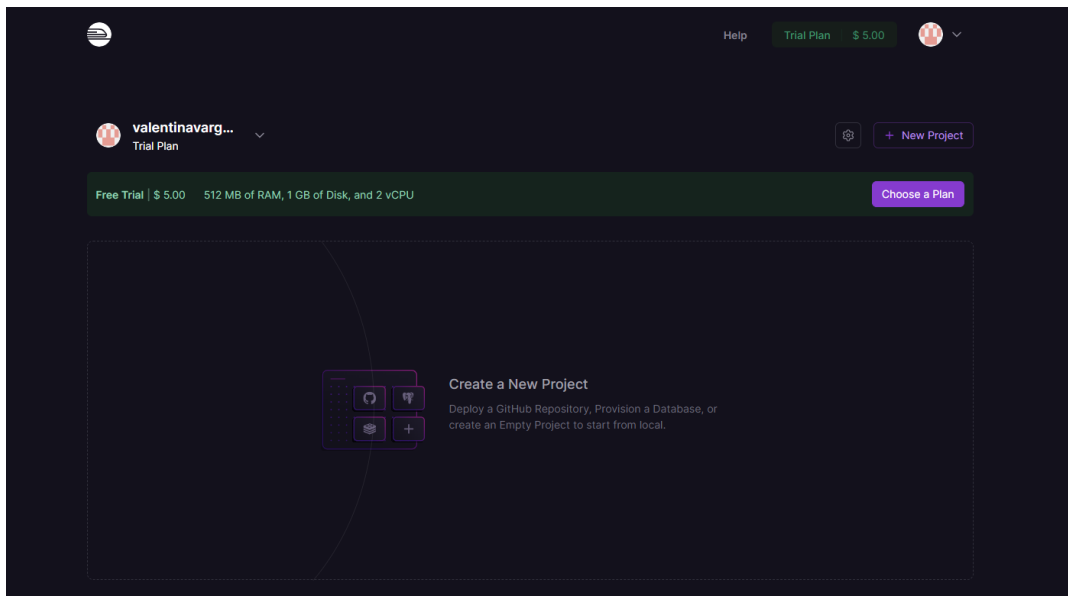
- Usaremos <https://railway.app> para subir nuestro proyecto Nodejs.



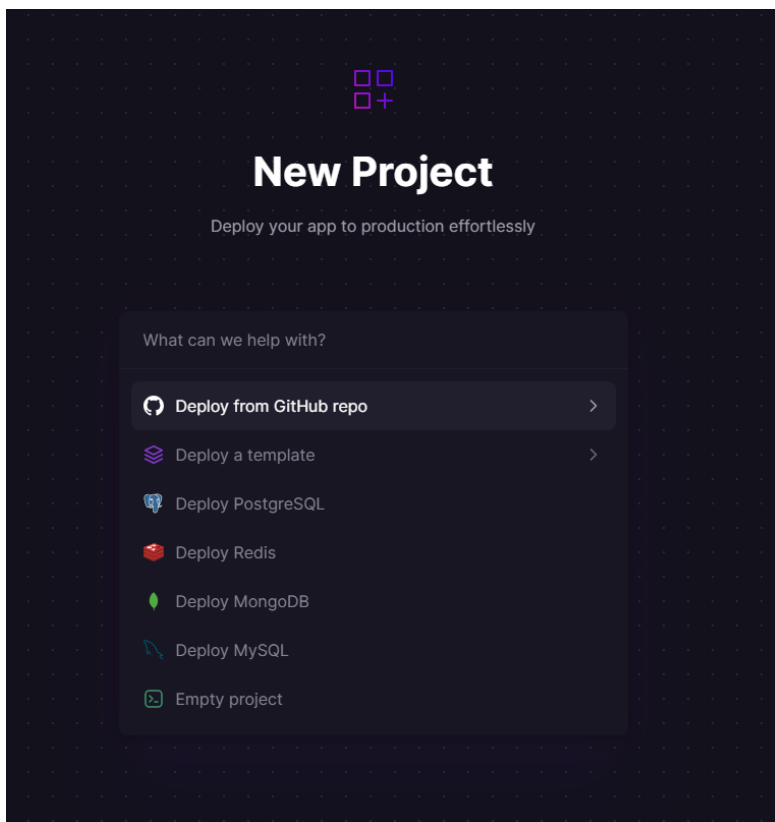
- Vinculamos nuestra cuenta Git



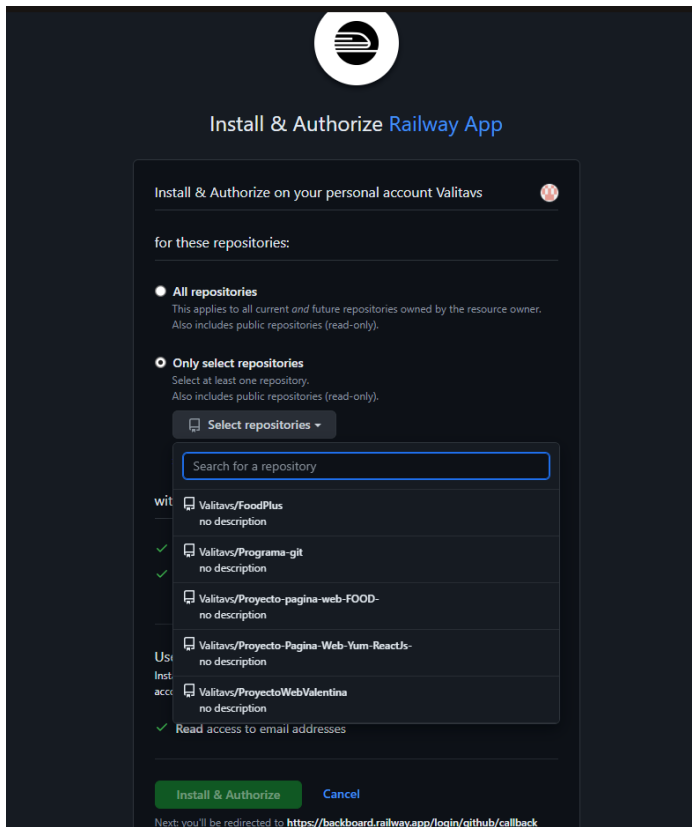
- Una vez ya hayamos iniciado sesión con nuestra cuenta Git, creamos un nuevo proyecto.



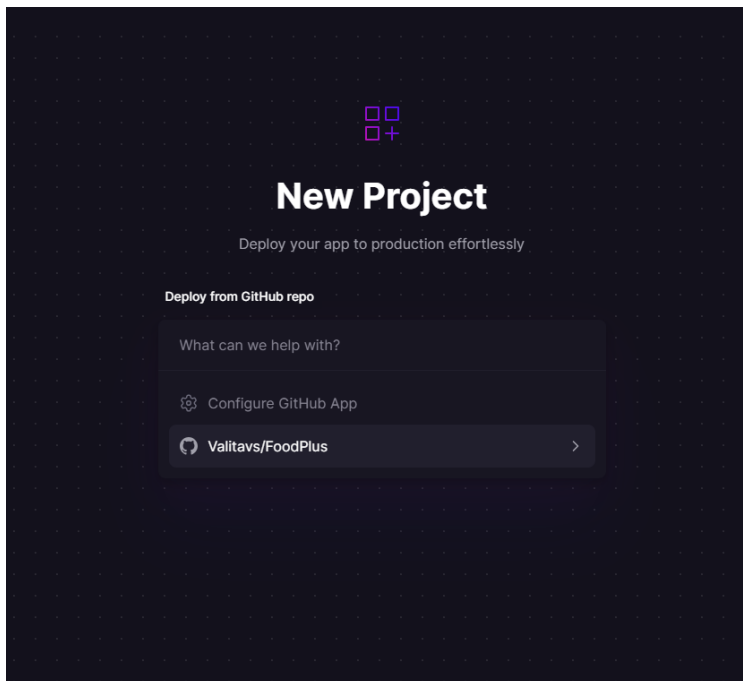
- Seleccionamos Git para desplegar el repositorio que subimos anteriormente.



- Se selecciona el repositorio FoodPlus.

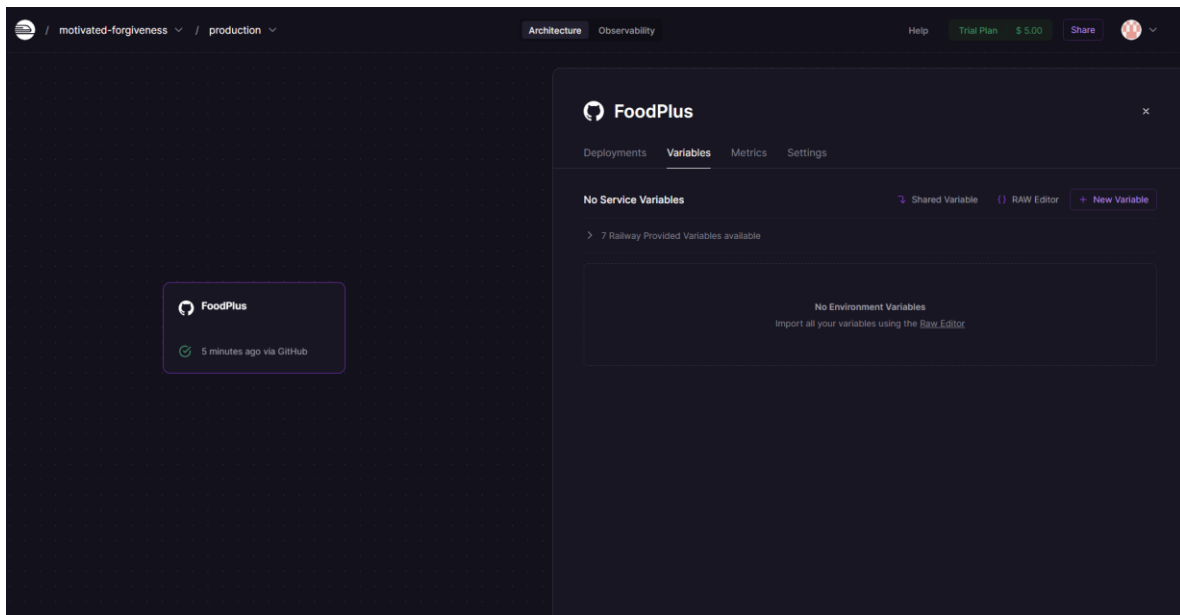
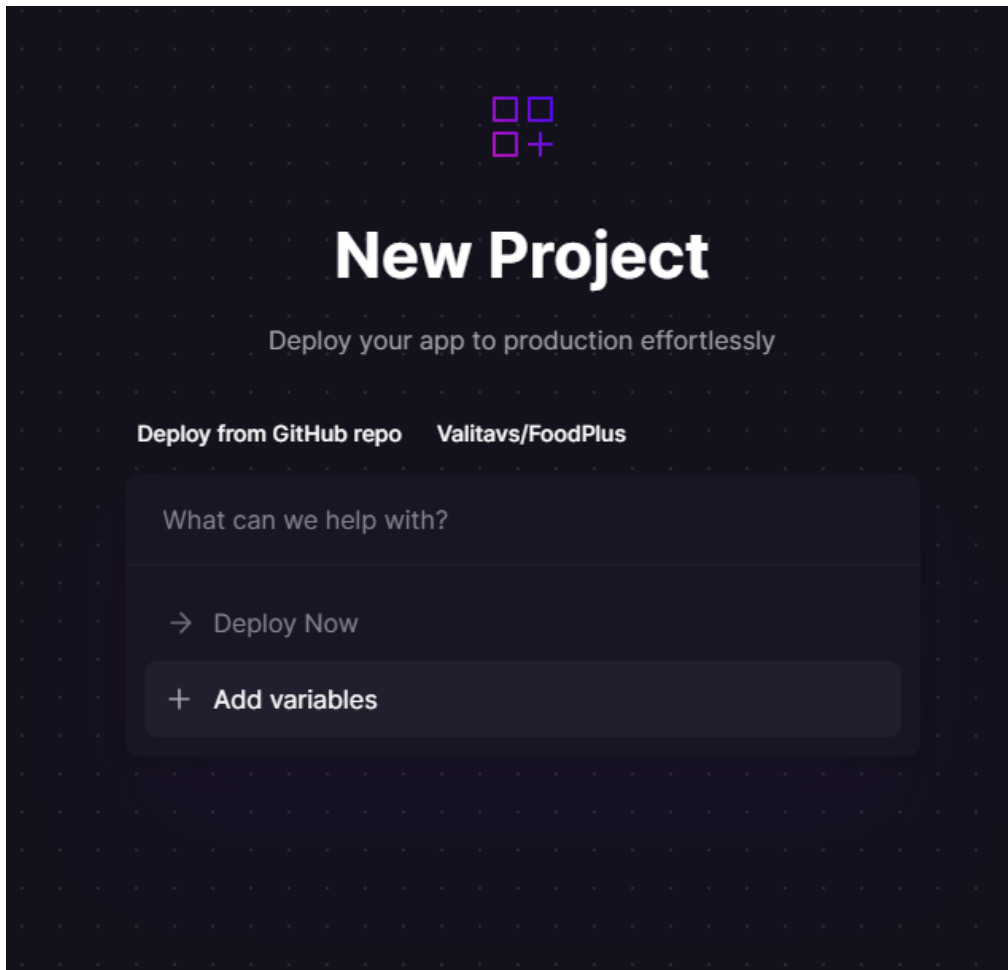


- Una vez ya elegido el repositorio se vuelve a seleccionar en Railway.



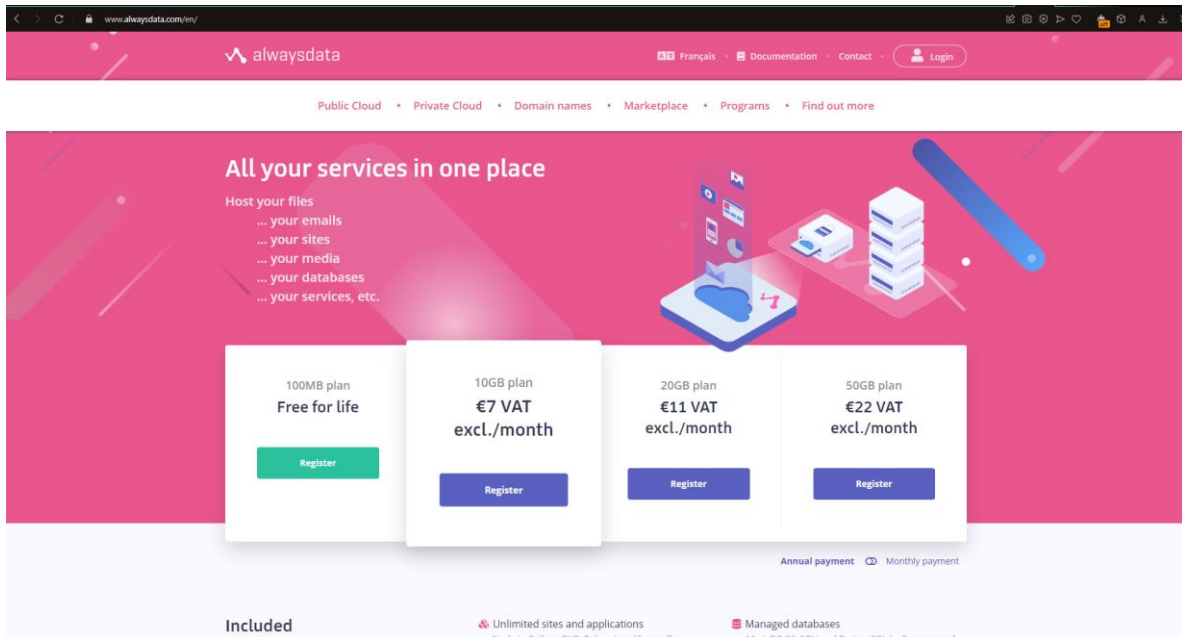


- Se despliega el repositorio.

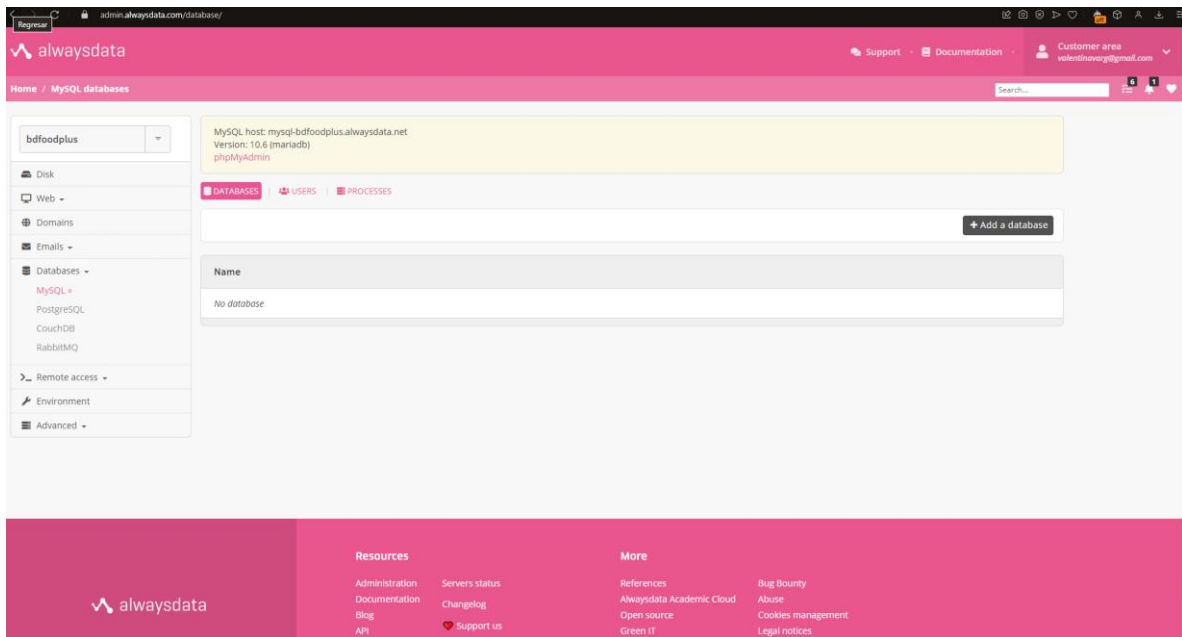


#### 4. Configuración de nuestra base de datos.

- Usaremos <https://www.alwaysdata.com/en/> para subir nuestra base de datos.



- Creamos una base de datos MySQL.



- Llenamos datos para creación de bases de datos.

The screenshot shows the 'alwaysdata' web interface for creating a MySQL database. The left sidebar contains navigation links: Disk, Web, Domains, Emails, Databases (selected), Remote access, Environment, and Advanced. The 'Databases' section is expanded, showing options for MySQL, PostgreSQL, CouchDB, and RabbitMQ. The main content area is titled 'DATABASE' and contains three sections: 'Details' with a 'Nom\*' field containing 'bdfoodplus' and a note 'The name must start with: bdfoodplus,'; 'Permissions' with a field containing '360124' and radio buttons for 'all rights' (selected), 'read only', and 'no rights'; and 'Annotation' with an empty text area and a note 'The annotation is optional and will be displayed in the listing.' A pink 'Submit' button is located at the bottom right of the form.

- Luego de crear la base de datos, cambiamos la contraseña de el usuario predeterminado.

The screenshot shows the 'alwaysdata' web interface for managing MySQL users. The top section displays system information: 'MySQL host: mysql-bdfoodplus.alwaysdata.net', 'Version: 10.6 (mariadb)', and 'phpMyAdmin'. Below this, there are tabs for 'DATABASES', 'USERS' (selected), and 'PROCESSES'. A search bar is present with an 'Add a user' button. The main content area shows a table with one user entry. The table has a header row with the column 'Name' and a data row with the value '360124'. To the right of the data row are three icons: a gear (settings), a circular arrow (refresh), and a trash can (delete).

Name
360124

- Cambiamos contraseña y se guarda.

USER 360124

### Details

Nom\*

🔔 The name must start with: 360124\_

Password

SEE

🔔 Leave empty if you don't want to change the password.

### Options

☐ SSL connection required

Authorized IP address

🔔 IP address allowed to log in with this user. Example: 192.0.2.38, 2001:DB8::1.

### Permissions

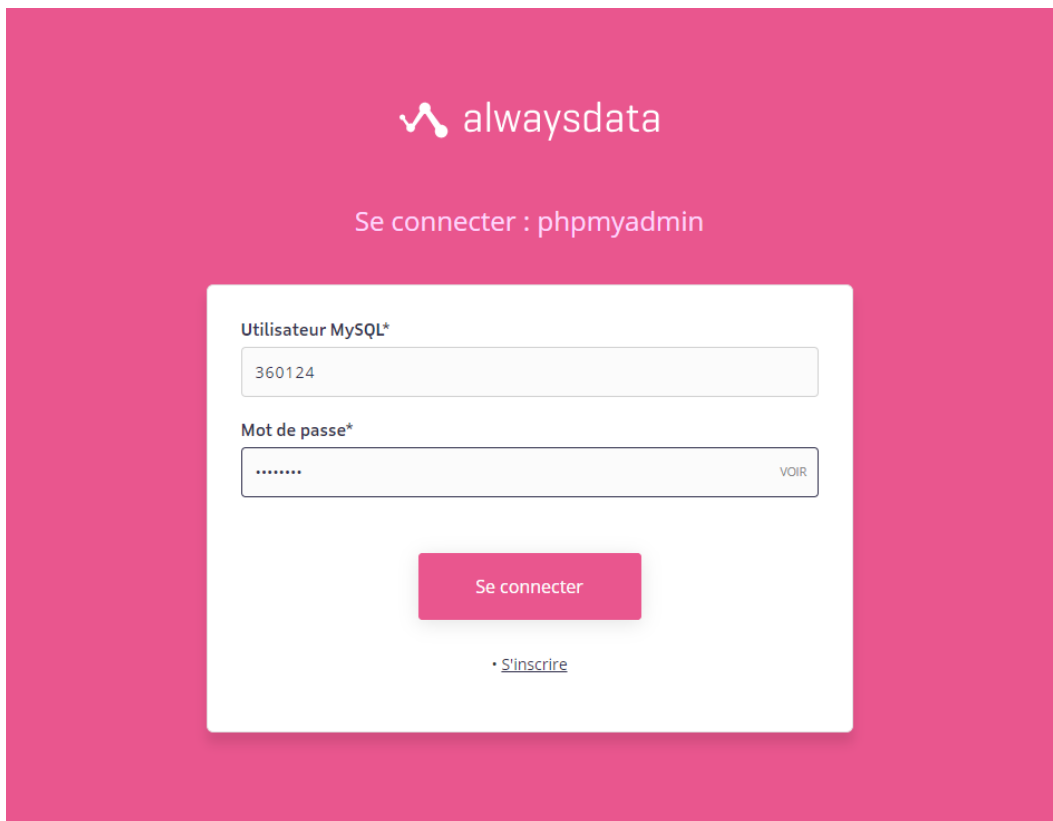
bdfoodplus\_proyecto\*

☒ all rights ☐ read only ☐ no rights

- Ingresamos a PhpAdmin desde alwaysdata.

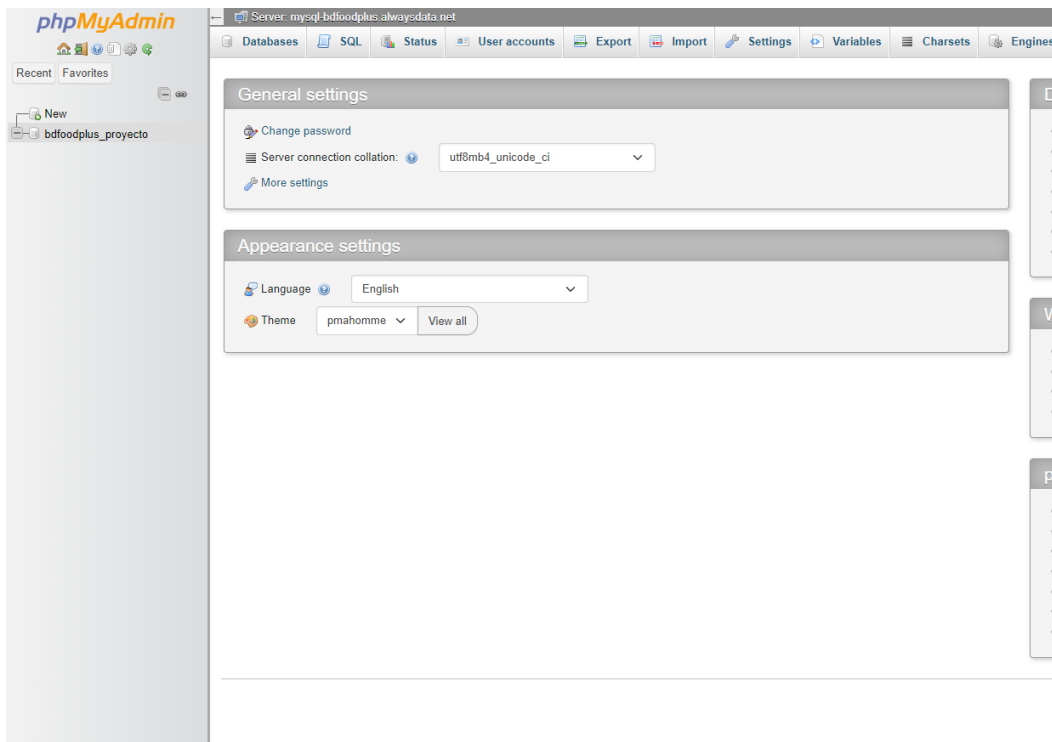
MySQL host: mysql-bdfoodplus.alwaysdata.net  
Version: 10.6 (mariadb)  
phpMyAdmin

- Nos conectamos con el usuario anterior.

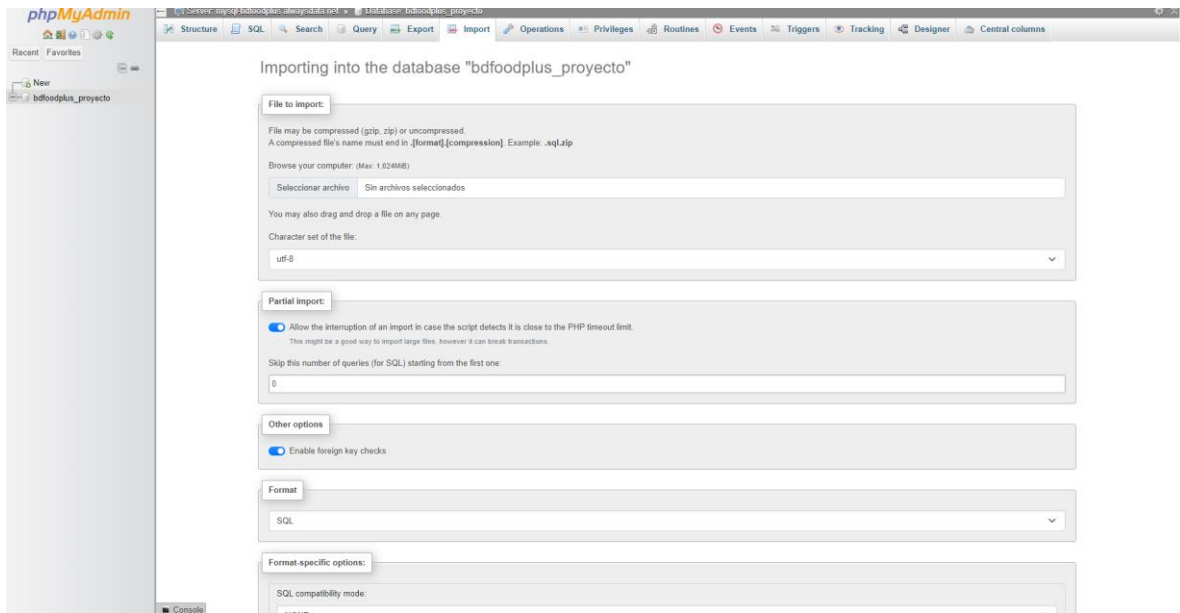


The image shows a login page for phpmyadmin on the alwaysdata.net platform. The page has a pink background. At the top, there is a logo for 'alwaysdata' and the text 'Se connecter : phpmyadmin'. Below this, there is a white box containing the login form. The form has two input fields: 'Utilisateur MySQL\*' with the value '360124' and 'Mot de passe\*' with masked characters '.....'. To the right of the password field is a link 'VOIR'. Below the input fields is a pink button labeled 'Se connecter'. At the bottom of the white box is a link '• S'inscrire'.

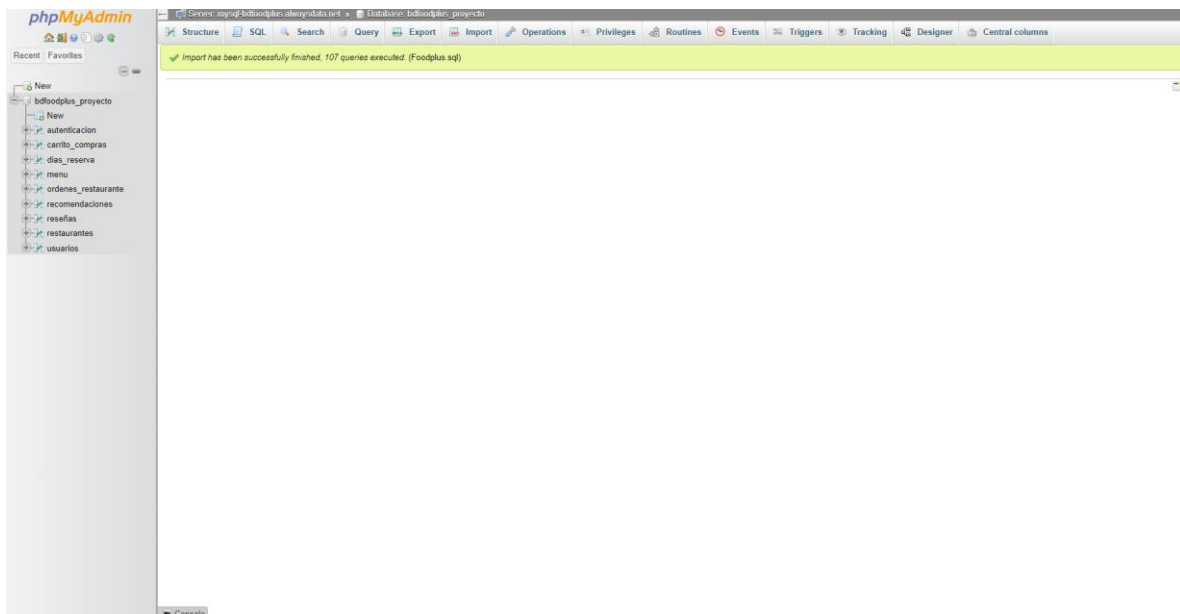
- Ya dentro de PhpAdmin podemos ver nuestra base de datos creada.



- Importamos nuestro archivo sql con nuestras tablas ya creadas.



- Podemos ver como se ha importado exitosamente nuestras tablas.



## 5. Configuración del Railway con la base de datos.

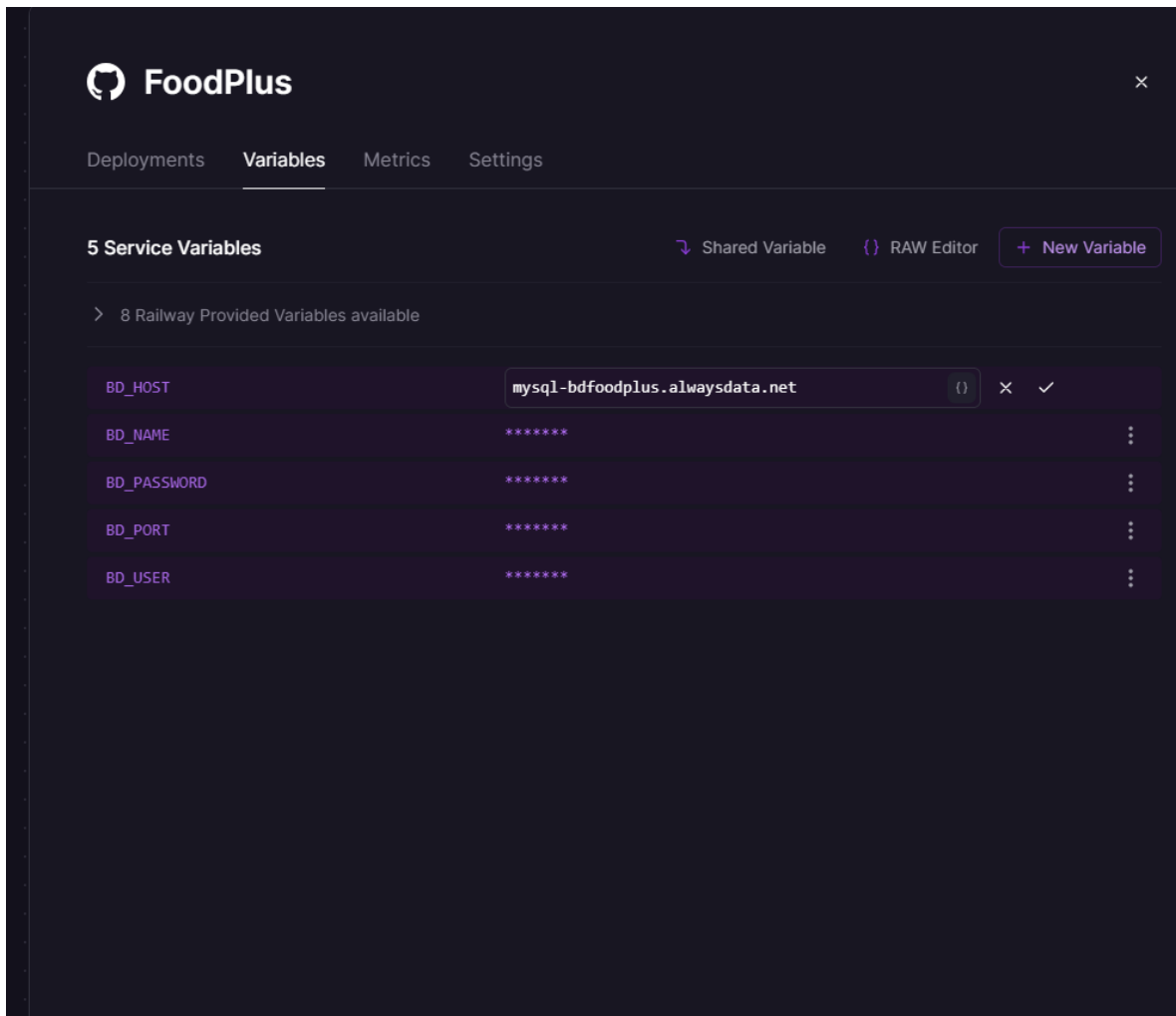
- Regresamos a alwaysdata para tomar datos que necesita la conexión.

The screenshot shows the Alwaysdata dashboard interface. At the top, there's a navigation bar with the Alwaysdata logo, a search bar, and links for Support, Documentation, and Customer area. Below the navigation bar, the main content area is titled 'MySQL databases'. On the left, there's a sidebar with a dropdown menu for 'bdfordplus' and a list of services: Disk, Web, Domains, Emails, Databases (with MySQL selected), Remote access, Environment, and Advanced. The main content area displays the MySQL host information: 'MySQL host: mysql-bdfordplus.alwaysdata.net', 'Version: 10.6 (mariadb)', and 'phpMyAdmin'. Below this, there's a section for 'DATABASES' with a table listing the database 'bdfordplus\_proyecto'. At the bottom, there's a footer with the Alwaysdata logo, a 'Resources' section with links to Administration, Documentation, Blog, API, Servers status, Changelog, and Support us, and a 'More' section with links to References, Alwaysdata Academic Cloud, Open source, Green IT, Bug Bounty, Abuse, Cookies management, and Legal notices.

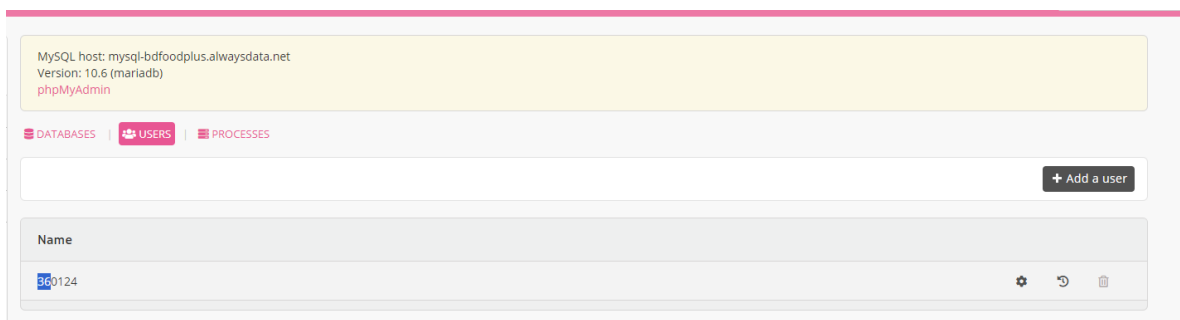
- Tomamos el host.

The screenshot shows a yellow box containing the MySQL host information: 'MySQL host: mysql-bdfordplus.alwaysdata.net', 'Version: 10.6 (mariadb)', and 'phpMyAdmin'.

- Creando 5 variables en Railway para la conexión, pegamos el valor de host en la variable correspondiente.




- Copiamos el usuario de nuestra conexión en alwaysdata.





- Pegamos el usuario de la conexión como valor de la variable correspondiente en Railway

 FoodPlus

Deployments

Variables

Metrics

Settings

5 Service Variables

Shared Variable


RAW Editor

New Variable

> 8 Railway Provided Variables available

BD_HOST	*****	
BD_NAME	*****	
BD_PASSWORD	*****	
BD_PORT	*****	
BD_USER	360124	<div><div>()</div><div>×</div><div>✓</div></div>

- Ponemos la contraseña de nuestro usuario como valor de la variable correspondiente en Railway.

 **FoodPlus**

Deployments

**Variables**

Metrics

Settings

5 Service Variables

Shared Variable

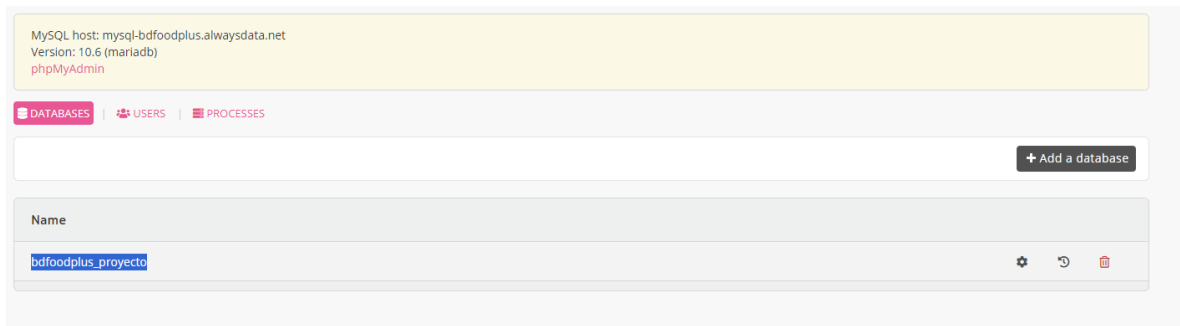
RAW Editor

+ New Variable

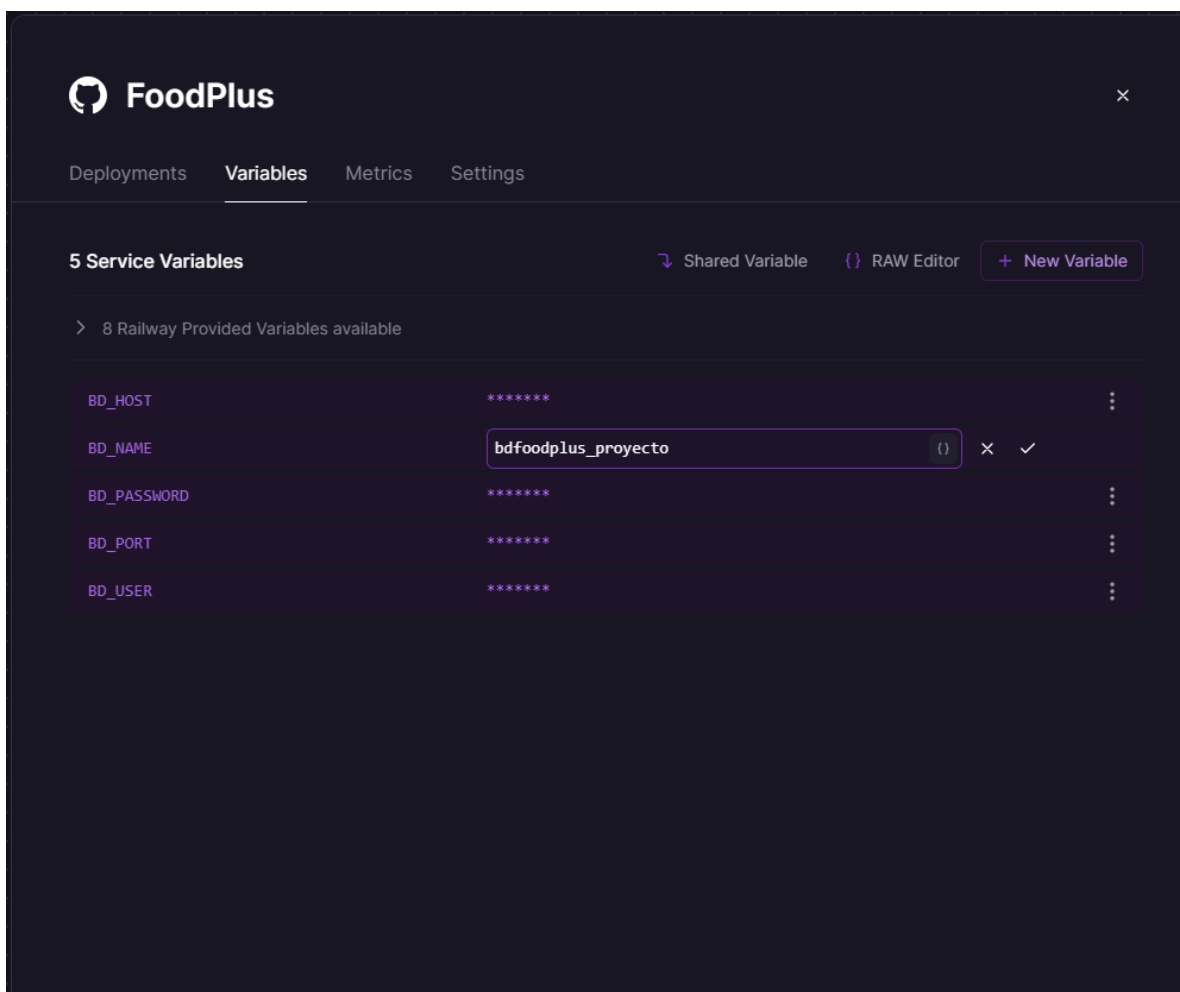
> 8 Railway Provided Variables available

BD_HOST	*****	⋮
BD_NAME	*****	⋮
BD_PASSWORD	<div><input type="text" value="coco1033"/></div>	<div><div>()</div><div>✕</div><div>✓</div></div>
BD_PORT	*****	⋮
BD_USER	*****	⋮


- Copiamos el nombre de nuestra base de datos en alwaysdata.



- Pegamos el nombres de nuestra base de datos como valor de la variable correspondiente en Railway



- Esperamos a que se despliegue el proyecto con nuestra base de datos ya configurada.

 **FoodPlus**

Deployments

Variables

Metrics

Settings

Building (0:08)

9 seconds ago via GitHub

ajustes nuevos de bases de datos

🔗 master

View Logs

⋮

foodplus-production.up.railway.app

51 minutes ago via GitHub

ajustes nuevos de bases de datos

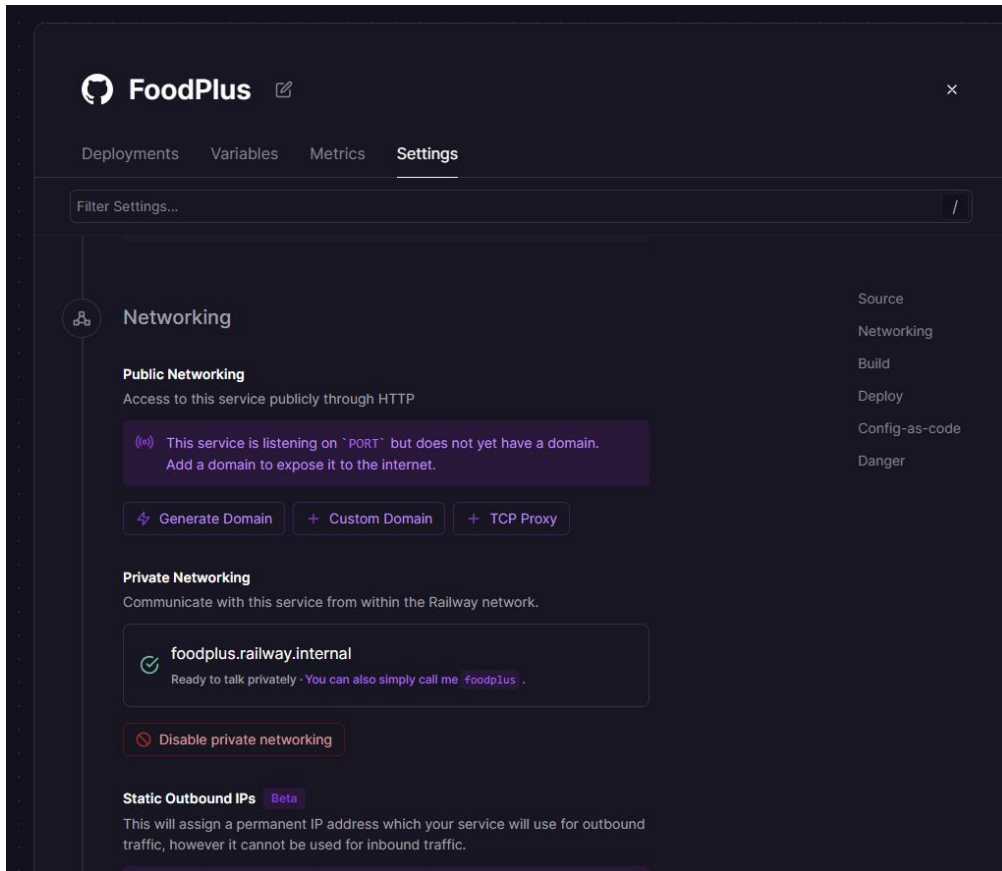
🔗 master

View Logs

⋮

^ HISTORY

- Vamos a ajustes para generar el dominio de nuestro proyecto en Railway.



- Una vez generado vamos al url indicado.

**FoodPlus**

Deployments Variables Metrics **Settings**

Filter Settings...

**Networking**

**Public Networking**  
Access your application over HTTP with the following domains

🌐 foodplus-production.up.railway.app

+ Custom Domain

**Edge Proxy** Beta  
Opt-in to try our latest proxy. Deploy faster, and help us build our next edge.

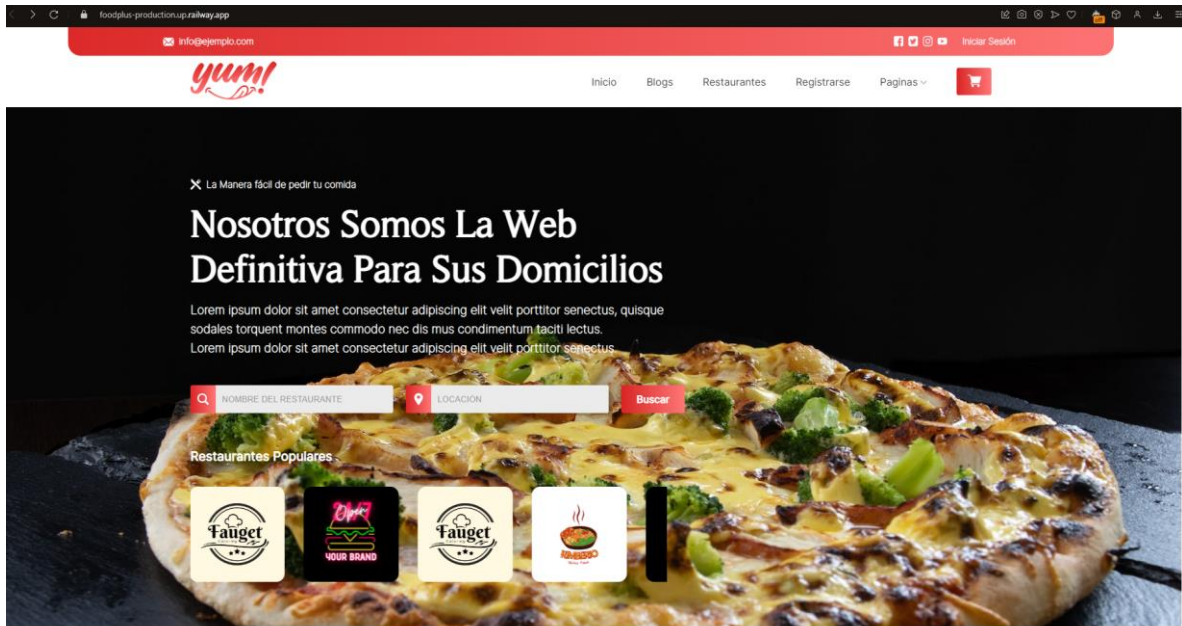
☐ Enable new proxy

**Private Networking**  
Communicate with this service from within the Railway network.

🟢 foodplus.railway.internal  
Ready to talk privately - You can also simply call me foodplus .

🚫 Disable private networking

- Podemos ver nuestro proyecto ya desplegado en la plataforma con la base de datos funcional.



## **Conclusión**

Siguiendo estos pasos, se pudo cargar y desplegar exitosamente los archivos del software FoodPlus en la plataforma de producción.