Git: <https://github.com/juanRodriguezGarcia/sonarqube.git>

ghp\_F4ZGOcdRxiQXNwPV3xmy52h9LMfmDd3GjfGT

Jenkins: juan:juan

<http://35.153.134.0:8080/job/testSonar/configure>

Creacion del usuario

chown -R sonar:sonar /opt/sonarqube

sudo -u sonar /opt/sonarqube/bin/linux-x86-64/sonar.sh start o stop

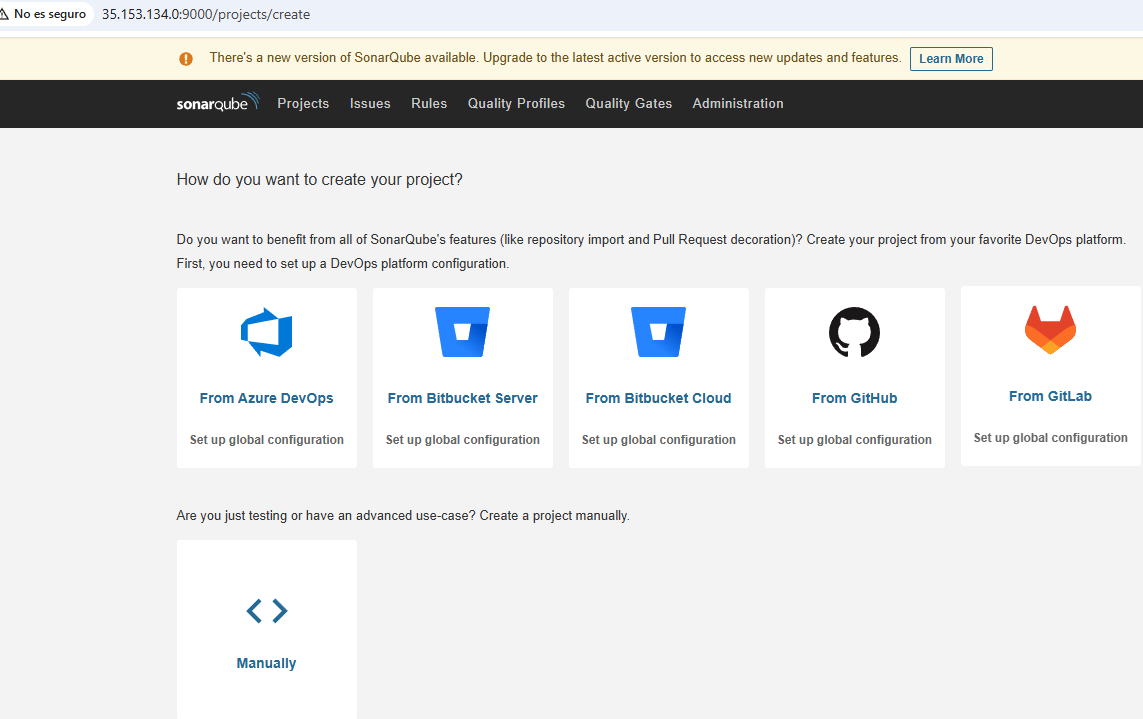
/opt/sonarqube/bin/linux-x86-64

Sonar: juan:juan credencials

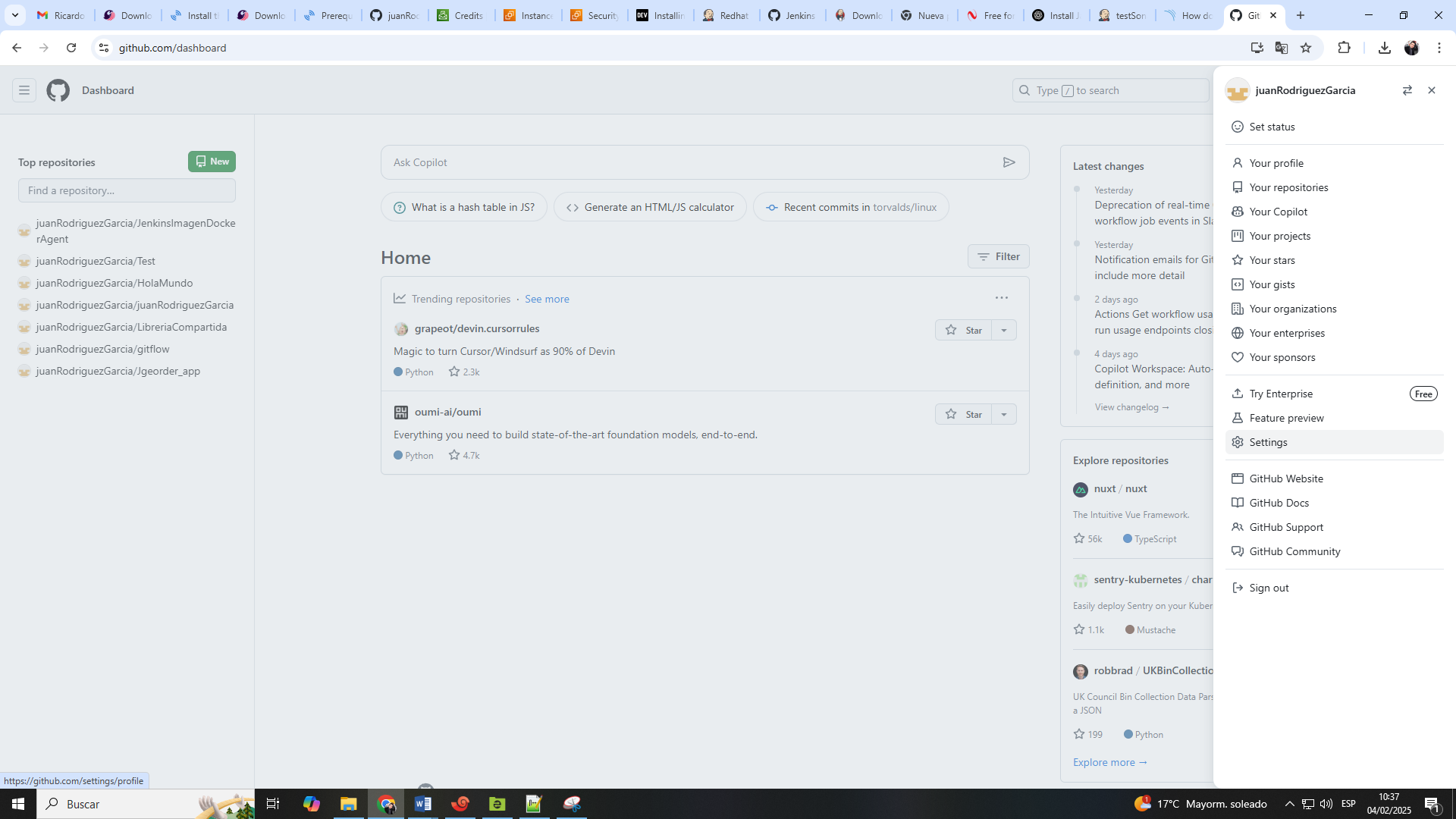
Token: b79c6833f1894dfa0a3985d5a58109869e896208

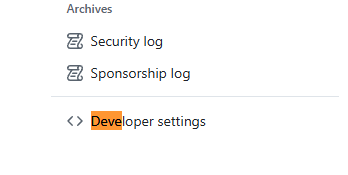
<http://35.153.134.0:9000/setup>

curl -u squ\_b79c6833f1894dfa0a3985d5a58109869e896208: <http://35.153.134.0:9000/api/qualitygates/project_status?projectKey=mi-proyecto-dockerfile>

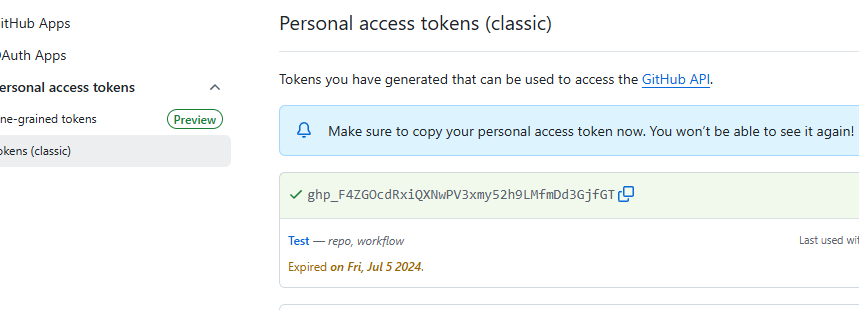


Gnerar token para Jenkins desde git:





Generar token:



ghp\_F4ZGOcdRxiQXNwPV3xmy52h9LMfmDd3GjfGT

Instalar git en el servidor Jenkins:

Agregar token a Jenkins:

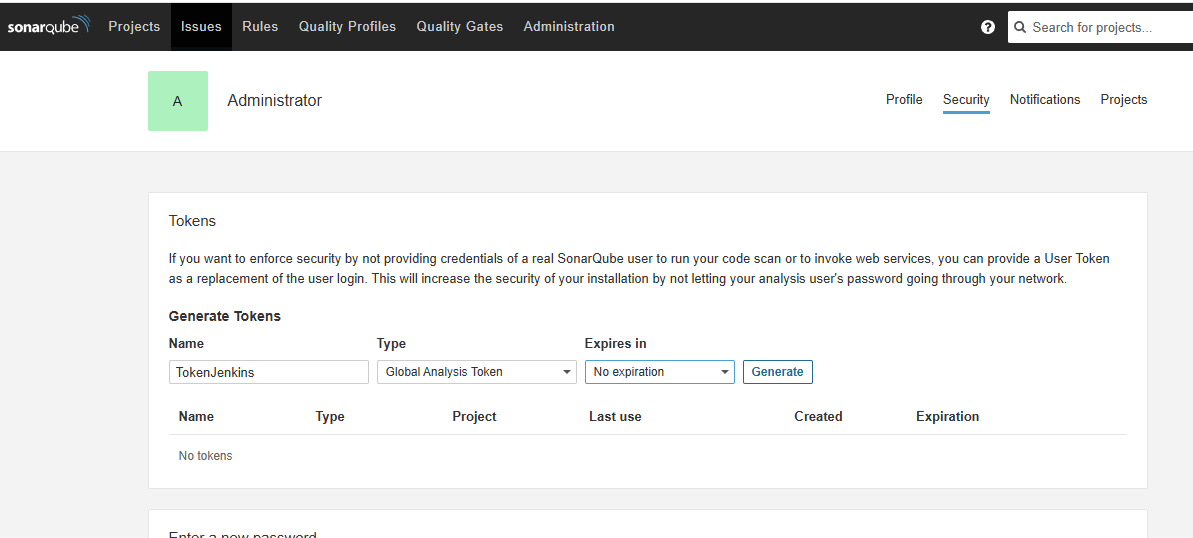
Descargar escáner desde servidor:

Agregar permisos

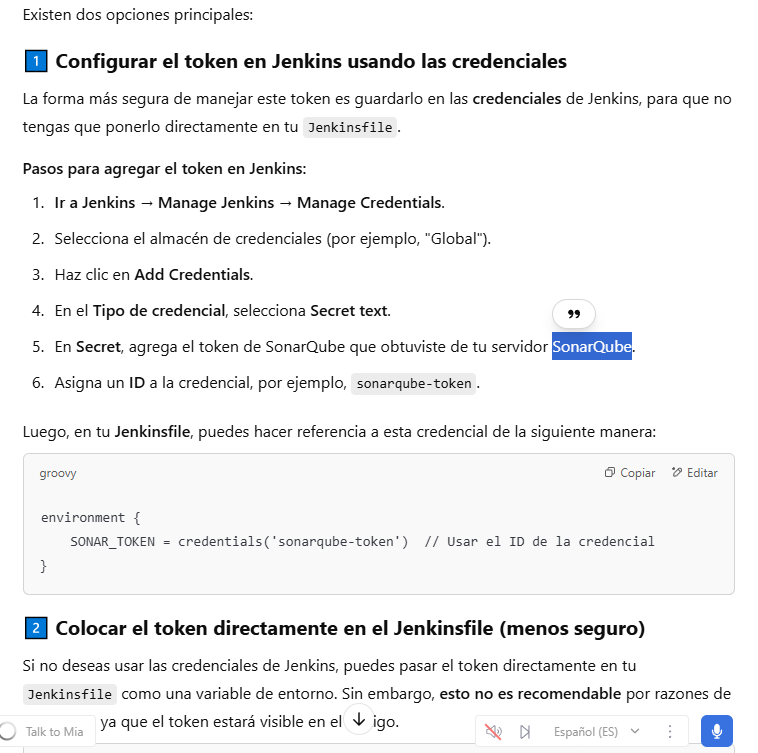
sudo chmod +x /opt/sonar-scanner/bin/sonar-scanner

sudo chown jenkins:jenkins /opt/sonar-scanner -R

Generar token sonarqube para analisis externo:



sqa\_fdc7745ef8f61e44927421f0031e7da08053f931

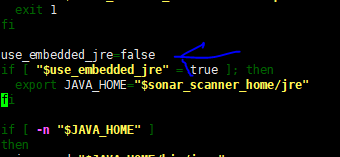


Error:

/opt/sonar-scanner/bin/sonar-scanner -Dsonar.projectKey=mi-proyecto -Dsonar.sources=src -Dsonar.host.url=[http://http://35.153.134.0](http://http/35.153.134.0) -Dsonar.login=\*\*\*\*

Could not find 'java' executable in JAVA\_HOME or PATH.

Este error puede pasar porque no tiene java instalado o en su defecto en el script sonar.sh del escaner toca comentarearle una linea de codigo que indica que toma por defecto el java que trae adjunto.



Esa viene en true, toca dejarla como false.

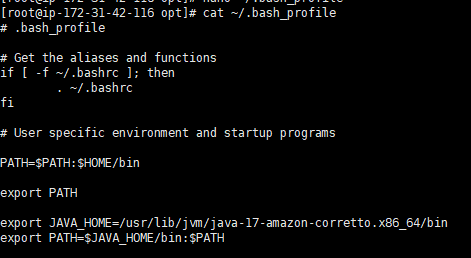
Buscar donde esta java instalado:

/usr/lib/jvm/java-17-amazon-corretto.x86\_64/bin/java

nano ~/.bash\_profile

export JAVA\_HOME=/usr/lib/jvm/java-17-amazon-corretto.x86\_64/bin

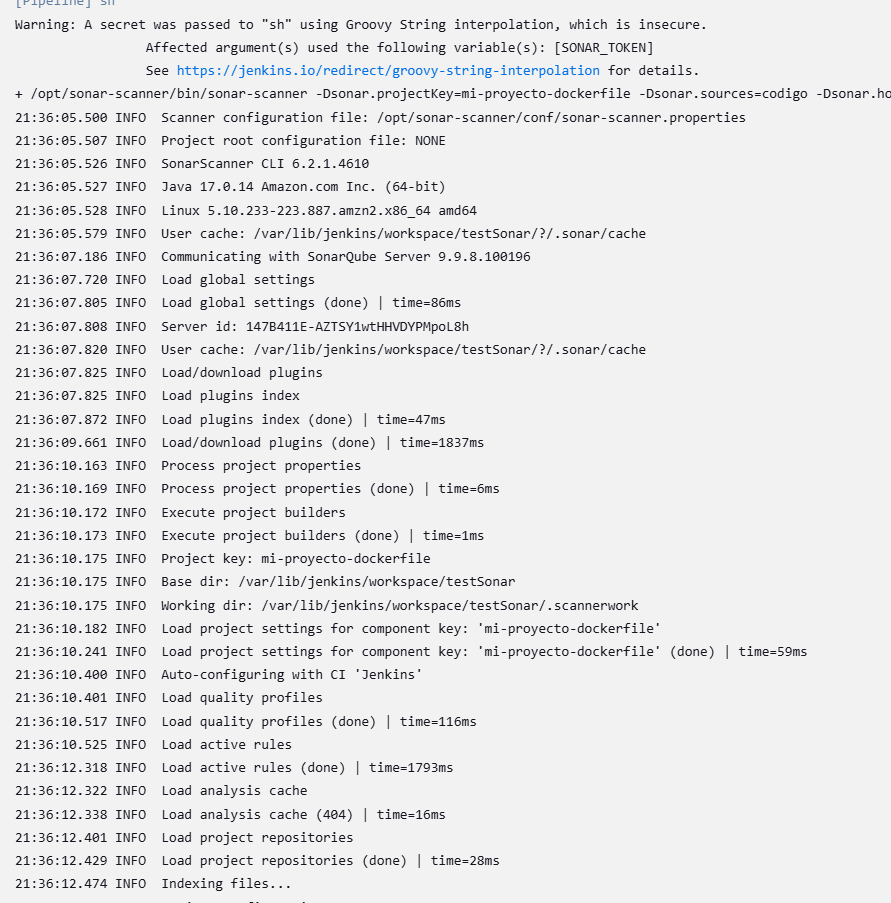
export PATH=$JAVA\_HOME/bin:$PATH

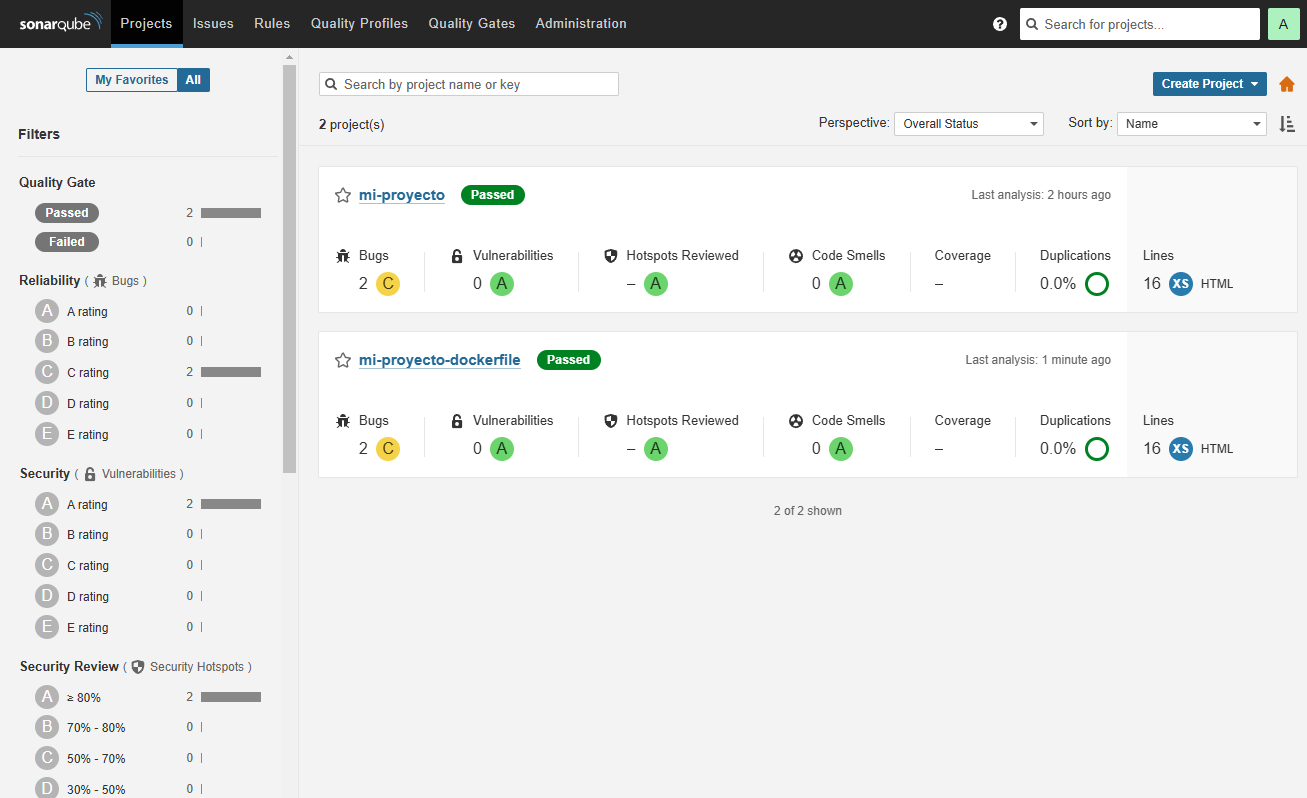


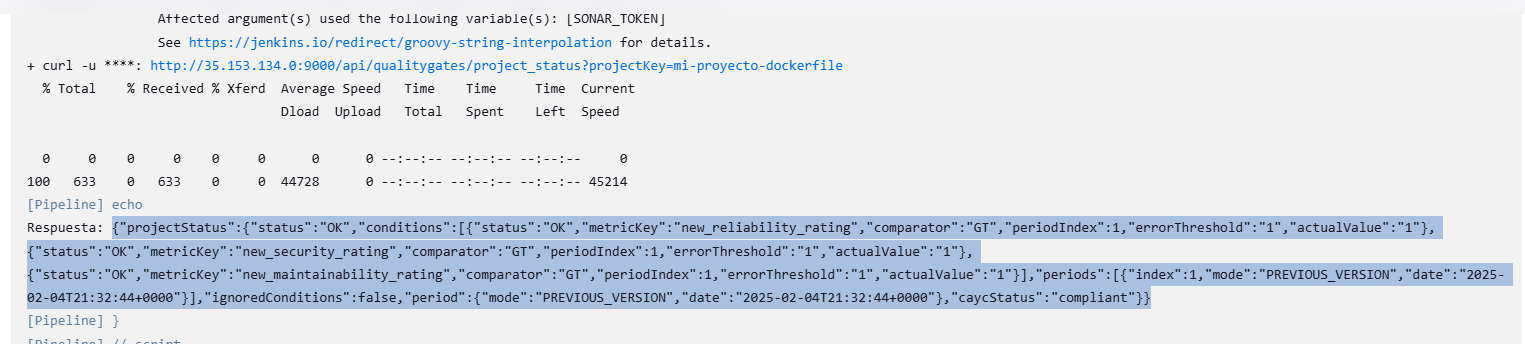
Aplicar cambios:

source ~/.bash\_profile

sudo -u sonar /opt/sonarqube/bin/linux-x86-64/sonar.sh start o stop







**Pasos para configurar el token de SonarQube en el archivo de propiedades (sonar-scanner.properties):**

1. **Crear un archivo de configuración en el contenedor Docker:**

Puedes incluir un archivo sonar-scanner.properties dentro del contenedor o dentro de la imagen Docker que uses. Este archivo se utiliza para almacenar configuraciones de SonarQube, incluido el token.

Aquí tienes un ejemplo de cómo hacerlo:

**Archivo sonar-scanner.properties**:

properties

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sonar.host.url=http://35.153.134.0:9000

sonar.login=your-sonar-token-here

Comandos utiles:

http://abcdef1234567890@35.153.134.0:9000

curl -u "squ\_b79c6833f1894dfa0a3985d5a58109869e896208:" "http://35.153.134.0:9000/api/authentication/validate"

sudo -u sonar ./sonar-scanner -Dsonar.projectKey=mi-proyecto -Dsonar.sources=/home/ec2-user/codigo -Dsonar.host.url=http://35.153.134.0:9000 -Dsonar.login=squ\_b79c6833f1894dfa0a3985d5a58109869e896208

curl -u "sqa\_fdc7745ef8f61e44927421f0031e7da08053f931:" -c cookie.txt "http://35.153.134.0:9000/api/authentication/login"

curl -u "sqa\_fdc7745ef8f61e44927421f0031e7da08053f931:" -X POST "http://35.153.134.0:9000/api/users/create" -d "login=juan&name=juan&password=juan"

curl -u \*\*\*\*: http://35.153.134.0:9000/api/qualitygates/project\_status?projectKey=mi-proyecto-dockerfile

http://35.153.134.0:9000/api/server/version

http://http//35.153.134.0:9000/api/server/version

rm -rf /opt/sonarqube/data/\*

rm -rf /opt/sonarqube/temp/\*

rm -rf /opt/sonarqube/logs/\*

sudo apt update

sudo apt install postgresql postgresql-contrib -y

sudo systemctl start postgresql

sudo systemctl enable postgresql

sudo -u postgres psql -c "CREATE DATABASE sonarqube;"

sudo -u postgres psql -c "CREATE USER sonar WITH ENCRYPTED PASSWORD 'sonar';"

sudo -u postgres psql -c "GRANT ALL PRIVILEGES ON DATABASE sonarqube TO sonar;"

nano /opt/sonarqube/conf/sonar.properties

Conexion a base:

sudo -i -u sonar

psql -h 127.0.0.1 -U sonar -d sonarqube

sonar.jdbc.url=jdbc:postgresql://localhost:5432/sonarqube

sonar.jdbc.username=sonar

sonar.jdbc.password=sonar

para amazon Linux 2:

Crear sh y dar permisos de ejecucoicion

sudo tee /etc/yum.repos.d/pgdg.repo <<EOF

[pgdg15]

name=PostgreSQL 15 for Amazon Linux 2

baseurl=https://download.postgresql.org/pub/repos/yum/15/redhat/rhel-7-x86\_64/

enabled=1

gpgcheck=0

EOF

### ****Instalar PostgreSQL 15****

Después de agregar el repositorio, instala PostgreSQL 15 con:

sh

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sudo yum install -y postgresql15 postgresql15-server

### ****3️⃣ Inicializar PostgreSQL 15****

Antes de iniciar el servicio, inicializa la base de datos:

sh

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sudo /usr/pgsql-15/bin/postgresql-15-setup initdb

### ****4️⃣ Habilitar y arrancar el servicio****

Habilita el servicio para que se inicie con el sistema:

sh

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sudo systemctl enable postgresql-15

sudo systemctl start postgresql-15

Verifica el estado con:

sh

CopiarEditar

sudo systemctl status postgresql-15

### ****5️⃣ Configurar PostgreSQL****

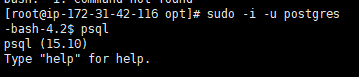
Para acceder a PostgreSQL como usuario **postgres**:

sh

CopiarEditar

sudo -i -u postgres

psql



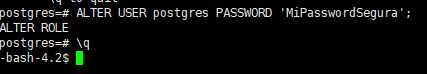
ALTER USER postgres PASSWORD 'MiPasswordSegura';

Sal de psql con:

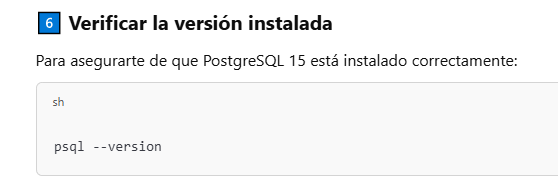
sql

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\q



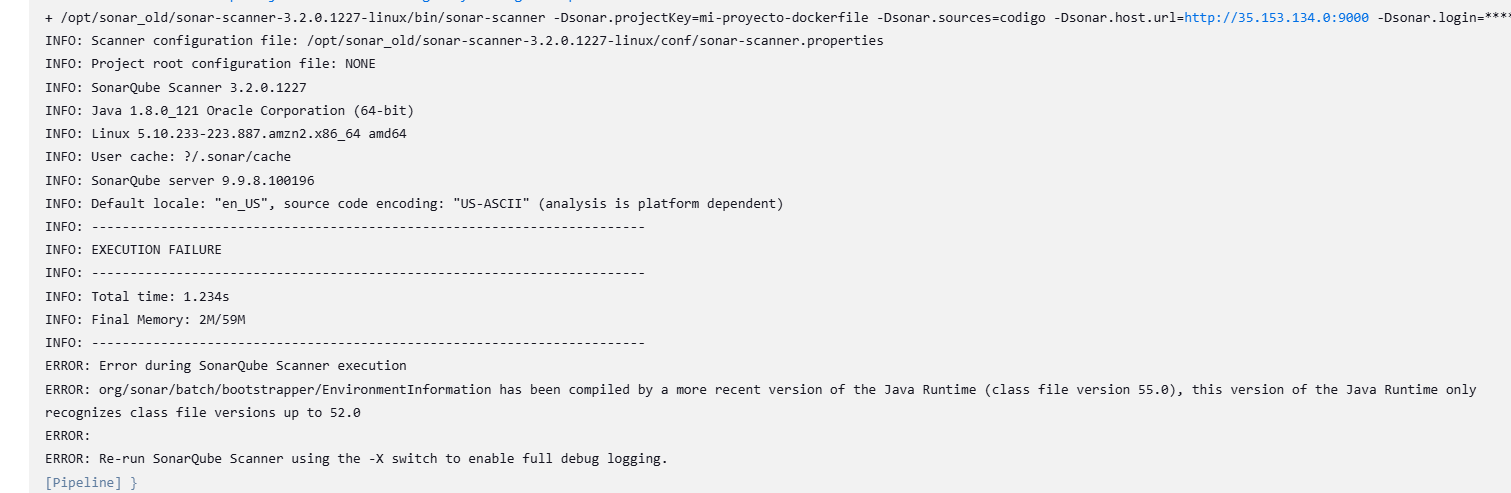
psql --version



Instalar java 1.8

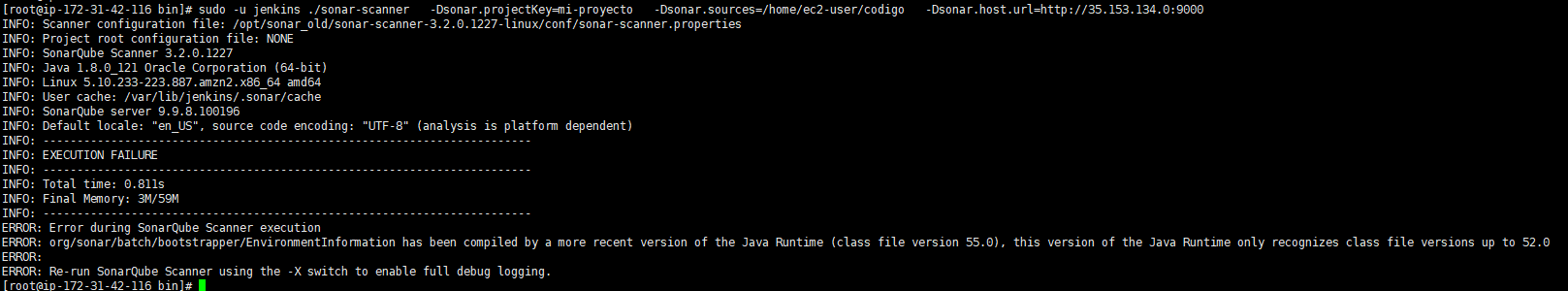
sudo yum install java-1.8.0-openjdk -y

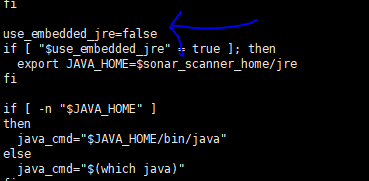
update-alternatives --config java



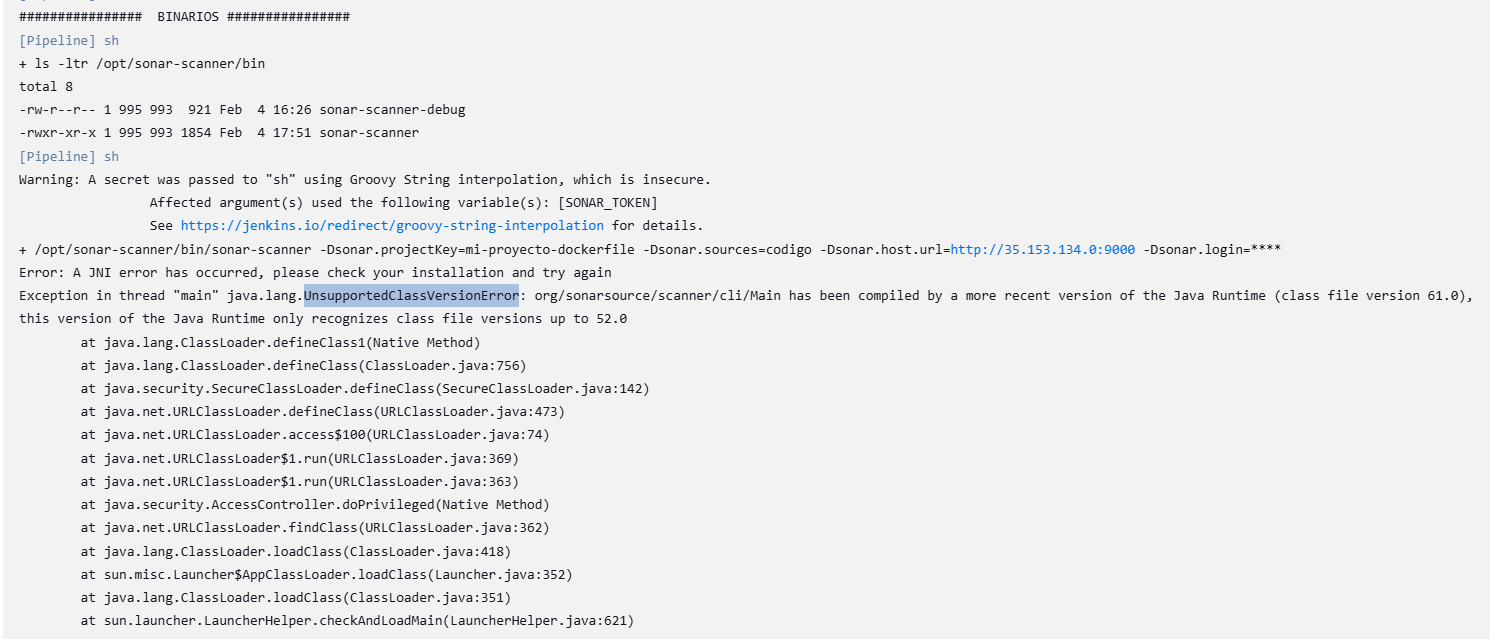
Este error se soluciona pasando los argumtos correspondientes a la ruta del java instalado en la maquina Jenkins java17.

Y editando el archivo sonar.

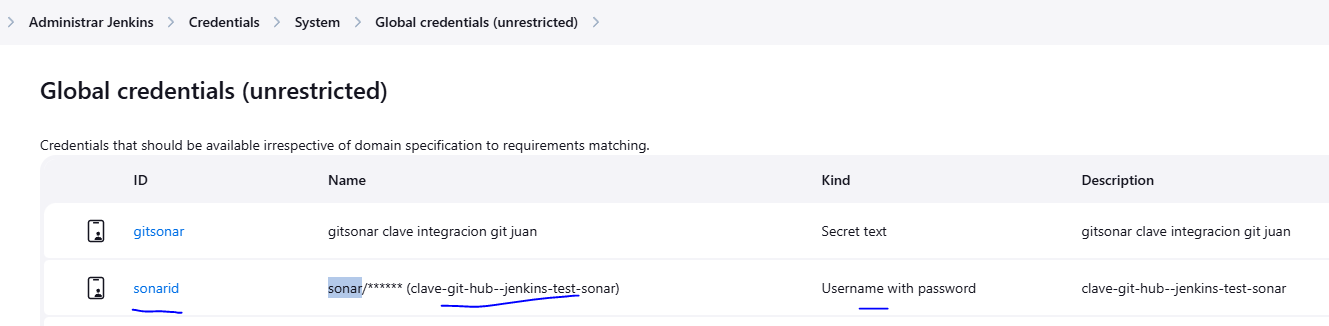




Toca pasarlo a true para que no tome el jre embebido.



Integrar comandos git en Jenkins:



Se debe autenticar a git vía pipeline usando el usuario configurado como se muestra el resaltado en azul:

Ejemplo validar si esta retornado bien las credenciales almacenadas en jenkins

withCredentials([[$class: 'UsernamePasswordMultiBinding', credentialsId: 'sonarid',

usernameVariable: 'sonar', passwordVariable: 'GITHUB\_ACCESS\_TOKEN']]) {

echo "Usuario de GitHub: ${env.sonar}"

echo "Longitud del token: ${env.GITHUB\_ACCESS\_TOKEN?.length() ?: 'No asignado'}"

echo "Token del token: ${env.GITHUB\_ACCESS\_TOKEN}"

}

Para crear el pr se requiere otro token:

### ****Requisitos Previos****

* **Instalar GitHub CLI en Jenkins**  
  Si gh no está instalado, agrégalo en la máquina Jenkins:

sh

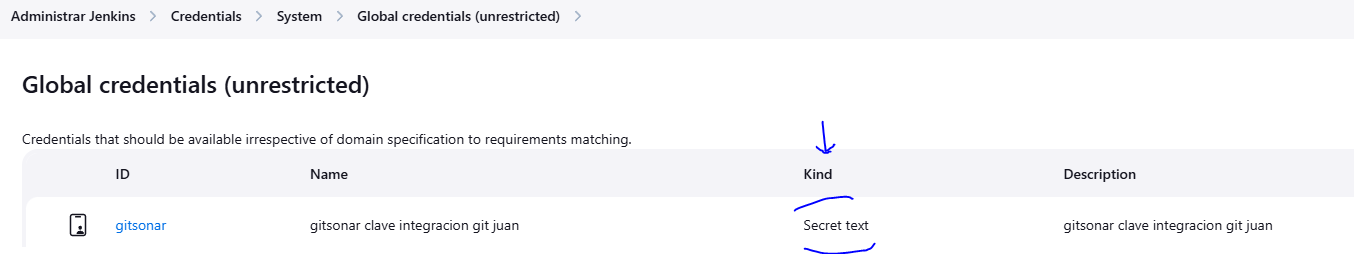
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sudo apt install gh # Ubuntu/Debian

brew install gh # macOS

O usa el instalador de GitHub para Windows.

* **Configurar el token en Jenkins**
  + Ve a **Jenkins > Manage Jenkins > Manage Credentials**.
  + Agrega una nueva credencial de tipo **"Secret text"** con el ID github-pat.
  + El valor del secreto debe ser un **GitHub Personal Access Token (PAT)** con permisos para repo.



Error:

+ git fetch --tags

+ git checkout -b featur-1.0.1 1.0.1

Previous HEAD position was f689cd1 add

Switched to a new branch 'featur-1.0.1'

+ echo \*\*\*\*

+ gh auth login --with-token

/var/lib/jenkins/workspace/TestCicd@tmp/durable-f0546ffc/script.sh.copy: line 6: gh: command not found

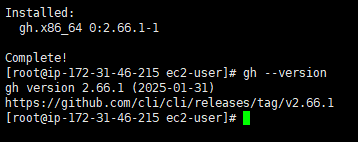
Se debe instalar el parquet “gh”

Para amazon Linux 2.

sudo yum install -y yum-utils

sudo yum-config-manager --add-repo https://cli.github.com/packages/rpm/gh-cli.repo

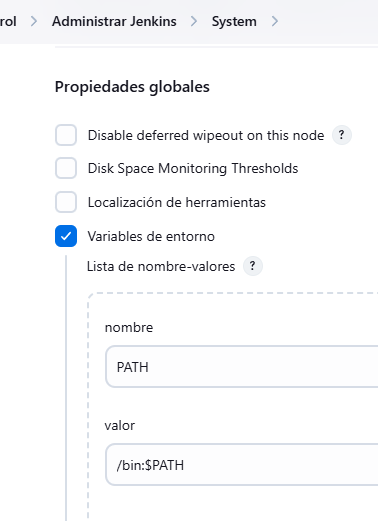
sudo yum install -y gh

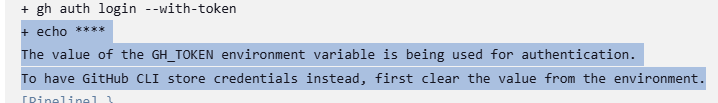


Toca encontrar la ruta:



Esa ruta se debe agregar a las variables de entorno de Jenkins para que este reconozca el comando:





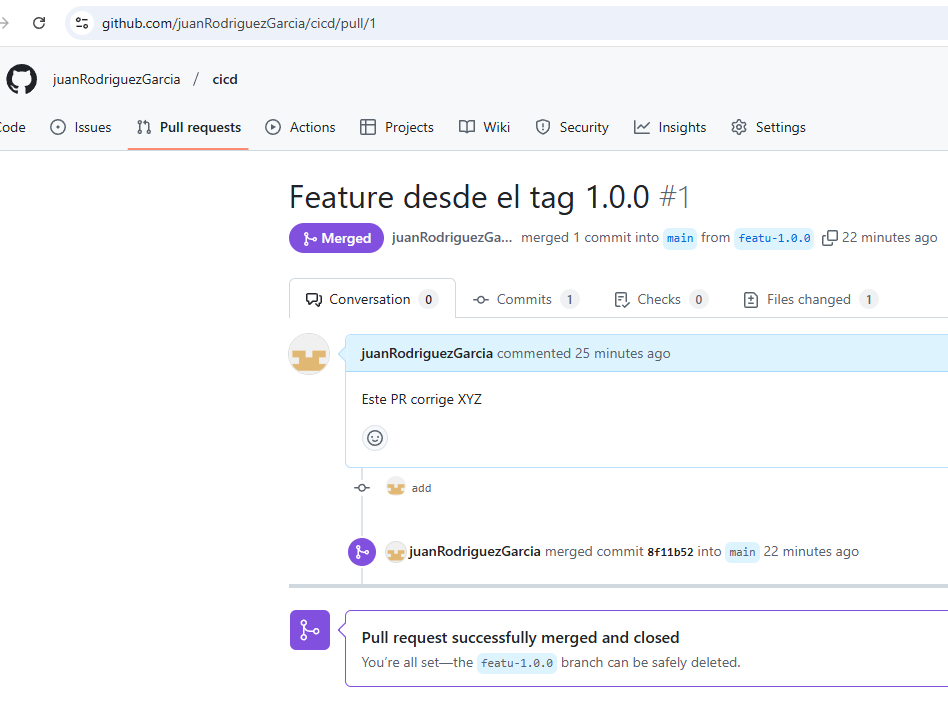
Se debe loguear, puede hacerse directamente con el siguiente comando.

echo "ghp\_F4ZGOcdRxiQXNwPV3xmy52h9LMfmDd3GjfGT" | gh auth login --with-token



O extrayéndolo de una variable global configurada previamente:

Se genero el Pr desde la rama indicada:



Generar un webhook:

## **Método 1: Configurar el Webhook con la URL del Job Específico**

En lugar de usar la URL genérica, puedes usar la URL directa del job en Jenkins:

* **Para Freestyle Job o Pipeline Job** (GitLab o GitHub):

bash

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http://tu-servidor-jenkins/job/NOMBRE\_DEL\_JOB/build?token=MI\_TOKEN

* + **Ejemplo para un job llamado testjob**:

ruby

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http://tu-servidor-jenkins/job/testjob/build?token=12345

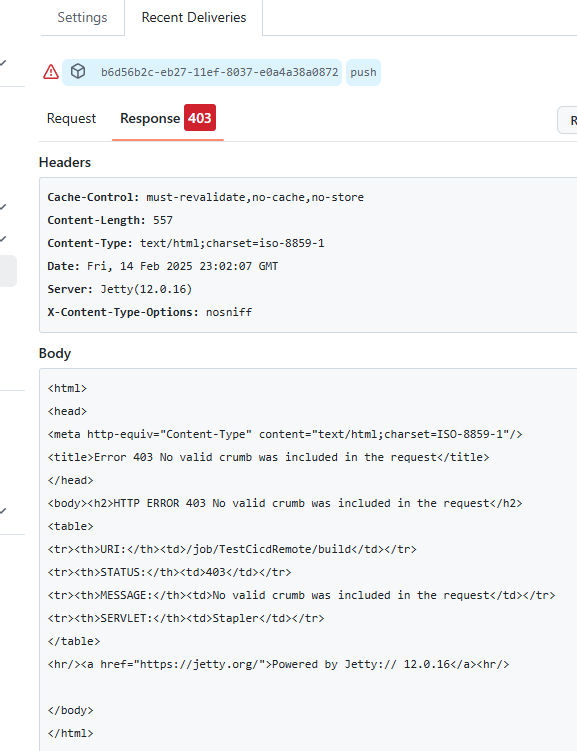
* + Para esto, debes **habilitar el disparo remoto** en **Jenkins > Configuración del Job > Build Triggers > Trigger builds remotely (e.g., from scripts)** y definir un **token** (MI\_TOKEN).

Usar esta dirección web para lanzar la ejecución remota JENKINS\_URL/job/TestCicdRemote/build?token=TOKEN\_NAME o /buildWithParameters?token=TOKEN\_NAME  
Optionally append &cause=Cause+Text to provide text that will be included in the recorded build cause.

Agregar listado de ips de git: <https://api.github.com/meta>

Despues de esto genera un error de scross-site:

Esto significa que ya tenemos acceso a Jenkins,

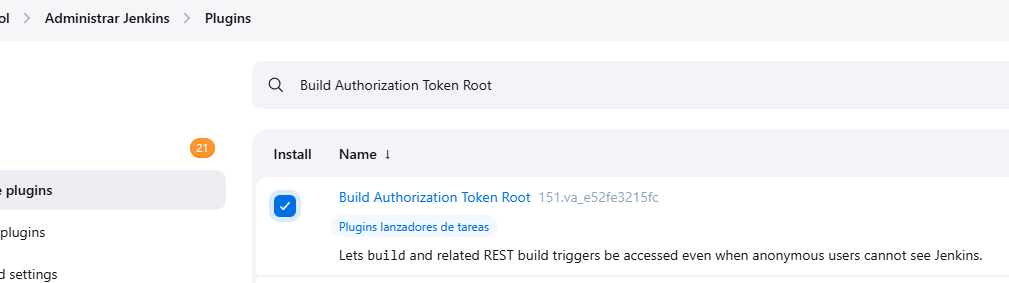


Pero toca validar las alternativas para permitir ejecuciones remotas.

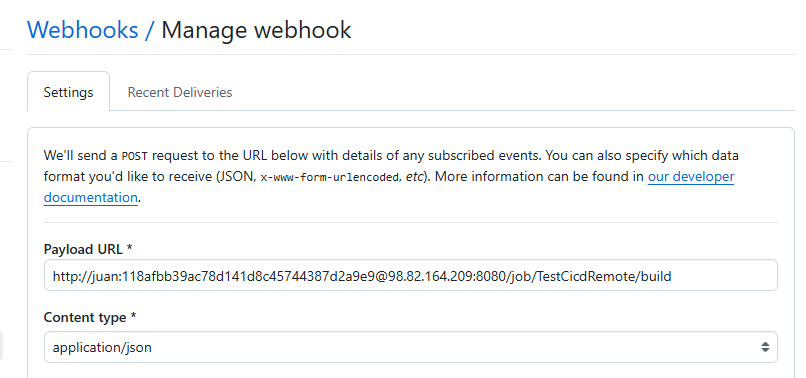
Agregar token al usuario que se le va permitir acceder:

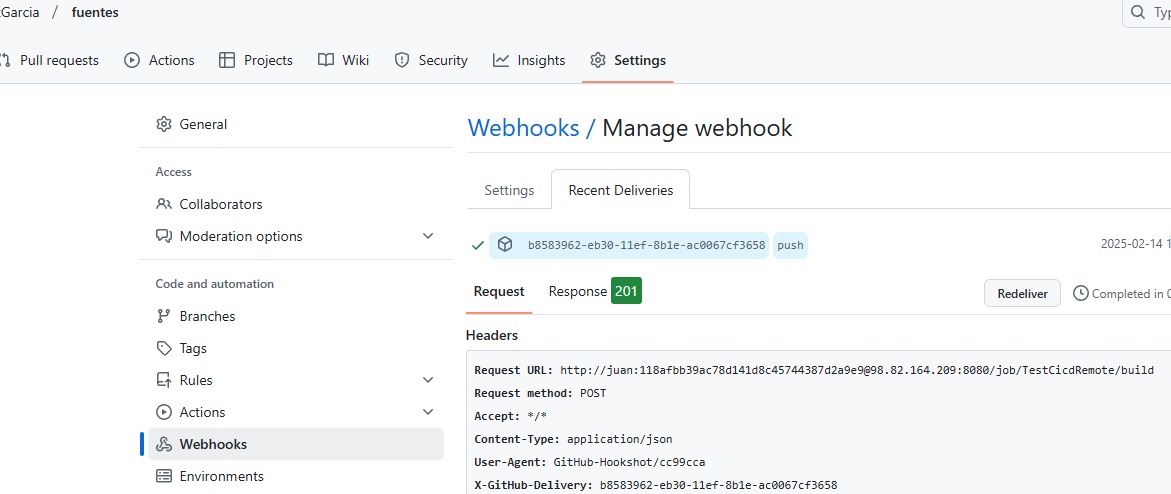
118afbb39ac78d141d8c45744387d2a9e9

Instalar plugin:

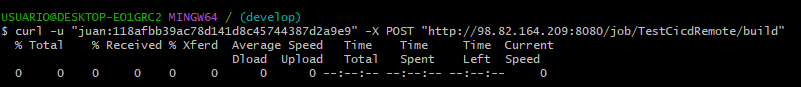


<http://juan:118afbb39ac78d141d8c45744387d2a9e9@98.82.164.209:8080/job/TestCicdRemote/build>





Tambien se puede usar un curl:



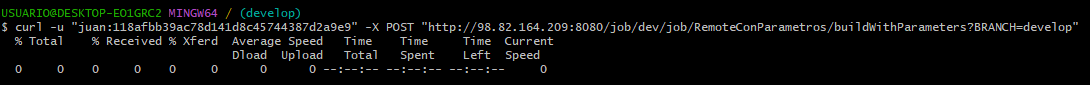


Con parámetro:

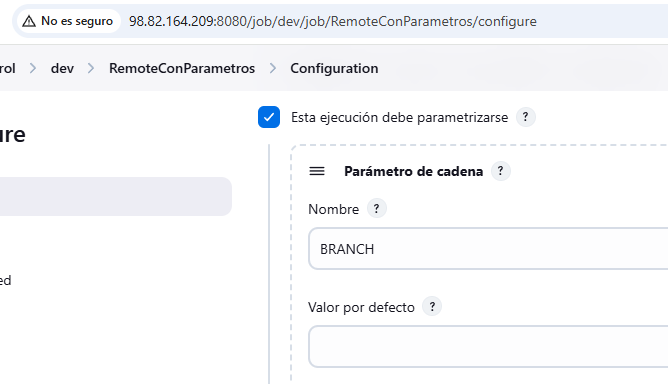
Nuevo job: se creo una carpeta llamada “dev”

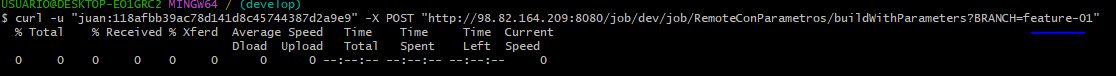
<http://98.82.164.209:8080/job/dev/job/RemoteConParametros/>

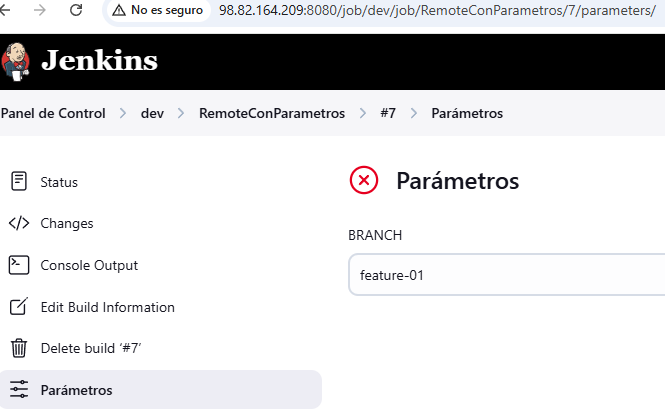
curl -u "juan:118afbb39ac78d141d8c45744387d2a9e9" -X POST <http://98.82.164.209:8080/job/dev/job/RemoteConParametros/buildWithParameters?BRANCH=develop>



En Jenkins se debe agregar un parámetro para que lo reconozca.



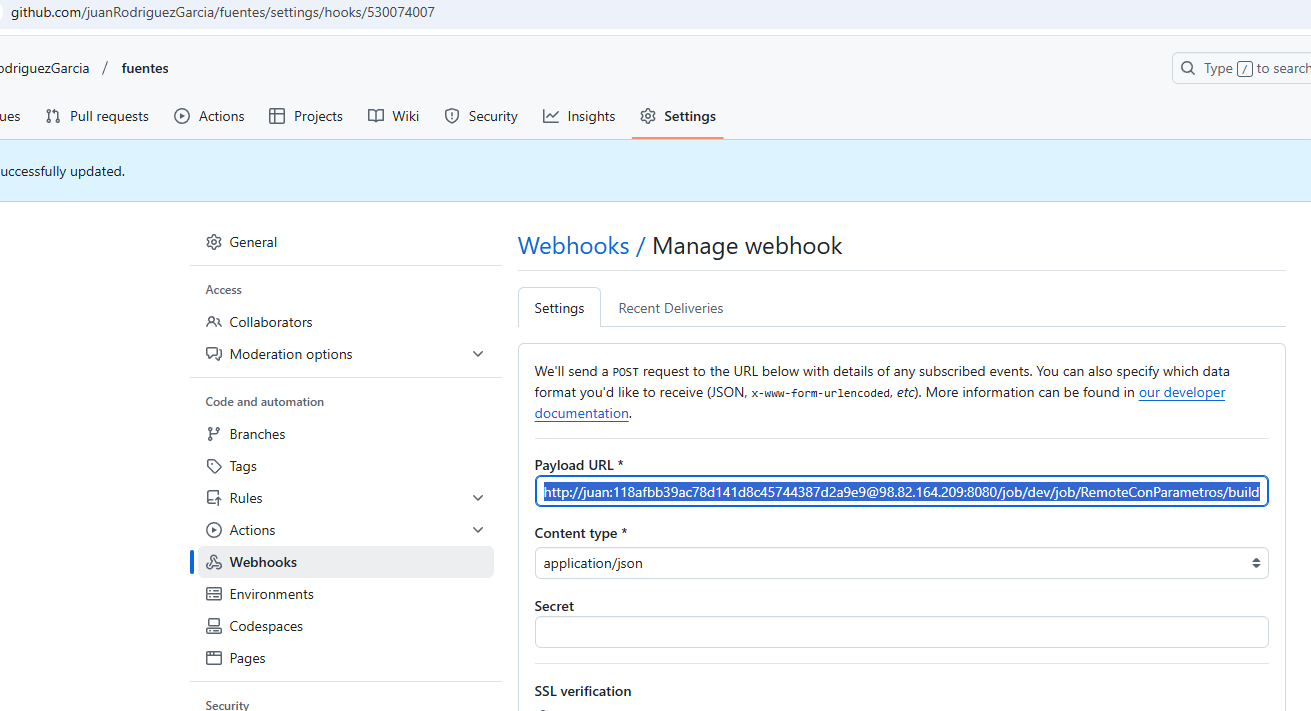




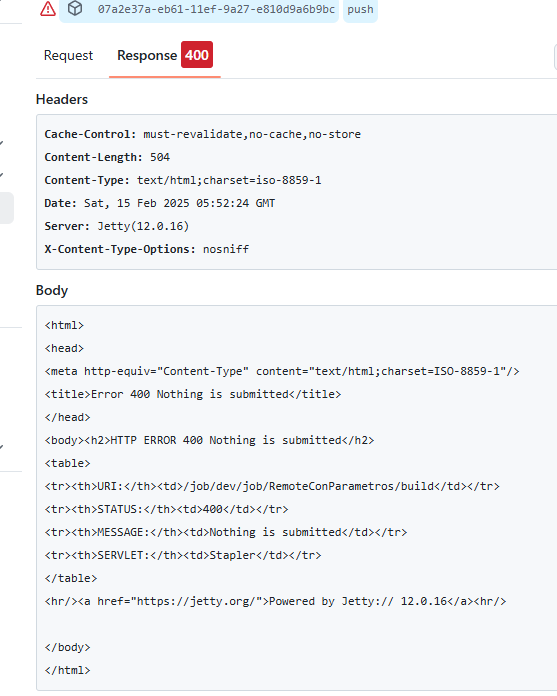
Esto fue lo que envio en este ejemplo

En git va asi:

<http://juan:118afbb39ac78d141d8c45744387d2a9e9@98.82.164.209:8080/job/dev/job/RemoteConParametros/buildWithParameters?BRANCH=develop-02>

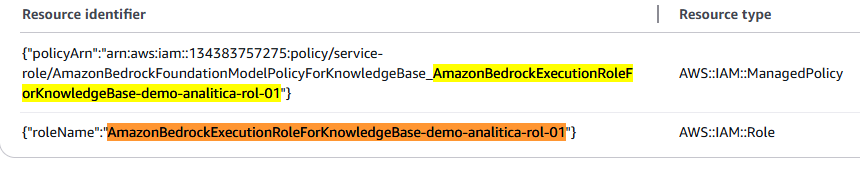


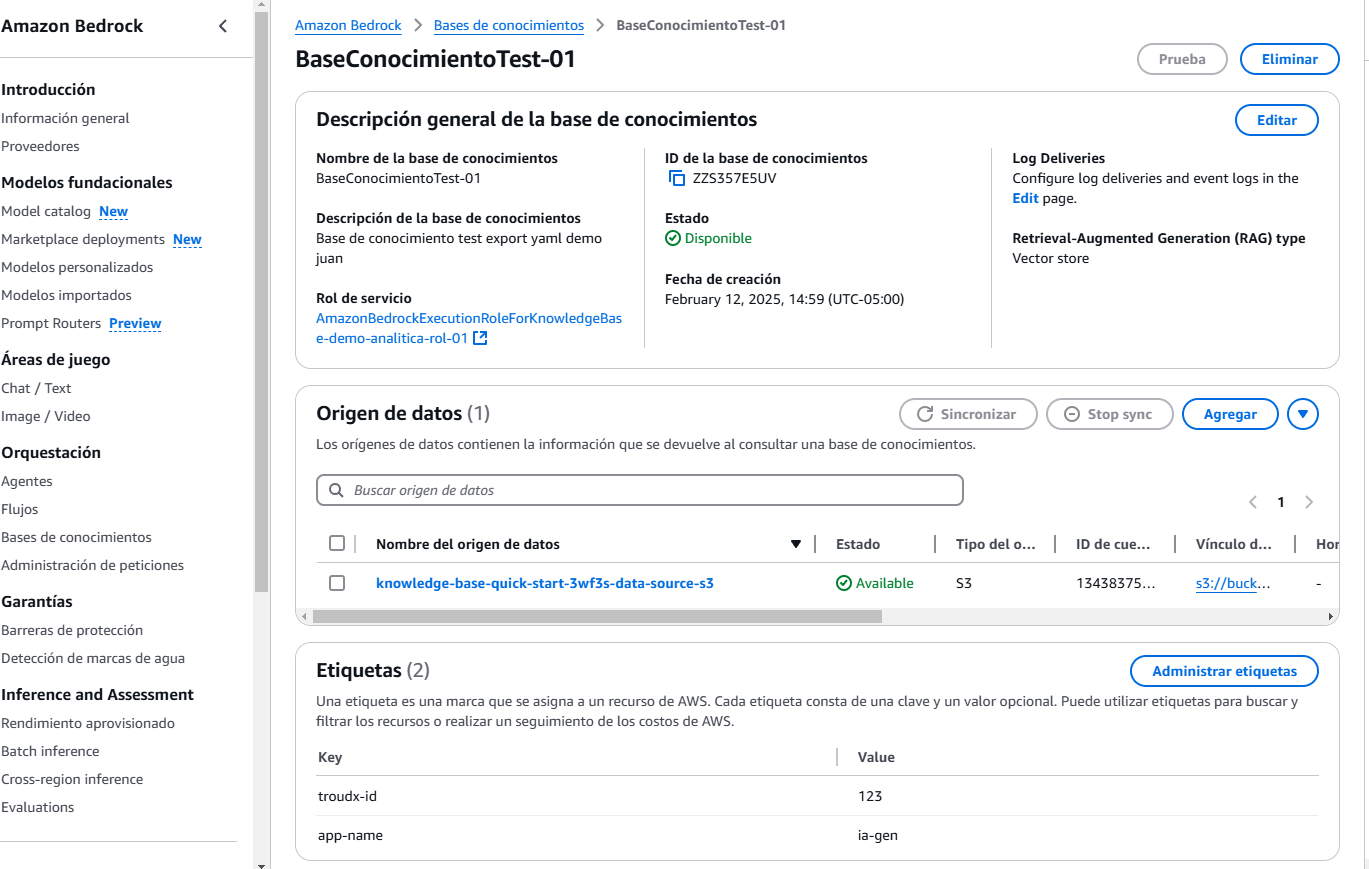
Este error:

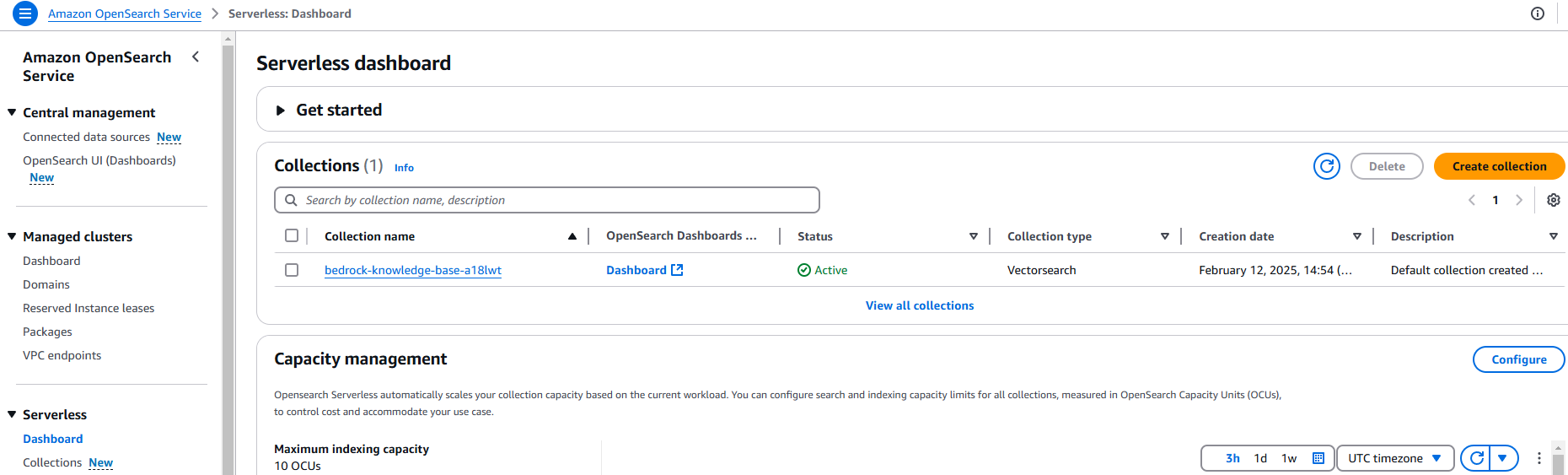


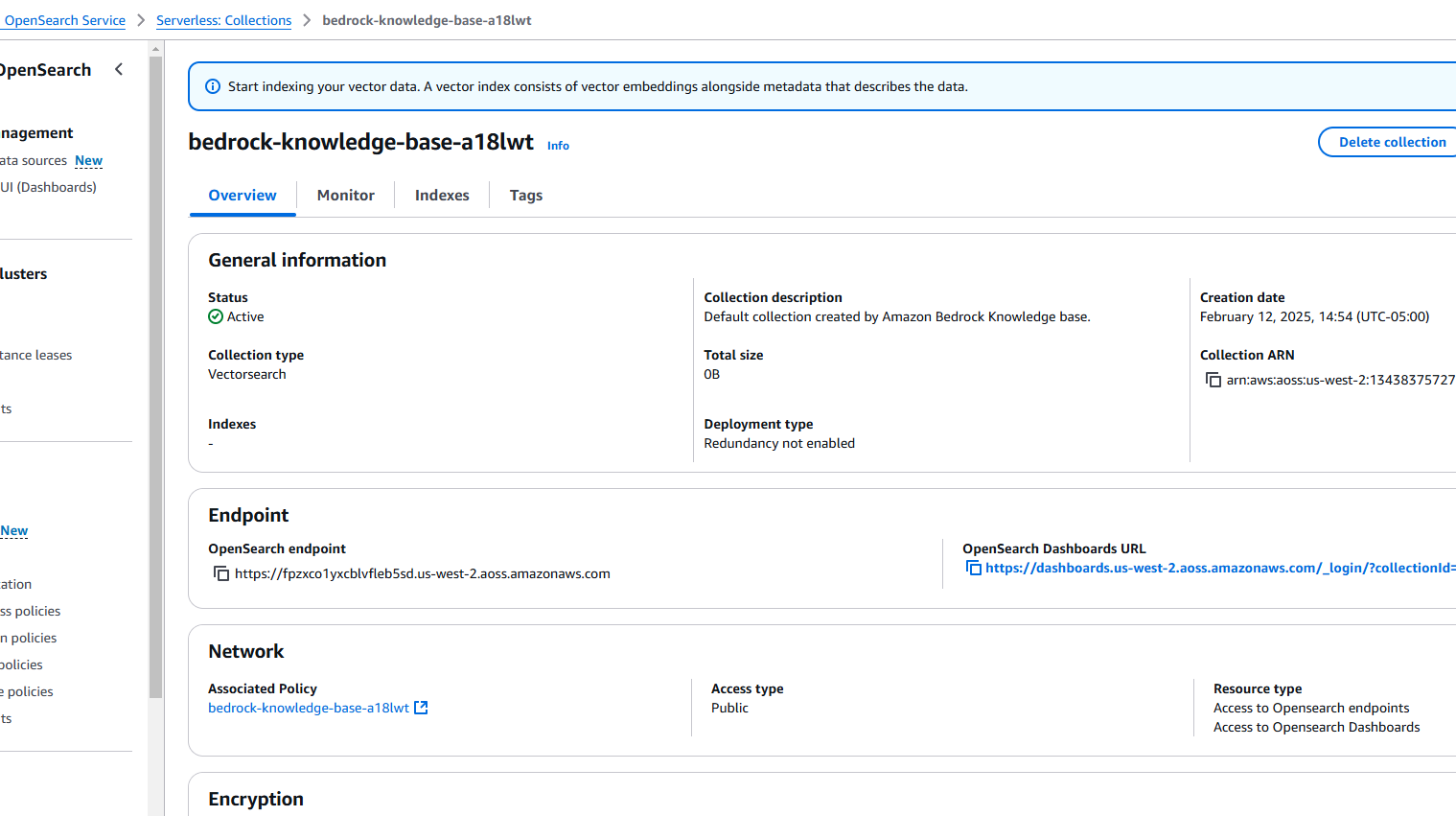
Esto es porque el job se configuro para recibir parámetros, por lo que se deben enviar en el buildwithparameters o en su defecto usar solo build y quitar los parámetros del job.

|  |  |
| --- | --- |
| {"policyArn":"arn:aws:iam::134383757275:policy/service-role/AmazonBedrockFoundationModelPolicyForKnowledgeBase\_AmazonBedrockExecutionRoleForKnowledgeBase-demo-analitica-rol-01"} | AWS::IAM::ManagedPolicy |
| {"roleName":"AmazonBedrockExecutionRoleForKnowledgeBase-demo-analitica-rol-01"} | AWS::IAM::Role |

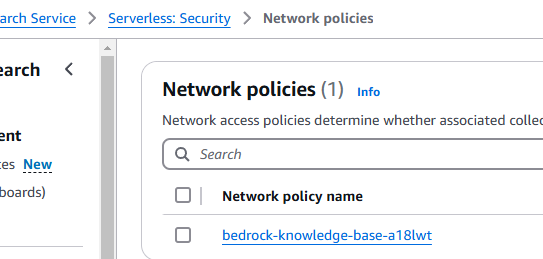


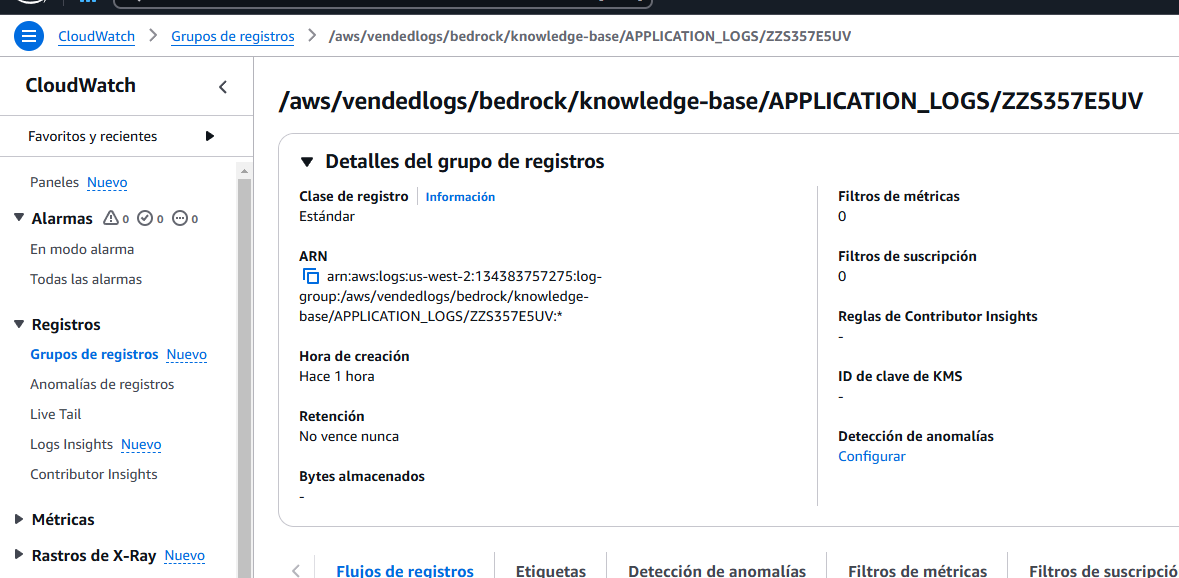






Validar el tipo de acceso:





Instalar python

sudo yum install python3 -y

pip3 install flask

Para ejeuctar el programa:  python3 app.py

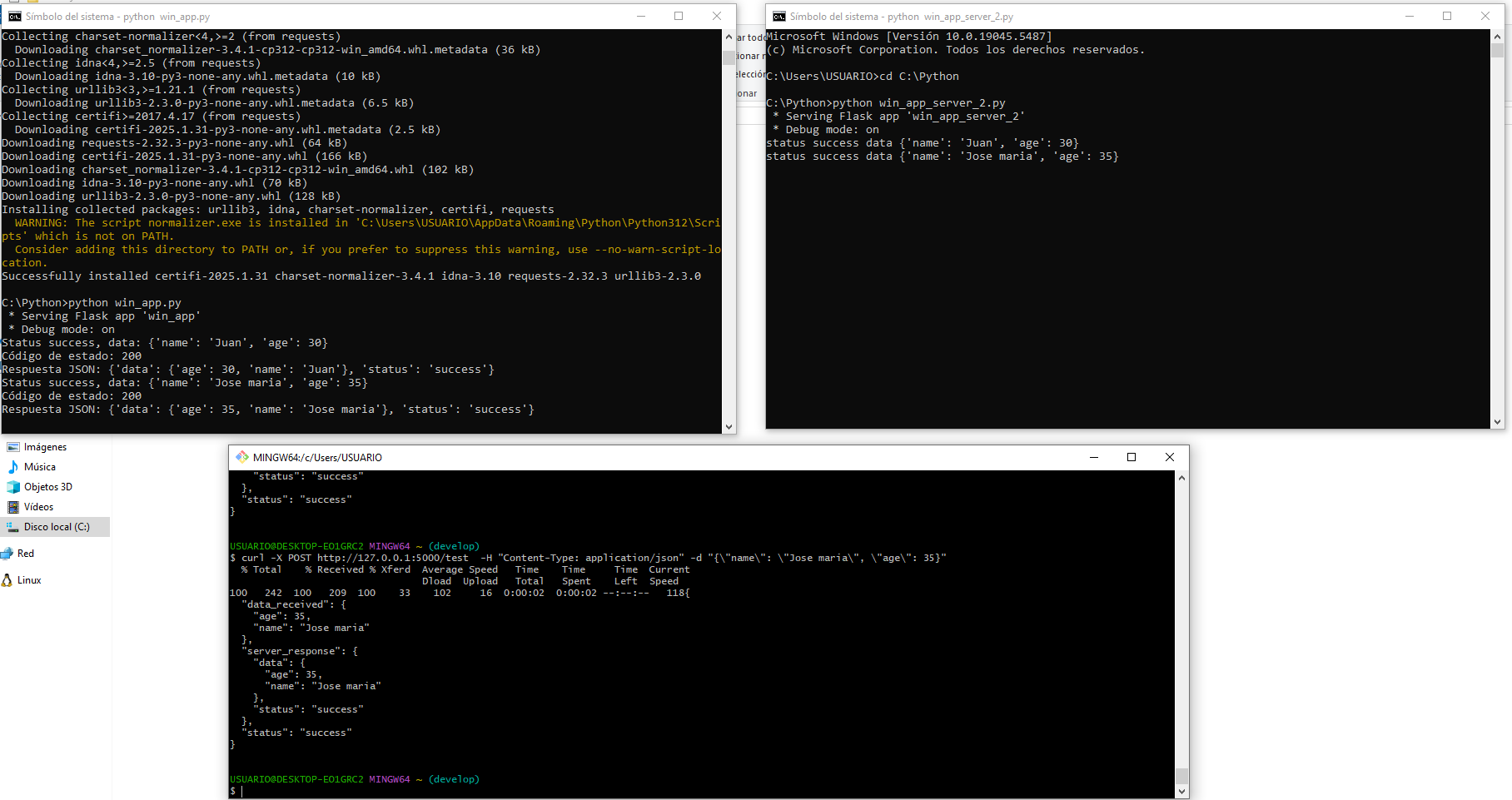


Probar:

curl http://localhost:5000/test?param=value

curl -X POST http://localhost:5000/test -d "param=value"

<http://127.0.0.1:5000/test?name=juan>



App.py

from flask import Flask, request

import logging

app = Flask(\_\_name\_\_)

# Configurar logging en Amazon Linux 2

logging.basicConfig(filename="/var/log/flask\_app.log", level=logging.INFO,

format="%(asctime)s - %(levelname)s - %(message)s")

@app.route('/test', methods=['GET', 'POST'])

def handle\_request():

if request.method == 'GET':

data = request.args.to\_dict()

log\_msg = f"Received GET request: {data}"

elif request.method == 'POST':

data = request.form.to\_dict()

log\_msg = f"Received POST request: {data}"

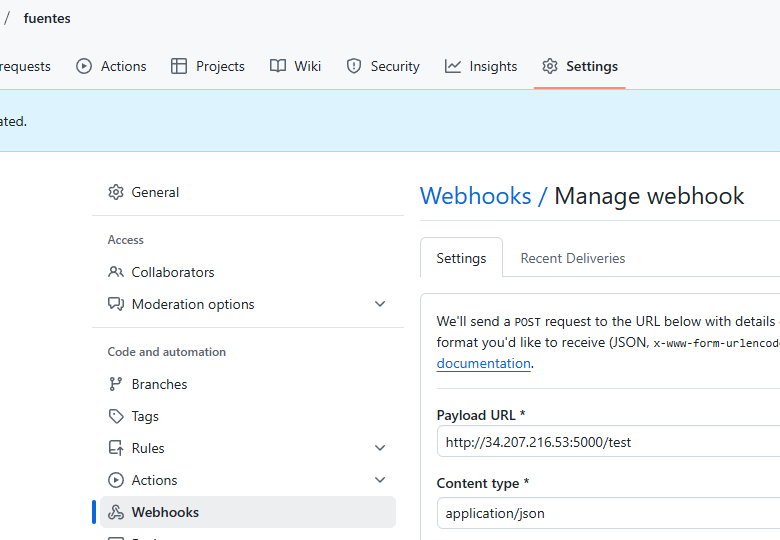
print(log\_msg) # Muestra en consola

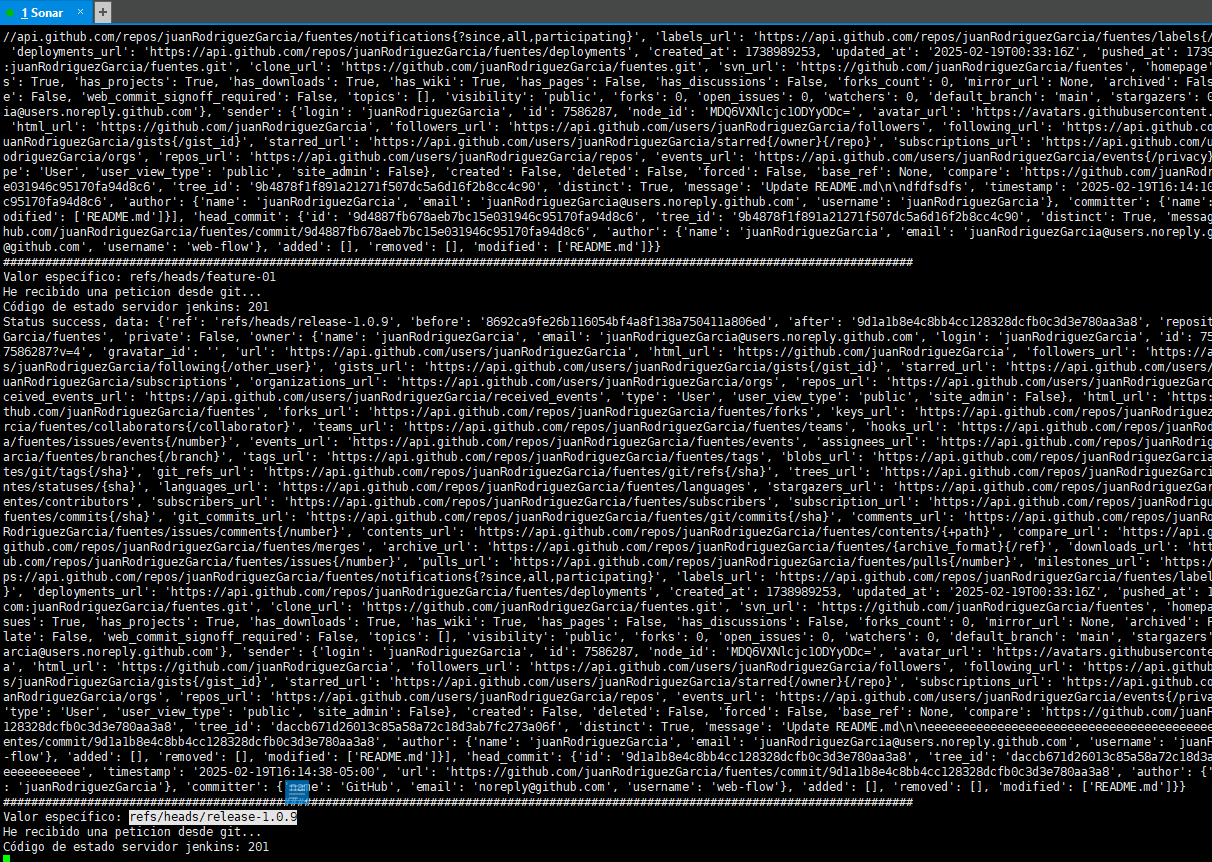
app.logger.info(log\_msg) # Guarda en log

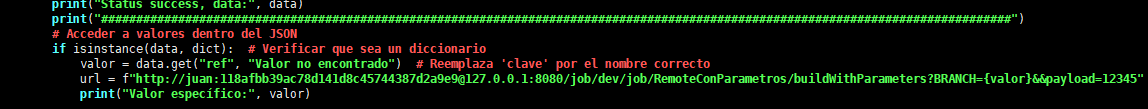
return {"status": "success", "data": data}, 200

if \_\_name\_\_ == '\_\_main\_\_':

app.run(host='0.0.0.0', port=5000, debug=True)







{

"action":"closed",

"number":14,

"pull\_request":{

"url":"https://api.github.com/repos/juanRodriguezGarcia/fuentes/pulls/14",

"id":2345688314,

"node\_id":"PR\_kwDON2MJgs6L0Fz6",

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"patch\_url":"https://github.com/juanRodriguezGarcia/fuentes/pull/14.patch",

"issue\_url":"https://api.github.com/repos/juanRodriguezGarcia/fuentes/issues/14",

"number":14,

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"user":{

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"id":7586287,

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