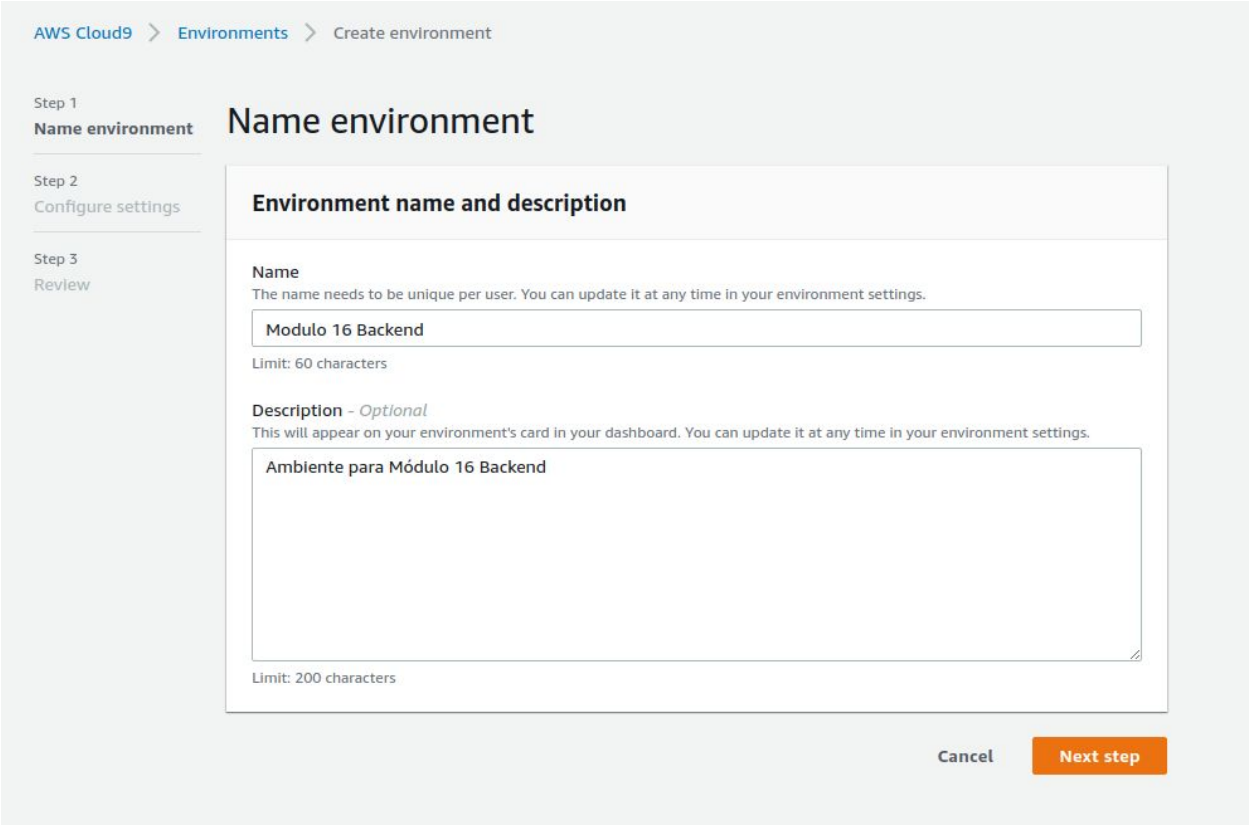
Clase 16 - Backend

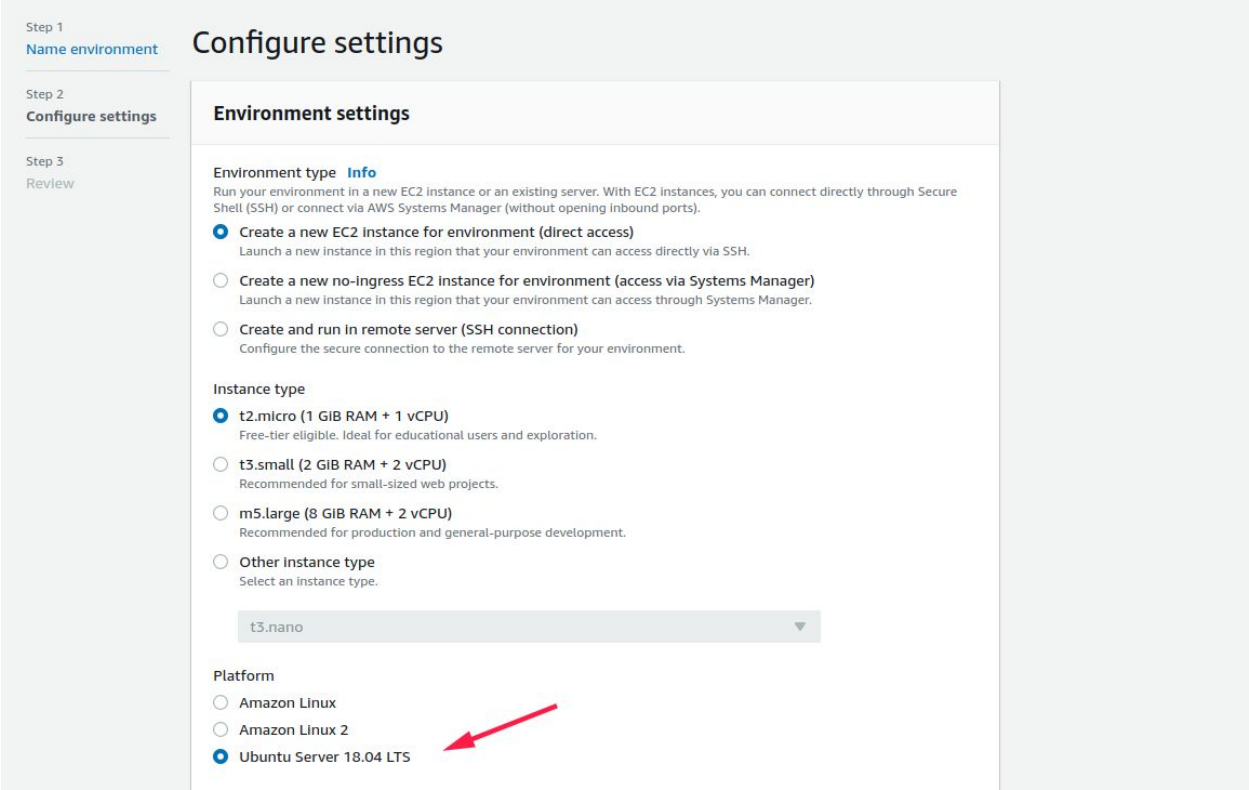
Practica

1. Crear ambiente de cloud9

Nombre: **Modulo 16 Backend**
Descripción: **Ambiente para Módulo 16 Backend**



Seleccionar Platform → Ubuntu Server



Create Environment

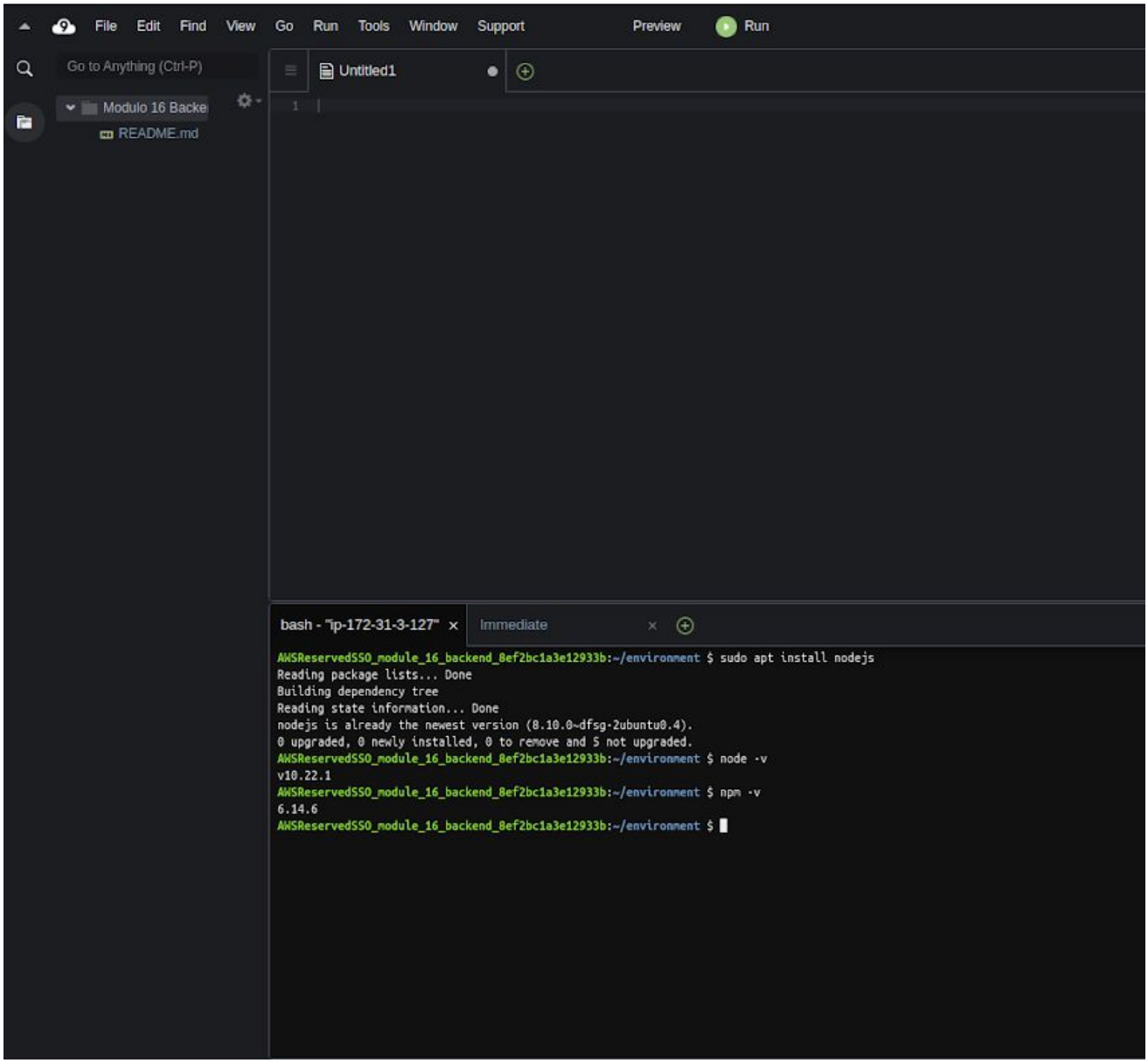
2. Instalar Node.js

En la terminal ejecutar >

sudo apt install nodejs

Luego para verificar la instalación ejecutar >

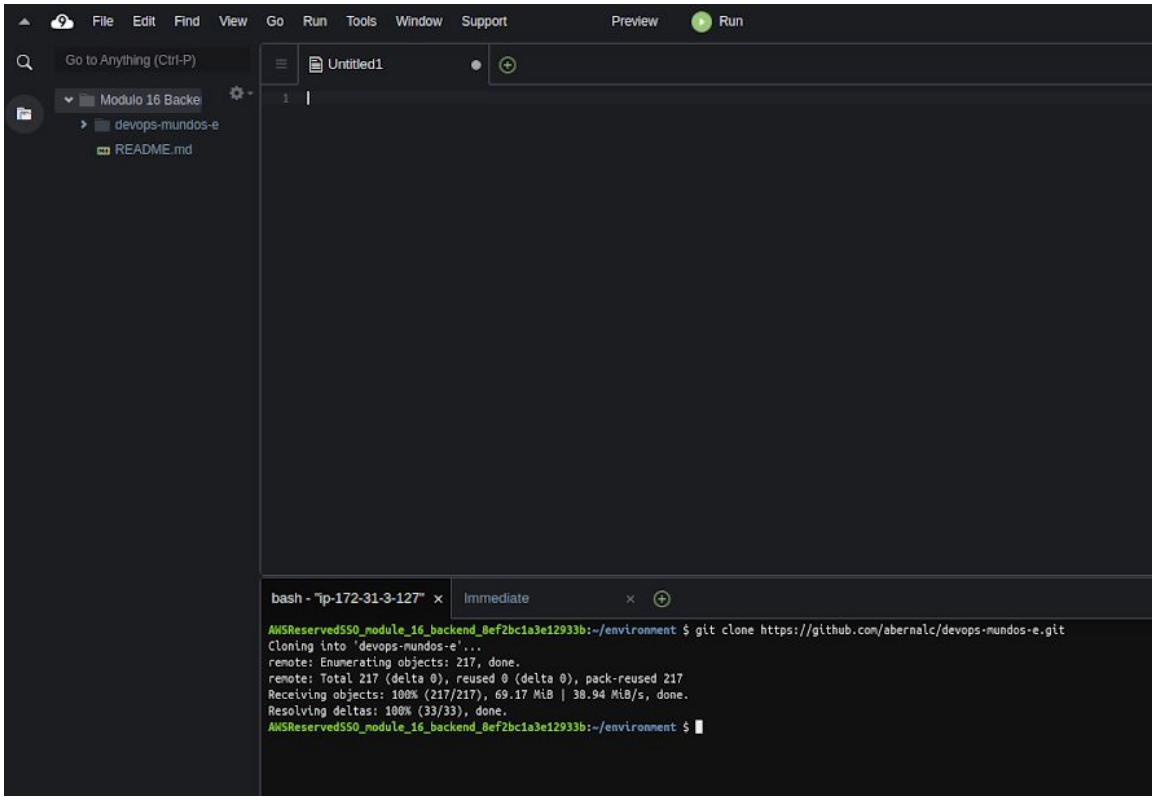
node -v
npm -v



3. Clonar el Repositorio

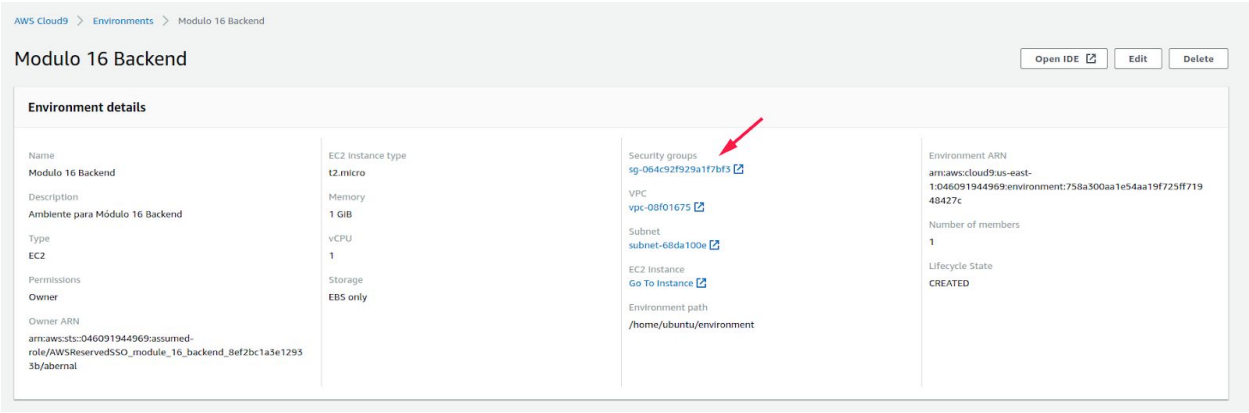
Ejecutar >

git clone https://github.com/abernalc/devops-mundos-e.git

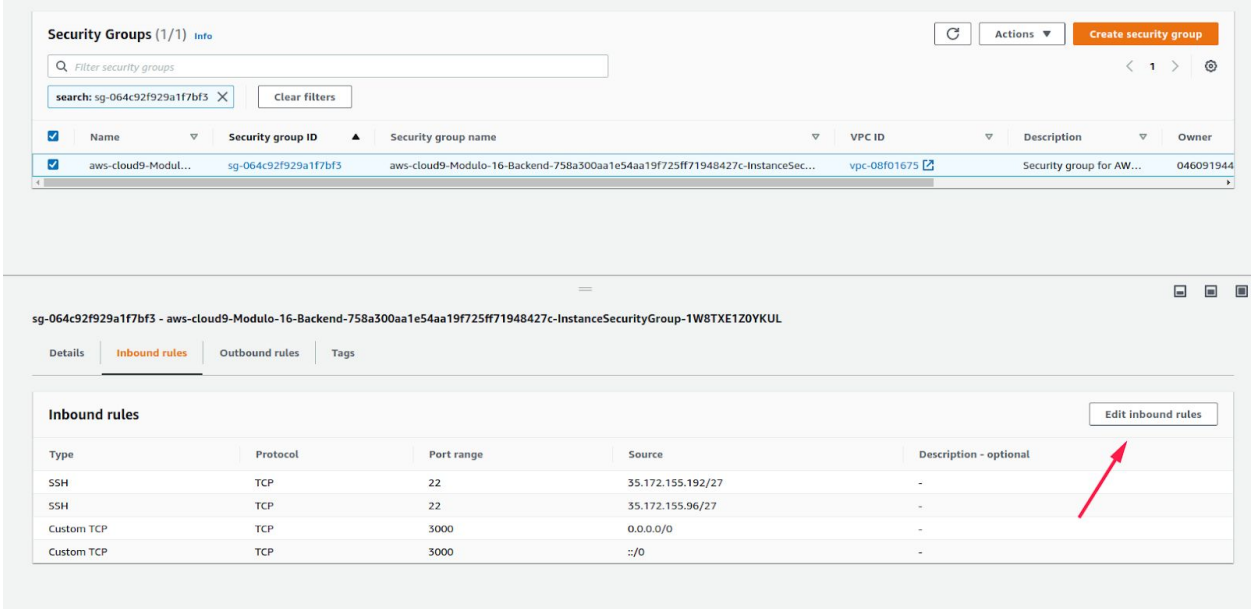


4. Modificar Grupo de Seguridad para permitir request hacia el puerto 3000

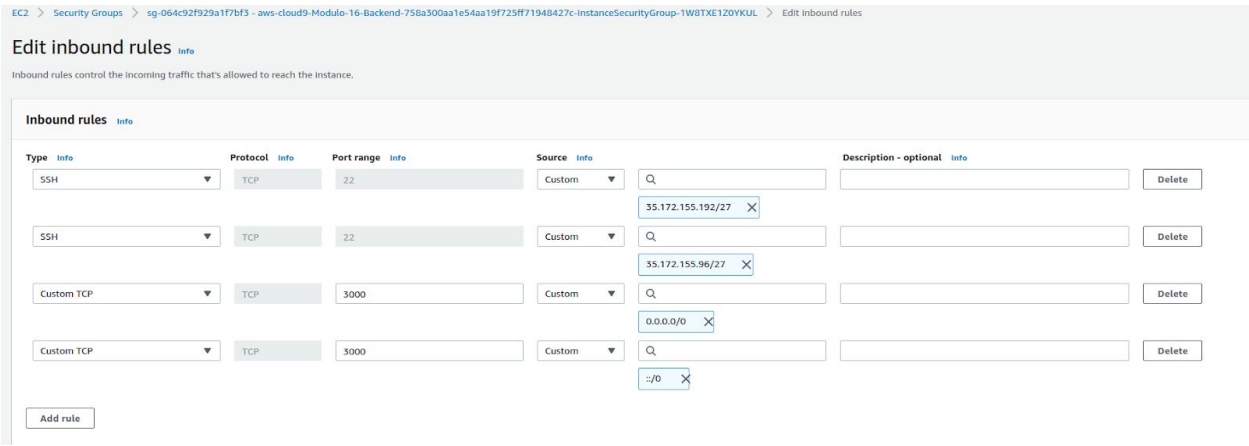
Ir a AWS Cloud9 > Environments > Seleccionar el ambiente Cloud9 creado previamente



Editar inbound rules



Agregar 2 nuevas reglas, Custom TCP, Port range 3000, 0.0.0.0/0 y ::/0



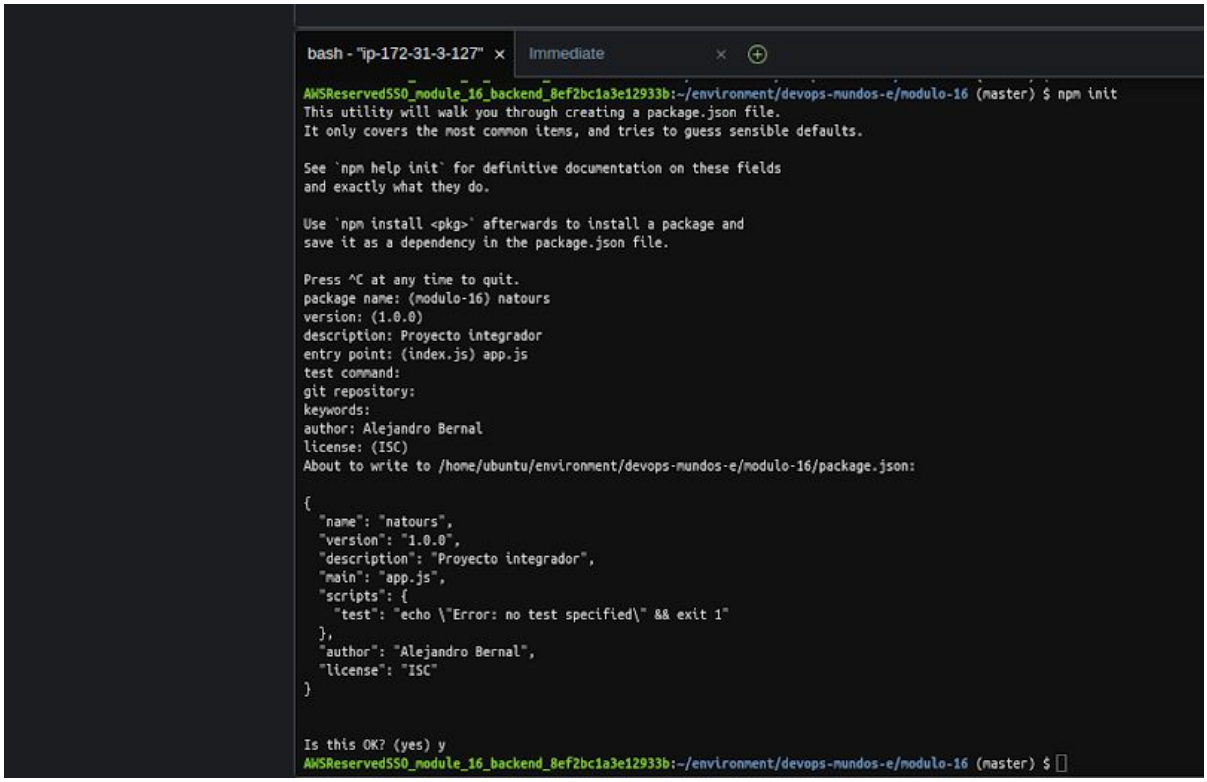
Guardar las nuevas reglas

5. Instalar proyecto Node

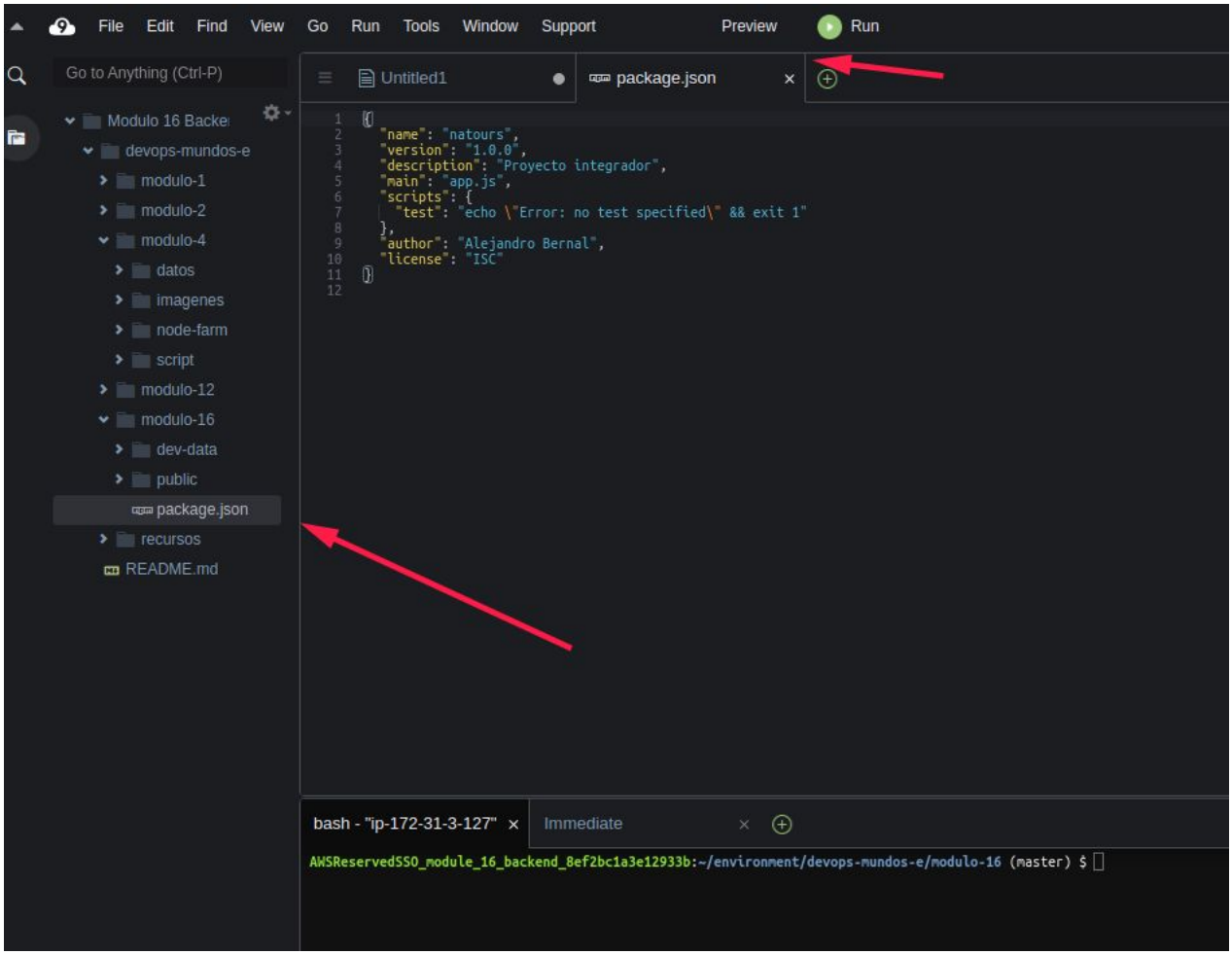
Ejecutar >

cd devops-mundos-e
cd modulo-16
npm init

- package name: (encuentro-16-practica) **natours**
- version: (1.0.0)
- description: **Proyecto integrador**
- entry point: (index.js) **app.js**
- test command:
- git repository:
- keywords:
- author: **Alejandro Bernal**
- license: (ISC)



Check package.json file



Instalar Express

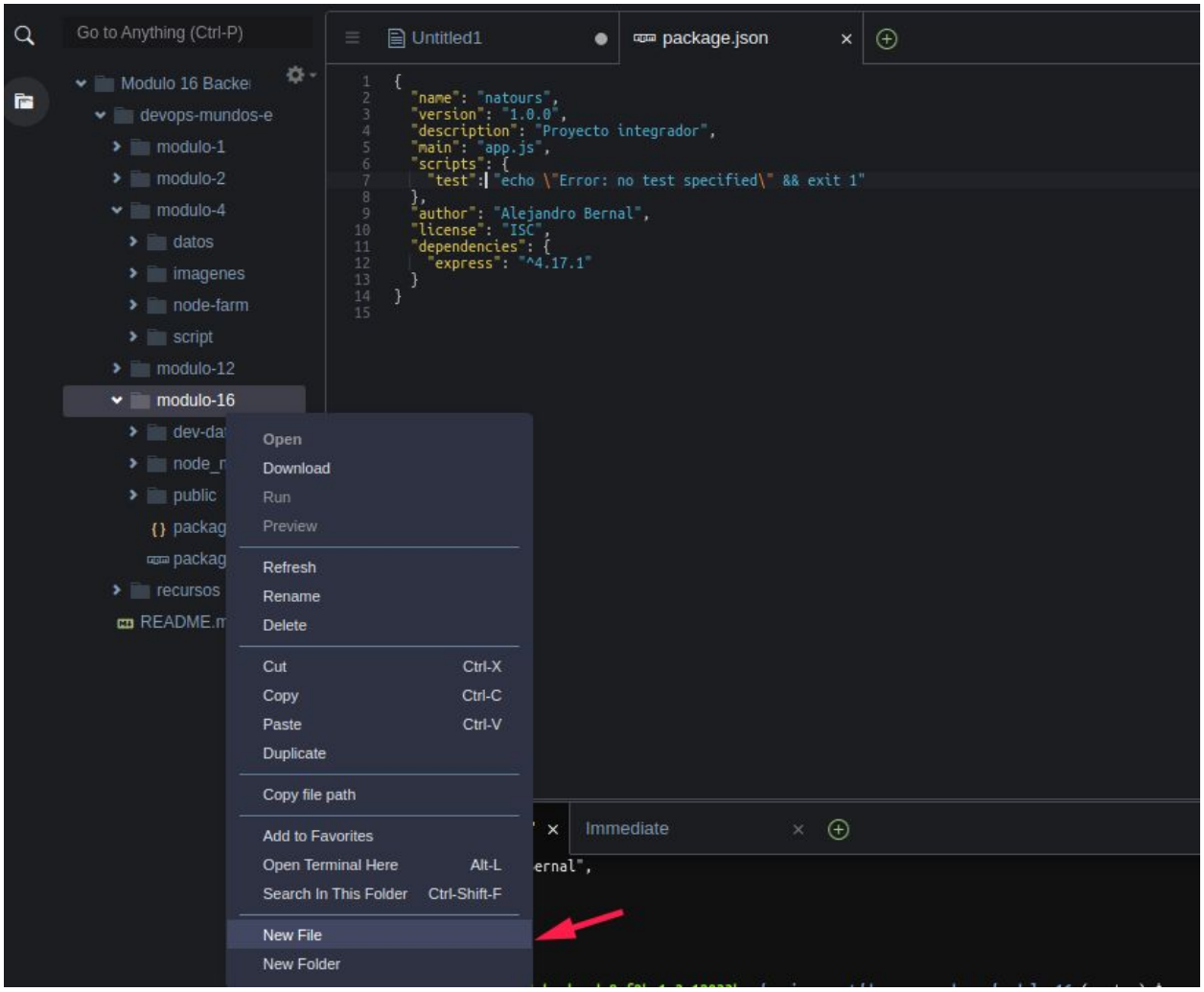
Ejecutar >
npm i express@4

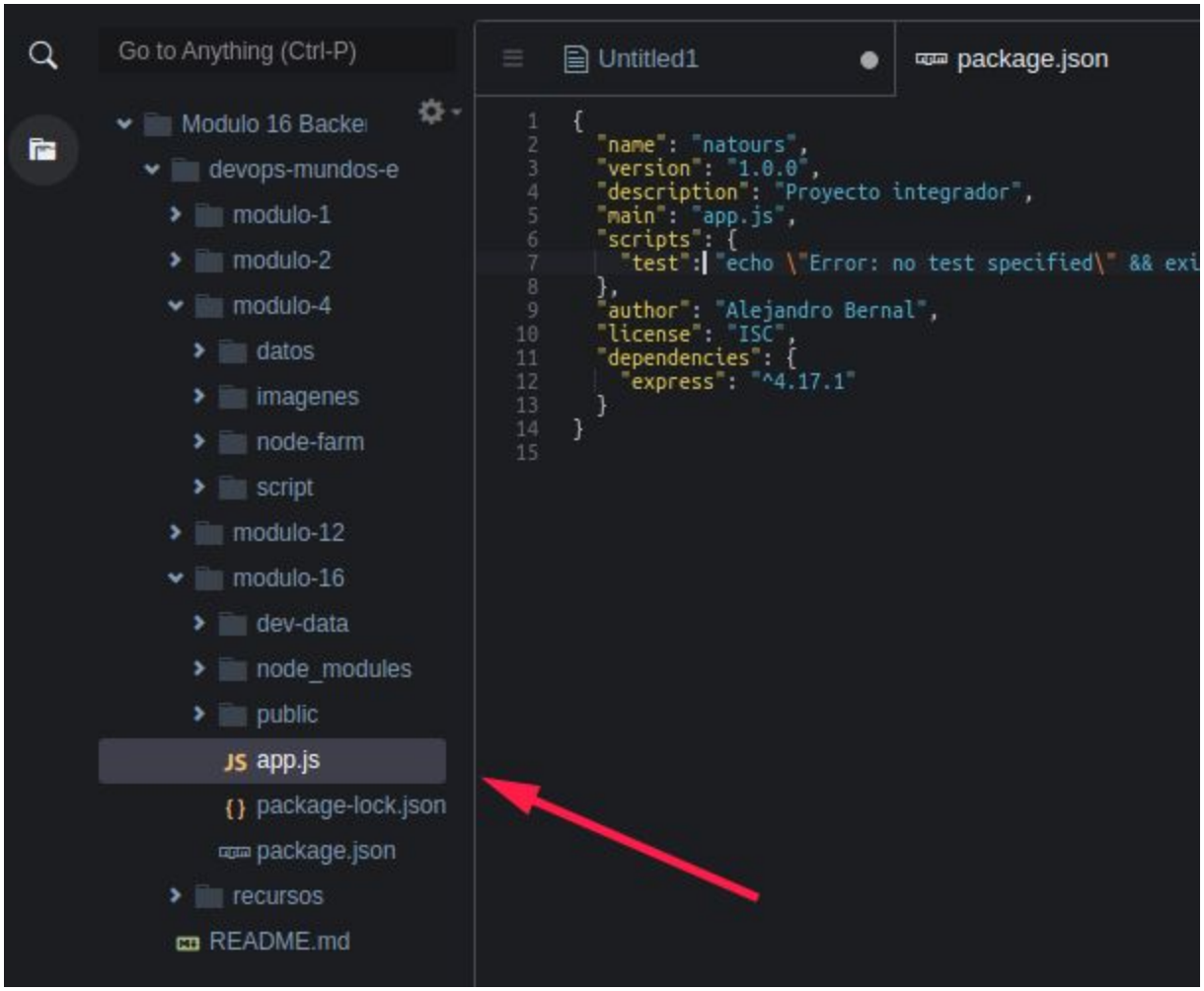
Instalar Nodemon

Ejecutar >
npm i -g nodemon

6. Crear Archivo app.js

Crear archivo app.js en la carpeta module-16




Go to Anything (Ctrl-P)
Modulo 16 Backe
devops-mundos-e
modulo-1
modulo-2
modulo-4
datos
imagenes
node-farm
script
modulo-12
modulo-16
dev-data
node_modules
public
app.js
package-lock.json
package.json
recursos
README.md
Untitled1
package.json
{
"name": "natours",
"version": "1.0.0",
"description": "Proyecto integrador",
"main": "app.js",
"scripts": {
"test": "echo \"Error: no test specified\" && exi
},
"author": "Alejandro Bernal",
"license": "ISC",
"dependencies": {
"express": "^4.17.1"
}
}

Codear en el archivo app.js

```
const express = require('express');
const app = express();
const port = 3000;

app.get('/', (req, res) => {
  res
  .status('200')
  .json({message: 'Hola desde el servidor', app: 'Proyecto troncal' });
});

app.post('/users', (req, res) => {
  res
  .status('200')
  .json({message: 'Creaste un nuevo usuario', app: 'Proyecto troncal' });
});


app.listen(port, () => {
  console.log(`App running on port ${port}...`)
});
```

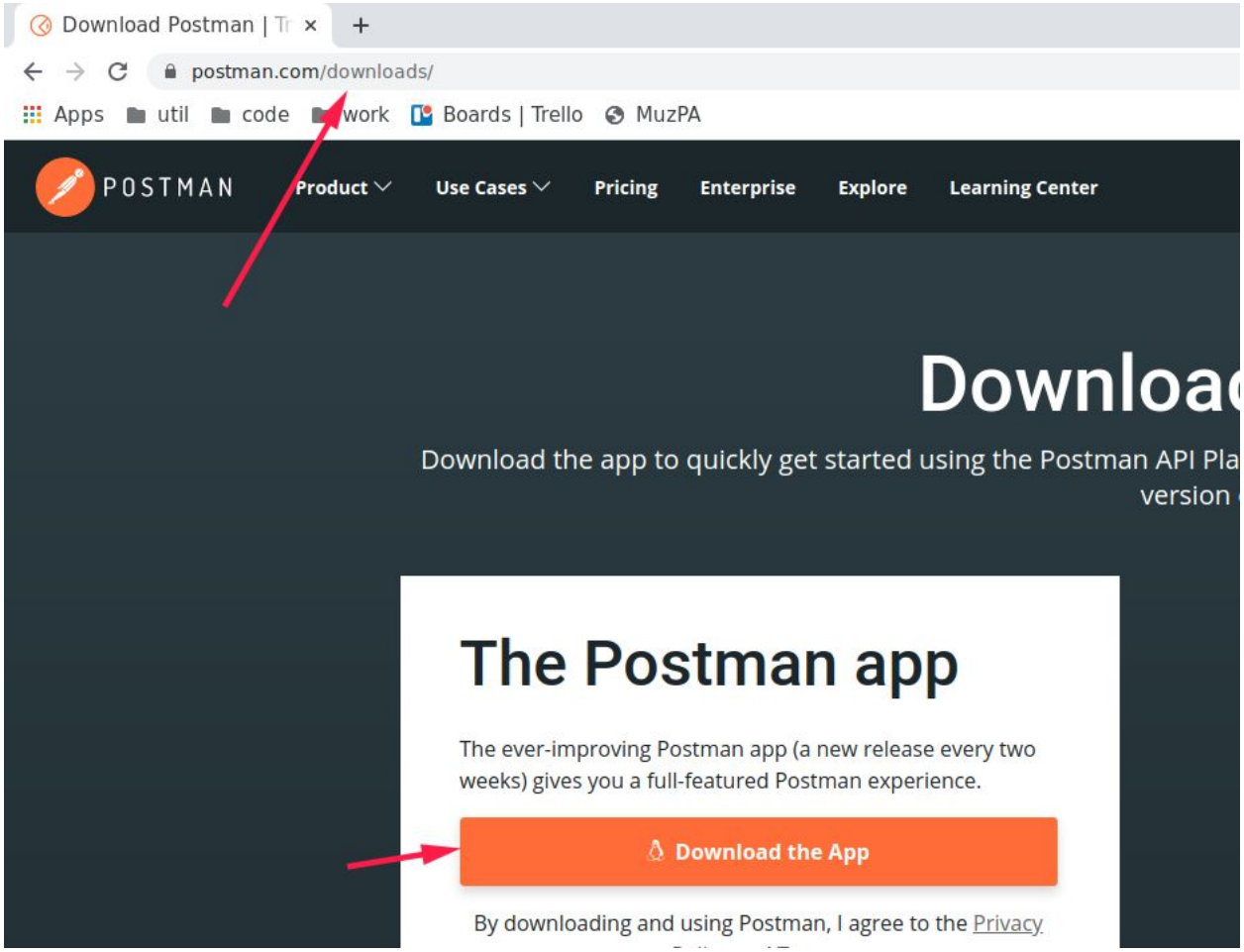
7. Probar la Aplicación

Correr la aplicación

Ejecutar >

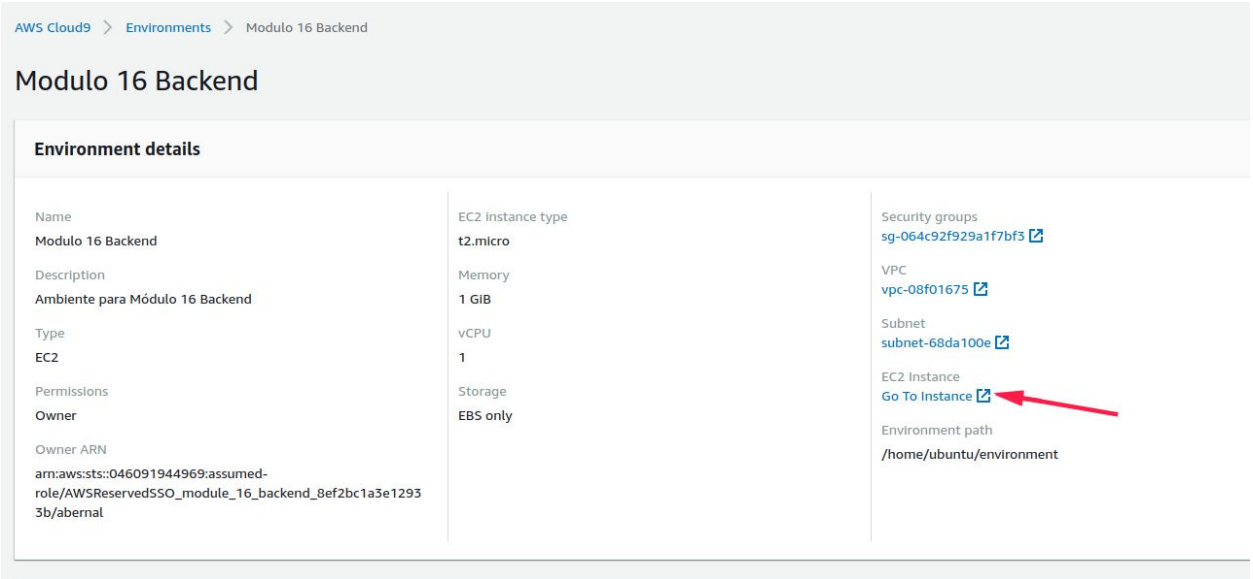
nodemon app.js

Descargar postman



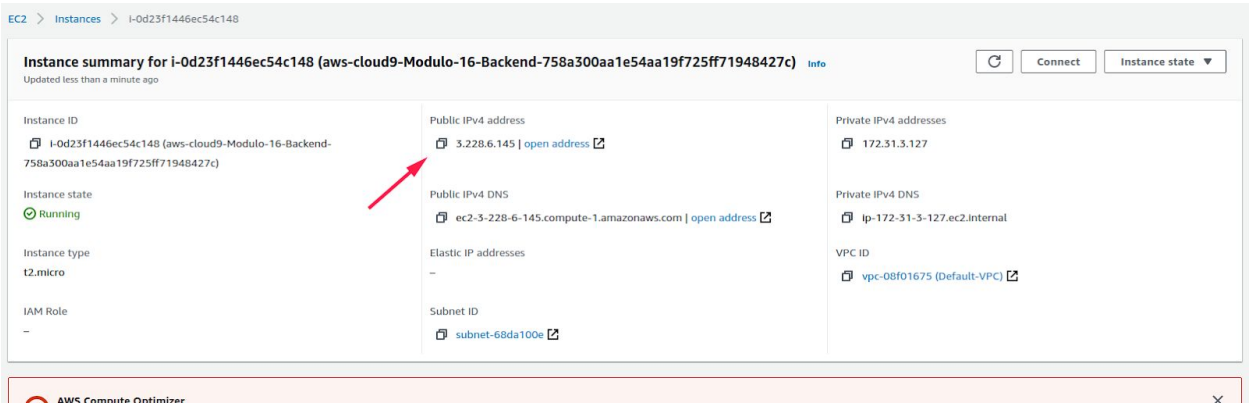
Obtener la url de la instancia EC2

Ir a la instancia de EC2



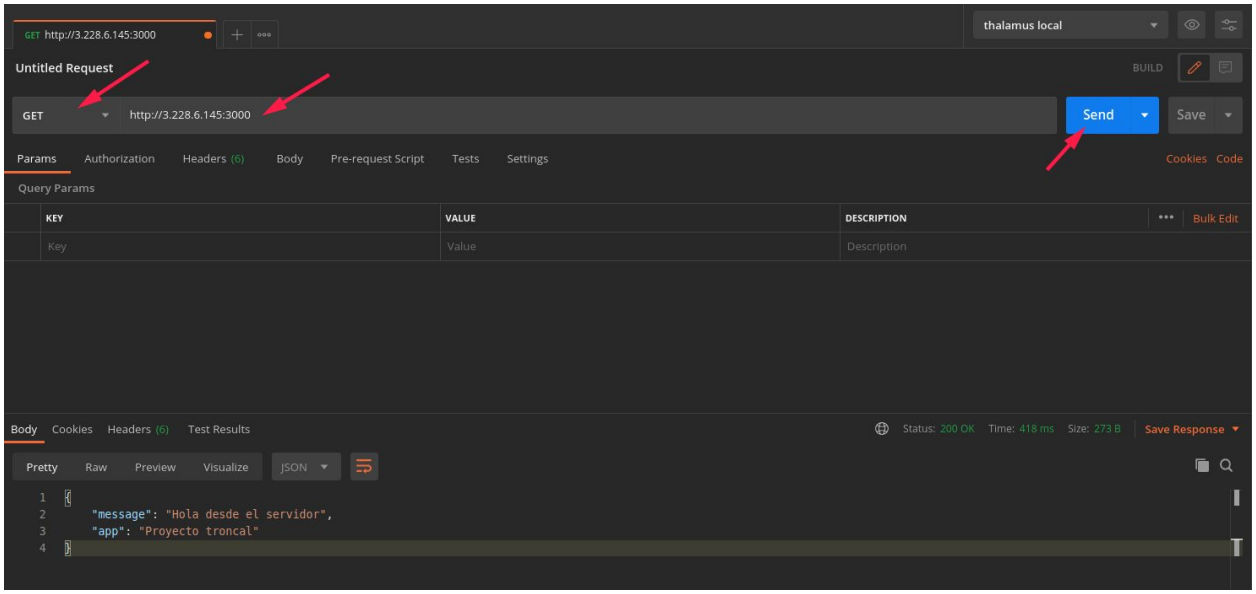
Obtener la URL pública de la instancia

Copiar la url



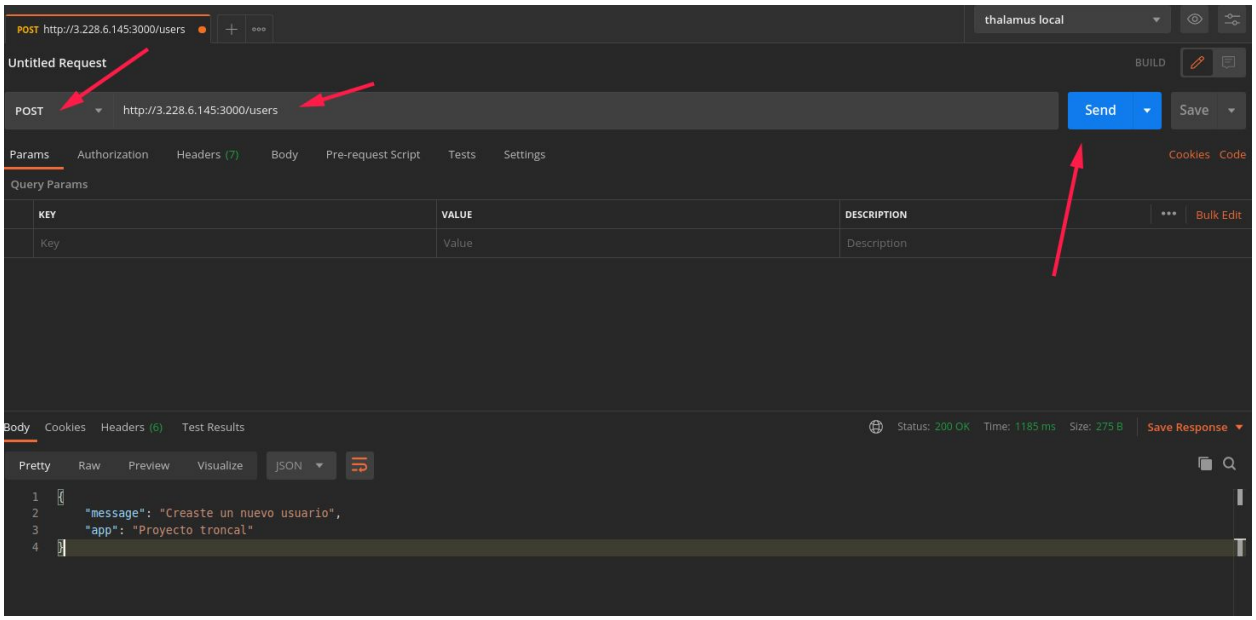
→ Seleccionar New Request en postman

Pegar la url en postman seguida de el puerto 3000



Presionar Send

Hacer el mismo proceso para Users



8. Borrar Ambiente Cloud9