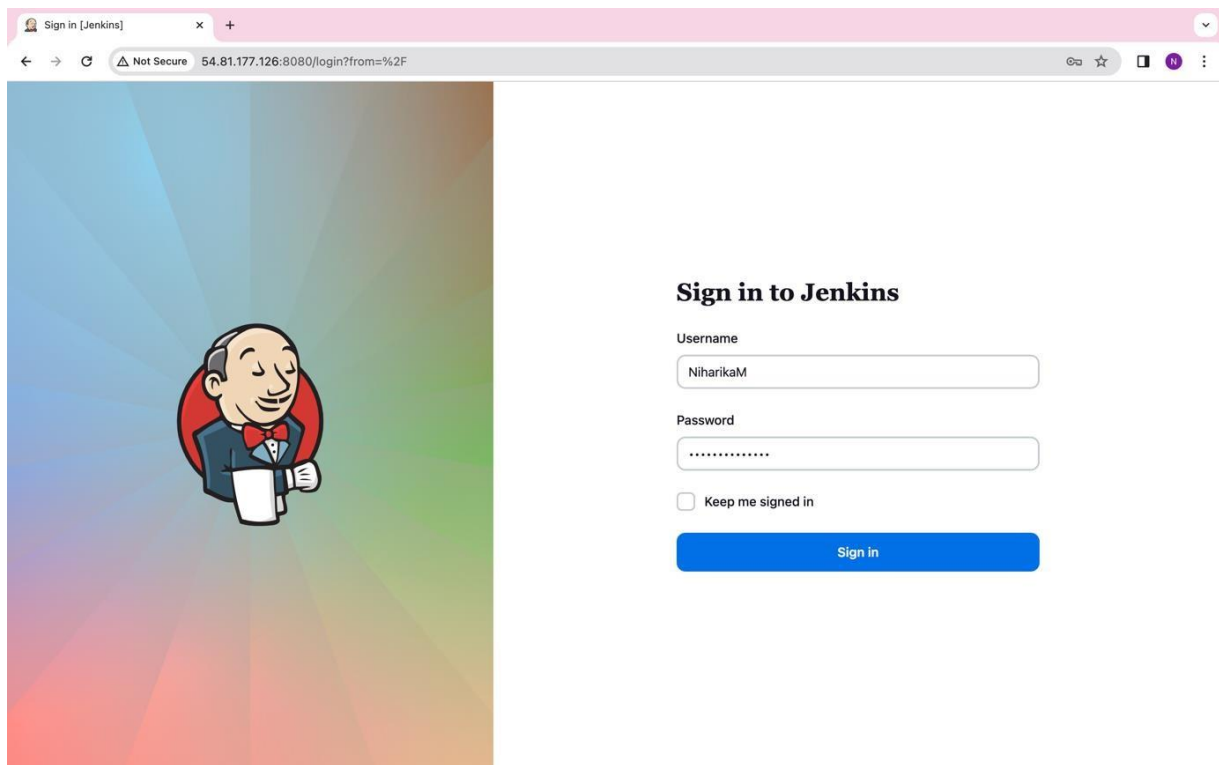
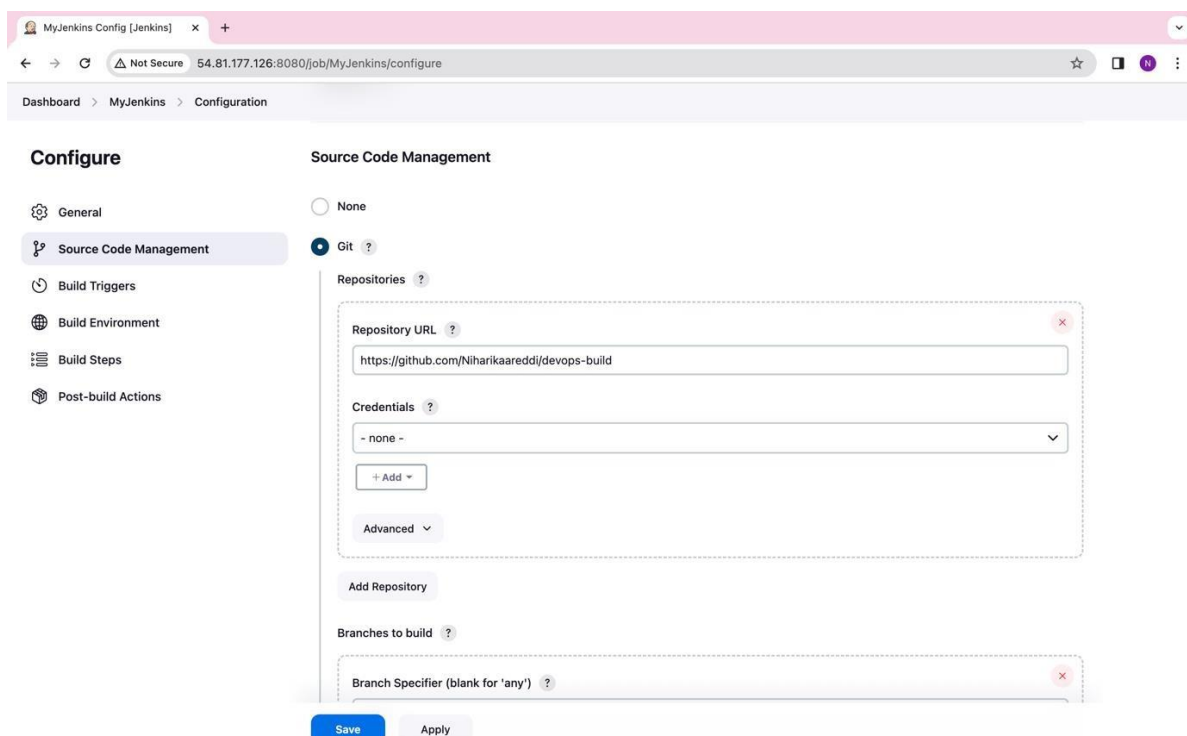


1. Please find the Jenkins login page, Configuration Settings, and Execute step commands:



The screenshot shows the Jenkins login page in a web browser. The browser's address bar displays the URL `54.81.177.126:8080/login?from=%2F`. The page features a large, colorful background image of the Jenkins mascot, a cartoon man in a suit and bow tie, holding a document. To the right of the mascot, the heading "Sign in to Jenkins" is displayed. Below the heading, there are two input fields: "Username" with the text "NiharikaM" and "Password" with masked characters. A checkbox labeled "Keep me signed in" is present below the password field. A blue "Sign in" button is located at the bottom right of the form.



The screenshot shows the Jenkins Configuration page for a job named "MyJenkins". The browser's address bar displays the URL `54.81.177.126:8080/job/MyJenkins/configure`. The page has a breadcrumb trail: "Dashboard > MyJenkins > Configuration". On the left, a sidebar titled "Configure" lists various settings: "General", "Source Code Management" (which is selected), "Build Triggers", "Build Environment", "Build Steps", and "Post-build Actions". The main content area is titled "Source Code Management" and shows the "Git" option selected. Under "Repositories", a "Repository URL" field contains the text `https://github.com/Niharikaareddi/devops-build`. Below this, a "Credentials" dropdown menu is set to "- none -". There is an "Add" button and an "Advanced" dropdown. Below the repository section, there is an "Add Repository" button. Under "Branches to build", a "Branch Specifier (blank for 'any')" field is visible. At the bottom of the configuration area, there are "Save" and "Apply" buttons.

MyJenkins Config [Jenkins]

54.81.177.126:8080/job/MyJenkins/configure

Dashboard > MyJenkins > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/dev

Branch Specifier (blank for 'any') ?

\*/main

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add

Build Triggers

SaveApply

MyJenkins Config [Jenkins]

54.81.177.126:8080/job/MyJenkins/configure

Dashboard > MyJenkins > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Additional Behaviours

Add

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☐ Build after other projects are built ?

☐ Build periodically ?

☒ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

Build Environment

☐ Delete workspace before build starts

☐ Use secret text(s) or file(s) ?

☐ Add timestamps to the Console Output

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Ant ?

SaveApply

MyJenkins Config [Jenkins] x +

← → ↻ ⚠ Not Secure 54.81.177.126:8080/job/MyJenkins/configure ☆ 📄 N ⋮

Dashboard > MyJenkins > Configuration

☐ With Ant ?

## Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

### Build Steps

Execute shell ?

Command

See [the list of available environment variables](#)

```
# Build and push Docker image for dev branch
if [ "$GIT_BRANCH" = "origin/dev" ]; then
  docker build -t niharikareddy/myapplication-dev /var/lib/jenkins/workspace/MyJenkins/build
  echo [REDACTED] | docker login -u [REDACTED] --password-stdin
  docker push niharikareddy/myapplication-dev:latest
# Push Docker image to prod repo if dev branch is merged to master
elif [ "$GIT_BRANCH" = "origin/main" ]; then
  echo [REDACTED] | docker login -u [REDACTED] --password-stdin
  docker pull niharikareddy/myapplication-dev:latest
  docker tag niharikareddy/myapplication-dev:latest niharikareddy/myapplication-prod:latest
  docker push niharikareddy/myapplication-prod:latest
fi
```

Advanced ▾

Save Apply

## Webhook Configuration:

Niharikaareddy / devops-build

Q Type to search | >\_ | + ▾ | 🔍 | 📧 | 📄

< Code Pull requests Actions Projects Wiki Security Insights **Settings**

### Webhooks

Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

✓ <http://54.89.219.1:8080/github-w...> (push) Edit Delete

- General
- Access
  - Collaborators
  - Moderation options ▾
- Code and automation
  - Branches
  - Tags
  - Rules ▾
  - Actions ▾
  - Webhooks**
  - Environments
  - Codespaces
  - Pages
- Security
  - Code security and analysis
  - Deploy keys
  - Secrets and variables ▾
- Integrations
  - GitHub Apps
  - Email notifications

MyJenkins #4 Console [Jenki x +

← → ↻ ⚠ Not Secure 54.89.219.1:8080/job/MyJenkins/4/console ☆ 📄 N N ⋮

**Jenkins** 🔍 Search (⌘+K) ? 🛡️ 1 👤 Niharika Reddy ↗ log out

Dashboard > MyJenkins > #4 > Console Output

- Status
- </> Changes
- Console Output**
- 📄 View as plain text
- ✎ Edit Build Information
- 🗑 Delete build '#4'
- 📅 Polling Log
- 🕒 Timings
- 📊 Git Build Data
- ← Previous Build

## Console Output

```
Started by GitHub push by Niharikaareddi
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/MyJenkins
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/MyJenkins/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Niharikaareddi/devops-build # timeout=10
Fetching upstream changes from https://github.com/Niharikaareddi/devops-build
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/Niharikaareddi/devops-build +refs/heads/*:refs/remotes/origin/* #
timeout=10
Seen branch in repository origin/dev
Seen branch in repository origin/main
Seen 2 remote branches
> git show-ref --tags -d # timeout=10
Checking out Revision 5ce54459cee2bb87a12f138e8841d06ac09780a7 (origin/dev)
> git config core.sparsecheckout # timeout=10
> git checkout -f 5ce54459cee2bb87a12f138e8841d06ac09780a7 # timeout=10
Commit message: "Update build.sh"
> git rev-list --no-walk 690fc3b96ef744bd483175c160ae1bf06a9bdf7 # timeout=10
[MyJenkins] $ /bin/sh -xe /tmp/jenkins11594900718412168076.sh
+ [ origin/dev = origin/dev ]
+ docker build -t niharikareddy/myapplication-dev /var/lib/jenkins/workspace/MyJenkins/build
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
Install the buildx component to build images with BuildKit:
  https://docs.docker.com/build/buildx/
```

MyJenkins #4 Console [Jenki x +

← → ↻ ⚠ Not Secure 54.89.219.1:8080/job/MyJenkins/4/console ☆ 📄 N N ⋮

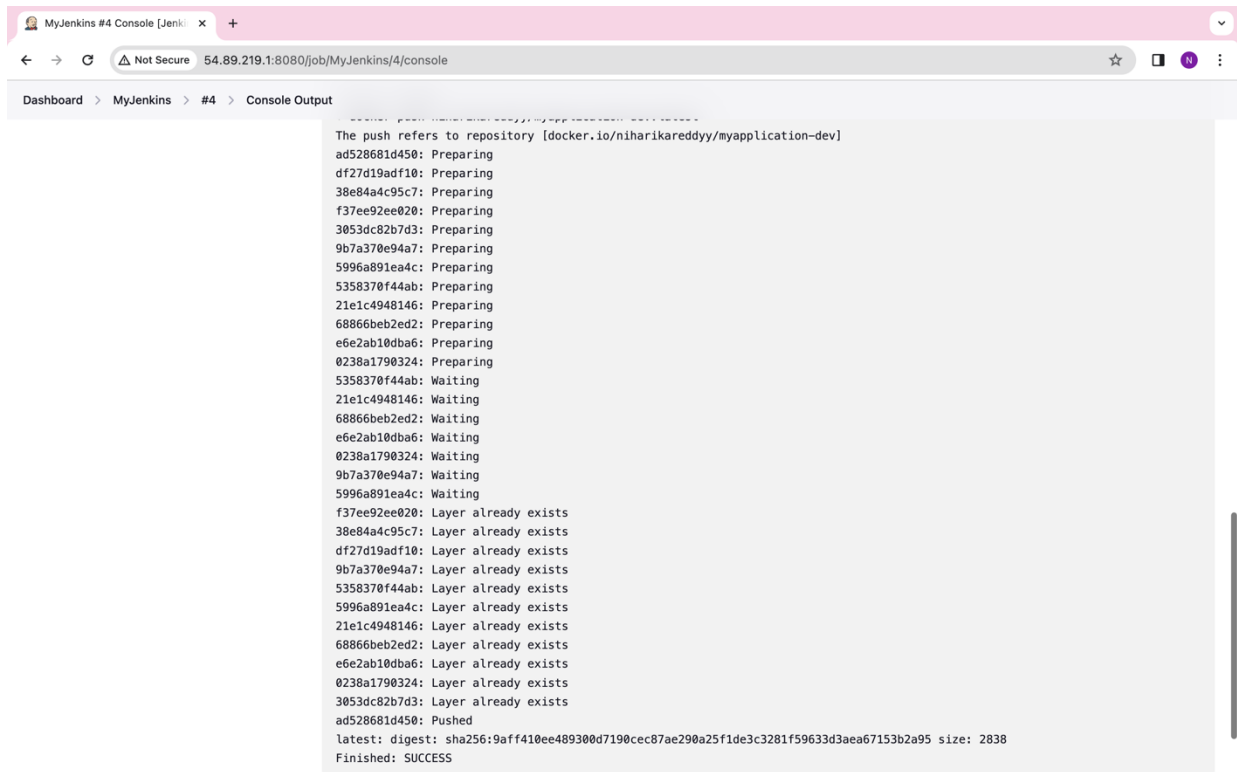
Dashboard > MyJenkins > #4 > Console Output

```
Sending build context to Docker daemon 2.624MB

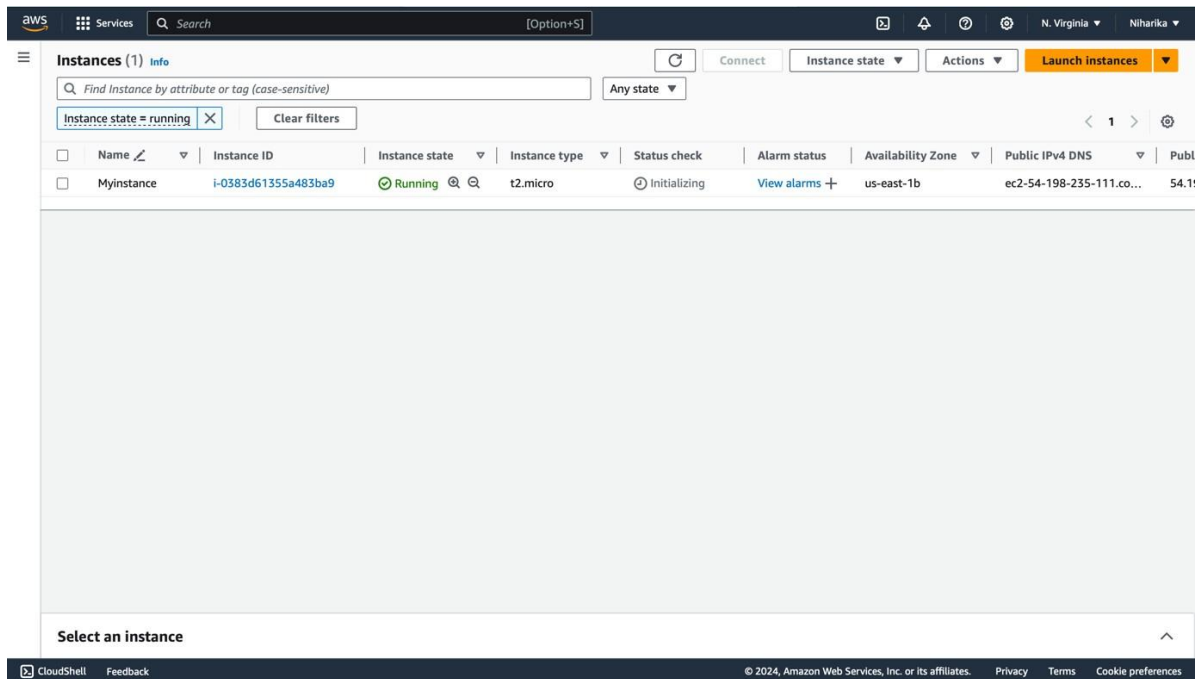
Step 1/7 : FROM node:latest
--> c3978d05bc68
Step 2/7 : WORKDIR /app
--> Using cache
--> 68368fe1fe4c
Step 3/7 : COPY package.json ./
--> Using cache
--> 6982ca98dbcc
Step 4/7 : RUN npm install
--> Using cache
--> 835785a4350f
Step 5/7 : COPY . .
--> 55b864ce09e4
Step 6/7 : EXPOSE 80
--> Running in 9d5c5a25e816
Removing intermediate container 9d5c5a25e816
--> e9b7696d2c14
Step 7/7 : CMD ["node", "index.js"]
--> Running in b24fe00b7eb0
Removing intermediate container b24fe00b7eb0
--> f599a1f4f404
Successfully built f599a1f4f404
Successfully tagged niharikareddy/myapplication-dev:latest
+ echo+ Ammu@D0C1ldocker login -u niharikareddy --password-stdin

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
+ docker push niharikareddy/myapplication-dev:latest
The push refers to repository [docker.io/niharikareddy/myapplication-dev]
```



2. Please find the images of AWS Console and Security Configuration:



aws Services Search [Option+S] N. Virginia Niharika

EC2 > Security Groups > sg-0e4ed0072bb481ca4 - launch-wizard-10 > Edit inbound rules

## Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

**Inbound rules** [Info](#)

| Security group rule ID | Type <a href="#">Info</a> | Protocol <a href="#">Info</a> | Port range <a href="#">Info</a> | Source <a href="#">Info</a>                    | Description - optional <a href="#">Info</a> |        |
|------------------------|---------------------------|-------------------------------|---------------------------------|--|---|--------|
| sg-03fd24f35f6e7e8bc   | SSH                       | TCP                           | 22                              | Cust... <input type="text" value="0.0.0.0/0"/> | <input type="text"/>                        | Delete |
| sg-04e02d49eb5a1cc14   | HTTP                      | TCP                           | 80                              | Cust... <input type="text" value="0.0.0.0/0"/> | <input type="text"/>                        | Delete |

Add rule

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.

Cancel Preview changes Save rules

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

### 3. Dockerhub repositories with image tags:

hub.docker.com

docker hub Explore Repositories Organizations Search Docker Hub 35+K ? N

niharikareddy / Repositories / myapplication-dev / General Using 1 of 1 private repositories. [Get more](#)

General Tags Builds Collaborators Webhooks Settings

**niharikareddy/myapplication-dev** [Info](#)

Updated 1 day ago

This repository does not have a description [Edit](#)

**Docker commands** [Public View](#)

To push a new tag to this repository:

```
docker push niharikareddy/myapplication-dev:tagname
```

**Tags**

This repository contains 2 tag(s).

| Tag     | OS    | Type  | Pulled         | Pushed     |
|---------|-------|-------|----------------|------------|
| latest  | linux | Image | 10 minutes ago | a day ago  |
| tagname | linux | Image | 3 days ago     | 7 days ago |

[See all](#)

**Automated Builds**

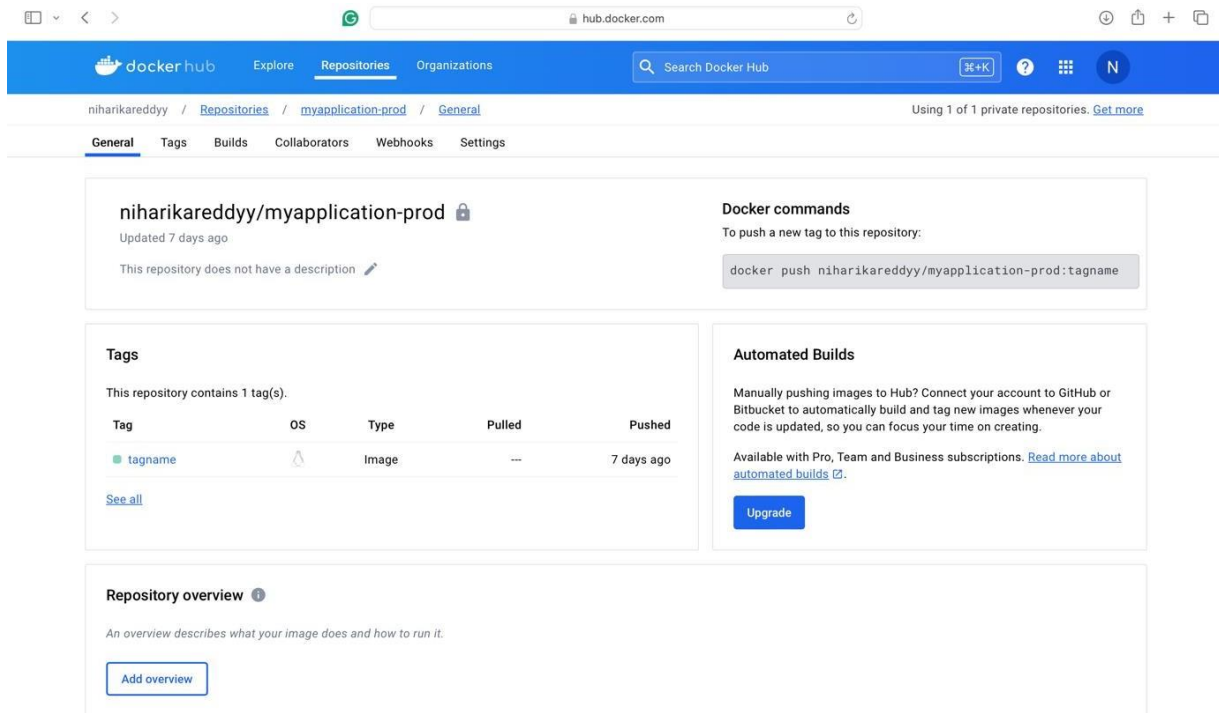
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#).

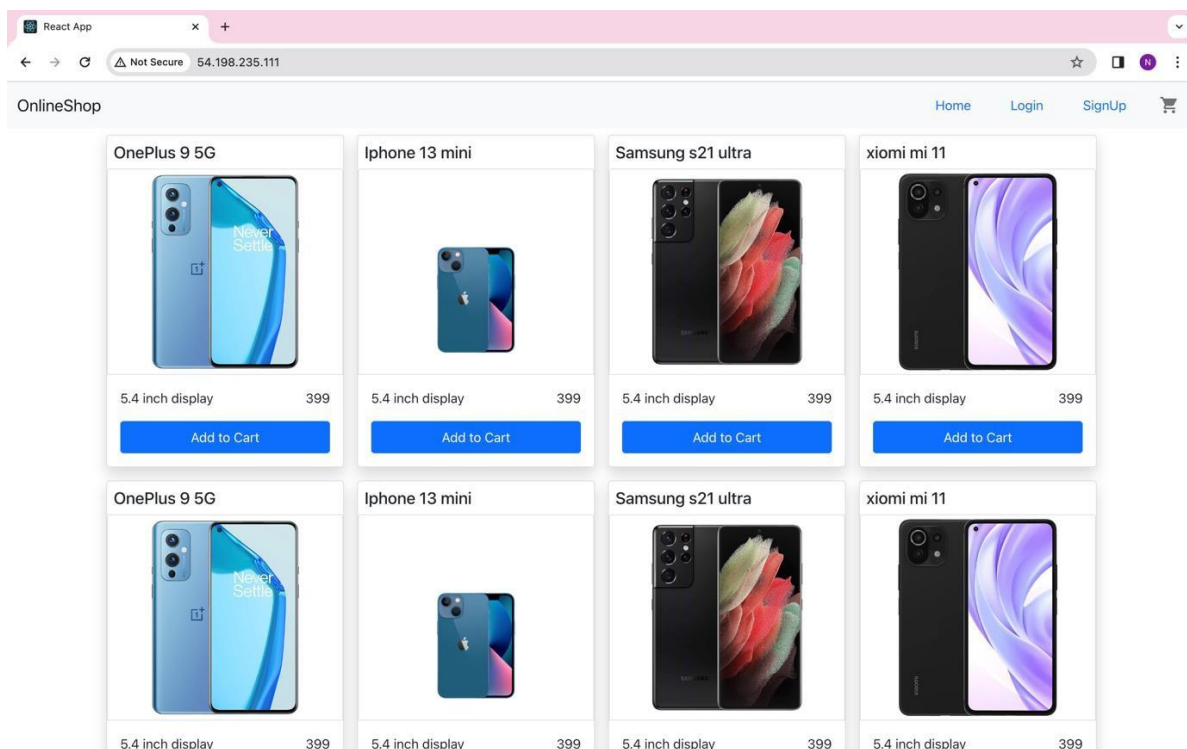
[Upgrade](#)

**Repository overview** [Info](#)

An overview describes what your image does and how to run it. It displays in [the public view of your repository](#).



#### 4. Deployed site page:



## 5. Monitoring health check status:

