

Karthick J (DO14)

## Project 1 : Application Deployment

Git Repo URL : <https://github.com/Karthick9911/App-Deploy.git>

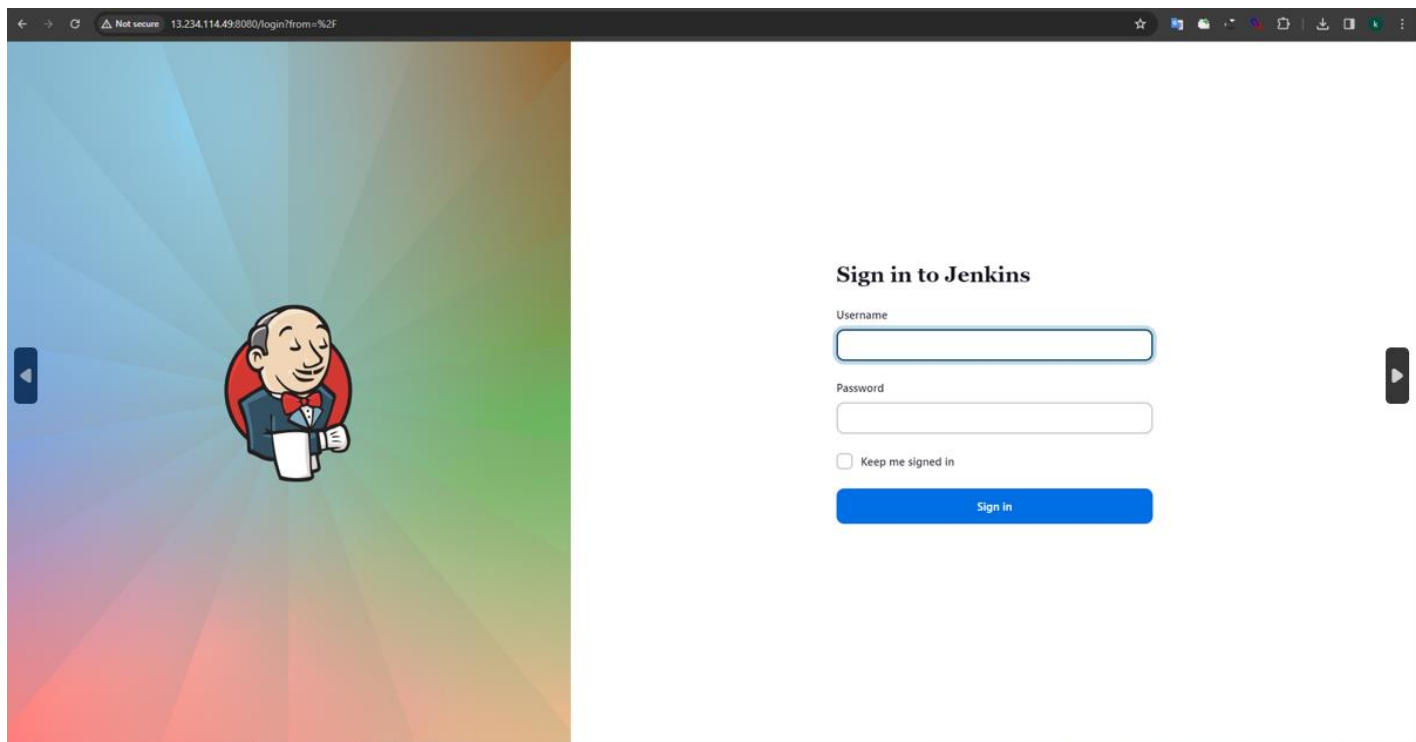
Deployed Site URL: [http:// 43.204.35.214/](http://43.204.35.214/)

Docker Image name : my-app

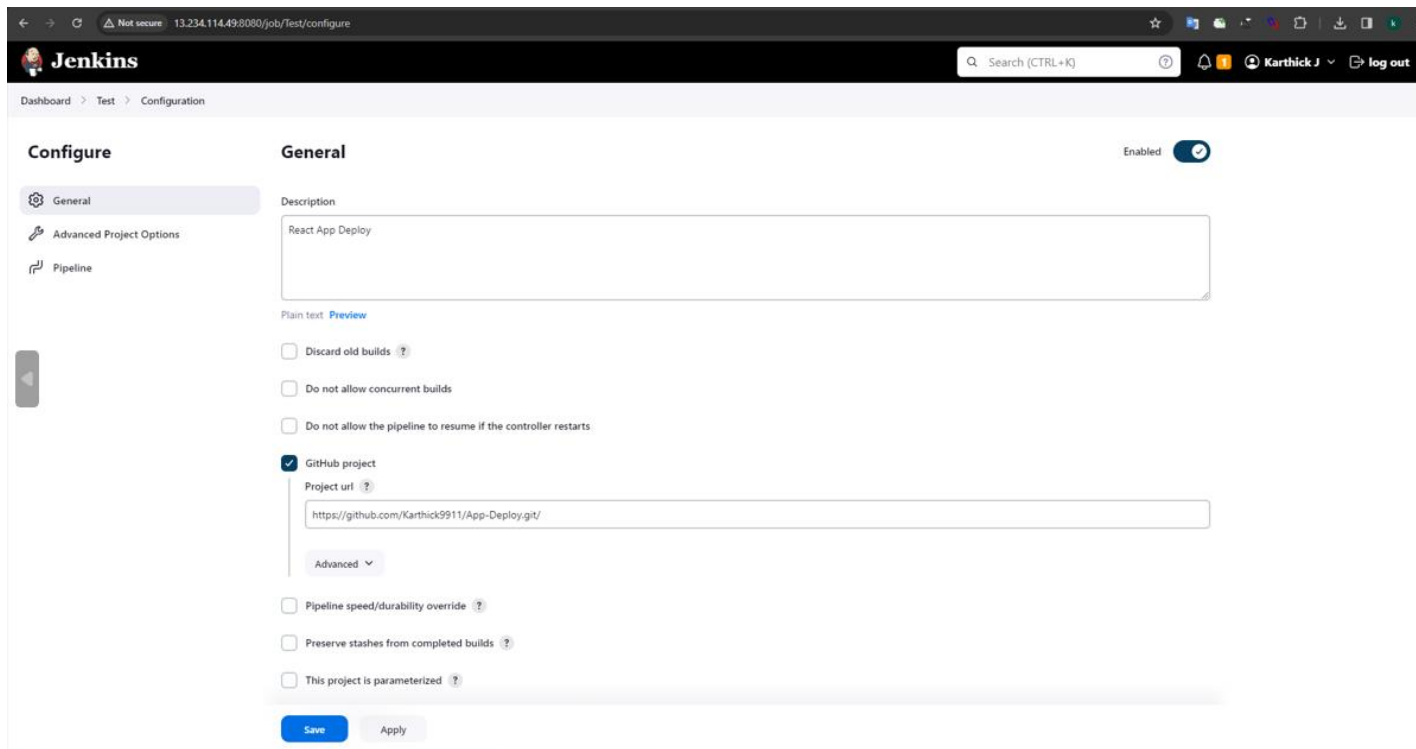
```
root@ip-172-31-47-136:/home/ubuntu# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS                               NAMES
f7638689f22a   my-app    "/docker-entrypoint..." 3 seconds ago    Up 3 seconds    0.0.0.0:80->80/tcp, :::80->80/tcp    adoring_lamarr
```

Jenkins:

### 1. Login Page.



## 2. Configuration settings.




The screenshot shows the Jenkins configuration page for a job named 'Test'. The 'General' tab is selected in the left sidebar. The main content area is titled 'General' and includes a toggle switch for 'Enabled' which is turned on. Below this, there is a 'Description' field containing the text 'React App Deploy'. A 'Plain text' preview link is visible. There are several checkboxes: 'Discard old builds', 'Do not allow concurrent builds', and 'Do not allow the pipeline to resume if the controller restarts', all of which are unchecked. The 'GitHub project' checkbox is checked. Below it, the 'Project url' field contains the value 'https://github.com/Karthick9911/App-Deploy.git/'. There is an 'Advanced' dropdown menu. Further down, there are three more unchecked checkboxes: 'Pipeline speed/durability override', 'Preserve stashes from completed builds', and 'This project is parameterized'. At the bottom, there are 'Save' and 'Apply' buttons.

Dashboard > Test > Configuration

### Configure

- General
- Advanced Project Options
- Pipeline

### General

Enabled 

Description

React App Deploy

Plain text [Preview](#)

☐ Discard old builds [?](#)


☐ Do not allow concurrent builds

☐ Do not allow the pipeline to resume if the controller restarts

☒ GitHub project

Project url [?](#)

[https://github.com/Karthick9911/App-Deploy.git/](#)

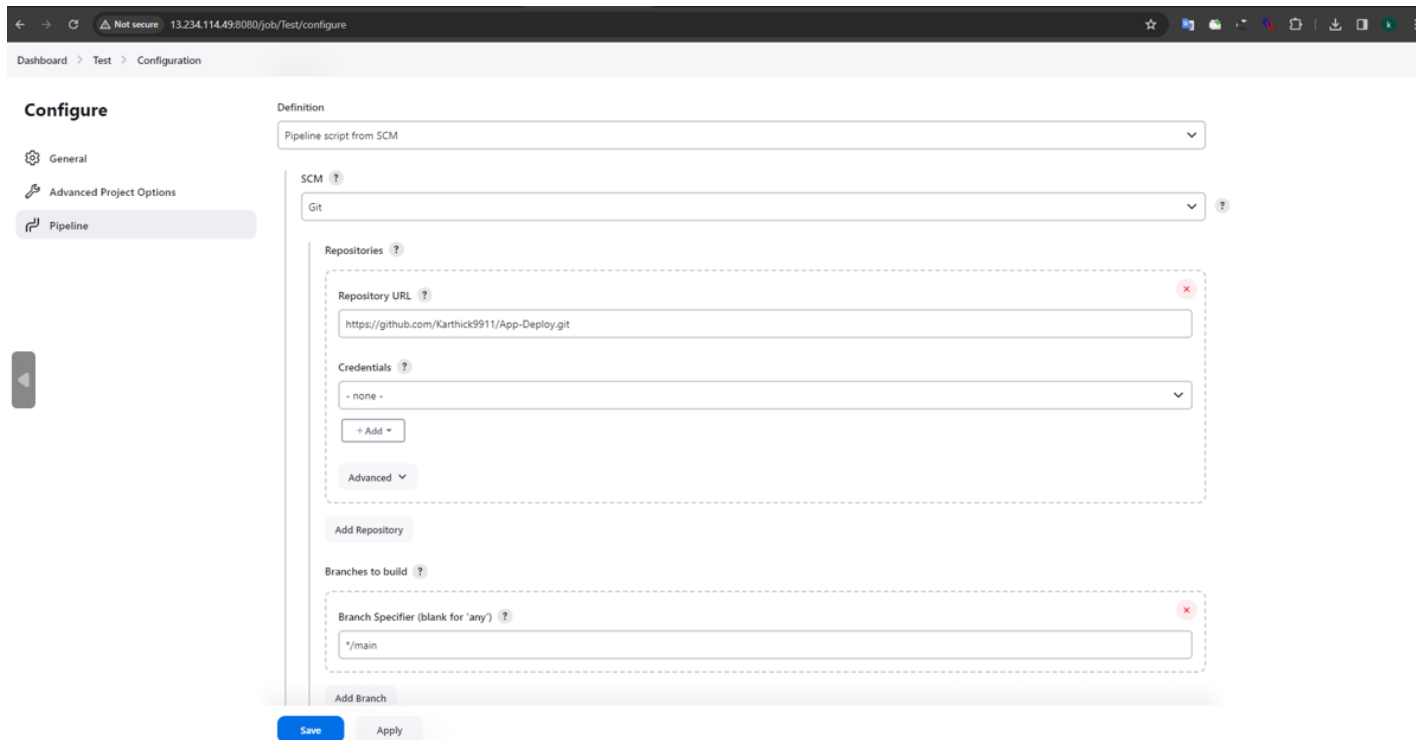
Advanced 

☐ Pipeline speed/durability override [?](#)

☐ Preserve stashes from completed builds [?](#)

☐ This project is parameterized [?](#)

[Save](#) [Apply](#)



The screenshot shows the Jenkins configuration page for the same job, but with the 'Pipeline' tab selected. The 'Definition' dropdown is set to 'Pipeline script from SCM'. The 'SCM' dropdown is set to 'Git'. Below this, there is a 'Repositories' section with a 'Repository URL' field containing 'https://github.com/Karthick9911/App-Deploy.git'. The 'Credentials' dropdown is set to 'none', and there is an 'Add' button. There is an 'Advanced' dropdown menu. Below the repository section, there is an 'Add Repository' button. The 'Branches to build' section has a 'Branch Specifier (blank for 'any')' field containing '\*/main'. There is an 'Add Branch' button. At the bottom, there are 'Save' and 'Apply' buttons.

Dashboard > Test > Configuration

### Configure

- General
- Advanced Project Options
- Pipeline

### Pipeline

Definition

Pipeline script from SCM

SCM [?](#)


Git [?](#)

Repositories [?](#)


Repository URL [?](#)

[https://github.com/Karthick9911/App-Deploy.git](#)

Credentials [?](#)

- none - 

[+ Add](#)

Advanced 

[Add Repository](#)

Branches to build [?](#)

Branch Specifier (blank for 'any') [?](#)

[\\*/main](#)

[Add Branch](#)

[Save](#) [Apply](#)

← → ↻ Not secure 13.234.114.49:8080/job/test/configure

Dashboard > Test > Configuration

### Configure

- General
- Advanced Project Options
- Pipeline

+ Add +

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/dev

Add Branch

Repository browser ?

(Auto) ▾

Additional Behaviours

Add ▾

Script Path ?

Jenkinsfile

☒ Lightweight checkout ?

[Pipeline Syntax](#)

Save Apply

### 3. Executable step Commands.

← → ↻ Not secure 13.234.114.49:8080/manage/credentials/

**Jenkins** 🔍 Search (CTRL+K) 🔔 🧑 Karthick J 🚪 log out

Dashboard > Manage Jenkins > Credentials

### Credentials

T	P	Store	Domain	ID	Name
📄	🔒	System	(global)	Git-AD	Karthick9911/***** (GIT)
📄	🔒	System	(global)	Dockerhub-pwd	karthick9911/*****

### Stores scoped to Jenkins

P	Store	Domains
🔒	System	(global)

Icon: S M L

```
← → ↺ Not secure 13.234.114.49:8080/job/test/17/console ☆ 📄 🗑️ 🔄 📌 🔍
```

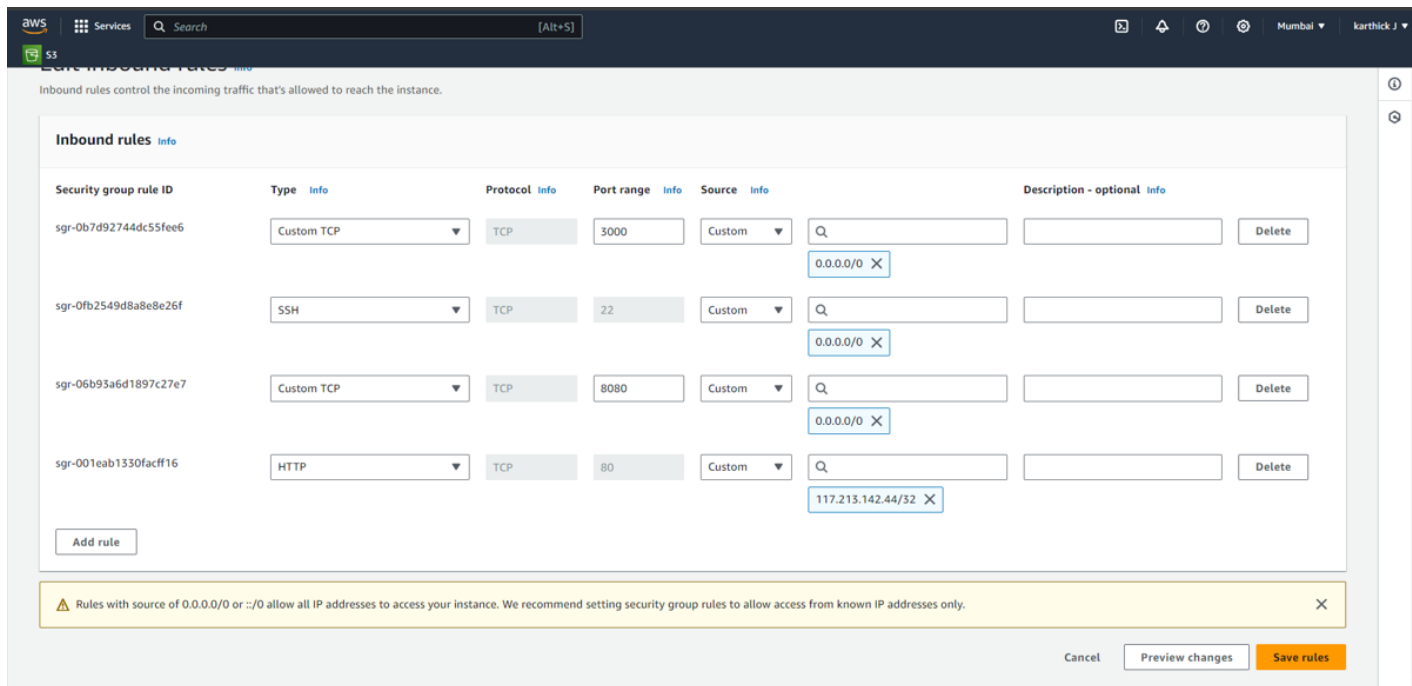
---

```
Dashboard > Test > #17
```

```
WARNING! Using --password via the CLI is insecure. Use --password-store.
WARNING! Your password will be stored unencrypted in /var/lib/jenkins/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[Pipeline] sh
+ docker push karthick9911/prod
Using default tag: latest
The push refers to repository [docker.io/karthick9911/prod]
8066ea2486a: Preparing
b074db385e1: Preparing
e5b0c8532c4: Preparing
f6ba8a3ac: Preparing
01aa195cdad: Preparing
2a13e6a7cc6: Preparing
37080e9bae9: Preparing
7292cf786aa8: Preparing
2a13e6a7cc6: Waiting
37080e9bae9: Waiting
7292cf786aa8: Waiting
e5b0c8532c4: Mounted from karthick9911/dev
f6ba8a3ac: Mounted from karthick9911/dev
01aa195cdad: Mounted from karthick9911/dev
8066ea2486a: Mounted from karthick9911/dev
b074db385e1: Mounted from karthick9911/dev
2a13e6a7cc6: Mounted from karthick9911/dev
37080e9bae9: Mounted from karthick9911/dev
7292cf786aa8: Mounted from karthick9911/dev
latest: digest: sha256:c6b2236c992901dabc2f61d599898b2d8ad1f835008b2f0be576f4c85b07b size: 1908
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

## 2. SG Configs.



The screenshot shows the AWS IAM console's 'Inbound rules' page for a security group. The page lists four rules with their respective IDs, types, protocols, port ranges, sources, and descriptions. A warning message at the bottom states: 'Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.'

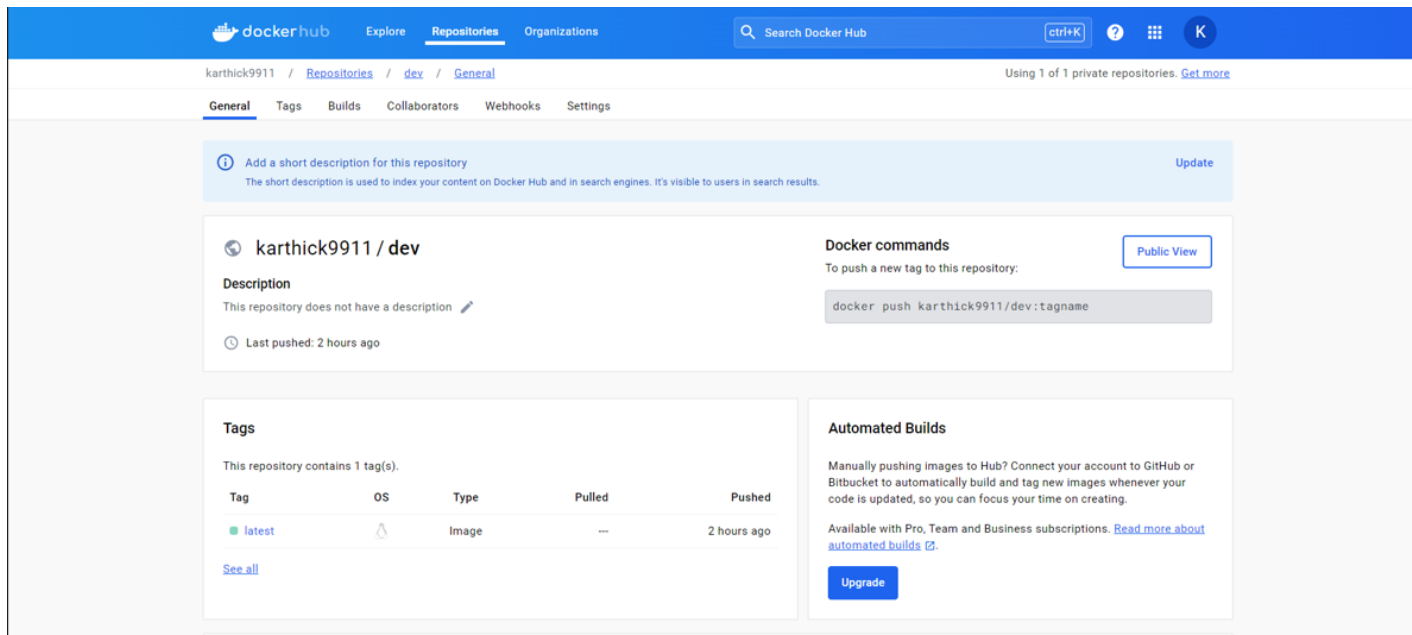
Security group rule ID	Type	Protocol	Port range	Source	Description - optional	Actions
sgr-0b7d92744dc55fee6	Custom TCP	TCP	3000	Custom	0.0.0.0/0	Delete
sgr-0fb2549d8a8e8e26f	SSH	TCP	22	Custom	0.0.0.0/0	Delete
sgr-06b93a6d1897c27e7	Custom TCP	TCP	8080	Custom	0.0.0.0/0	Delete
sgr-001eab1330facff16	HTTP	TCP	80	Custom	117.213.142.44/32	Delete

[Add rule](#)

[Cancel](#) [Preview changes](#) [Save rules](#)

## Docker Hub:

### 1. dev repo.



The screenshot shows the Docker Hub repository page for 'karthick9911 / dev'. The page includes a description, Docker commands, tags, and automated builds. The repository is currently private, and the user is prompted to add a short description.

**karthick9911 / dev**

**Description**  
This repository does not have a description [✎](#)

**Docker commands**  
To push a new tag to this repository:  
`docker push karthick9911/dev:tagname`

**Tags**  
This repository contains 1 tag(s).  

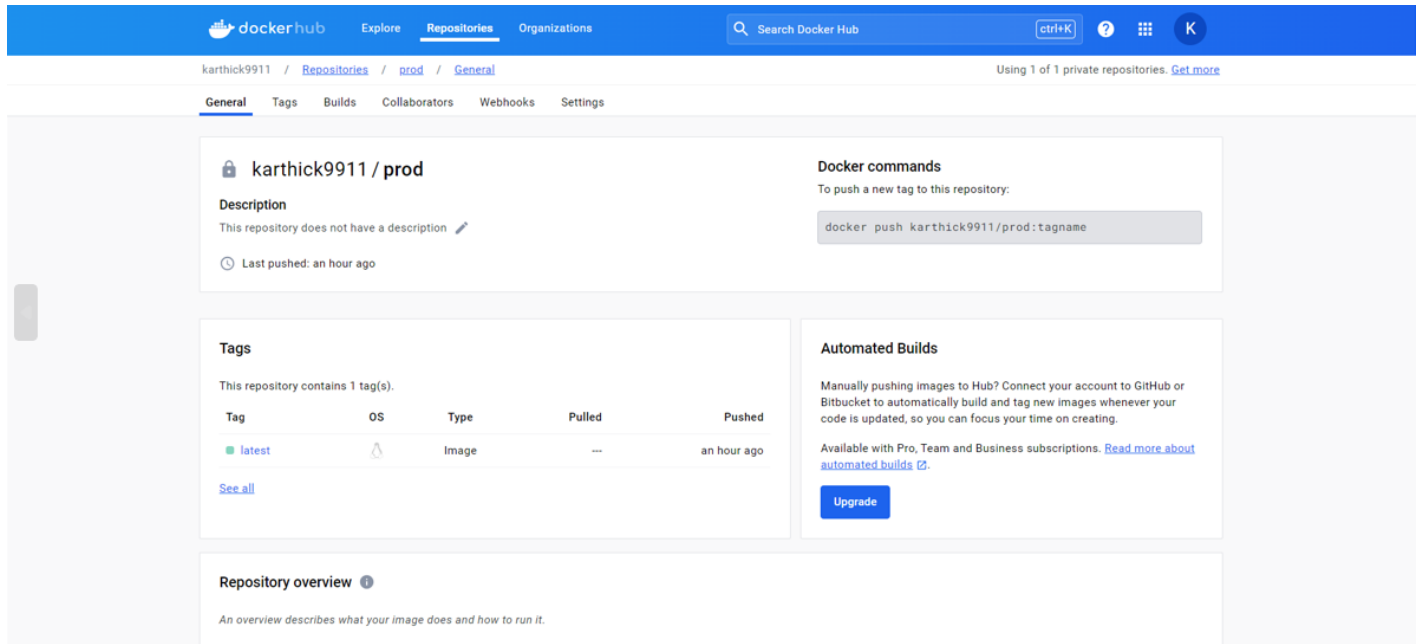
Tag	OS	Type	Pulled	Pushed
latest	linux	Image	---	2 hours ago

[See all](#)

**Automated Builds**  
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.  
Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

[Public View](#) [Upgrade](#)

## 2. prod repo



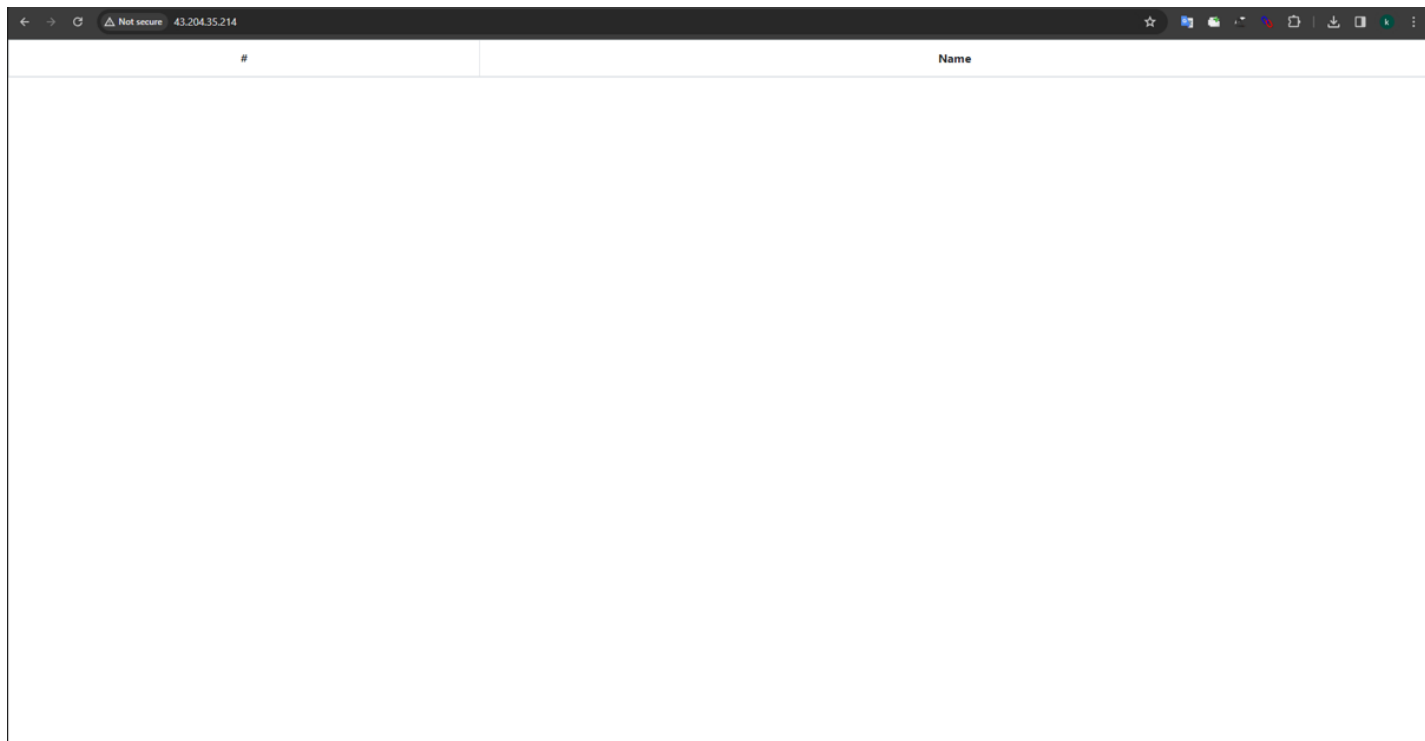
The screenshot shows the Docker Hub interface for the repository `karthick9911/prod`. The page is divided into several sections:

- Header:** Docker Hub logo, navigation links (Explore, Repositories, Organizations), a search bar, and a user profile icon labeled 'K'.
- Breadcrumbs:** `karthick9911 / Repositories / prod / General`.
- Tabs:** General (selected), Tags, Builds, Collaborators, Webhooks, Settings.
- Repository Info:**
  - Name:** `karthick9911/prod`
  - Description:** This repository does not have a description.
  - Last pushed:** an hour ago
- Docker commands:** To push a new tag to this repository:  
`docker push karthick9911/prod:tagname`
- Tags:** This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest	linux	Image	---	an hour ago

[See all](#)
- Automated Builds:** Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating. Available with Pro, Team and Business subscriptions. [Read more about automated builds](#). [Upgrade](#)
- Repository overview:** An overview describes what your image does and how to run it.

## Deployed site page :



## Monitoring Health check status:

