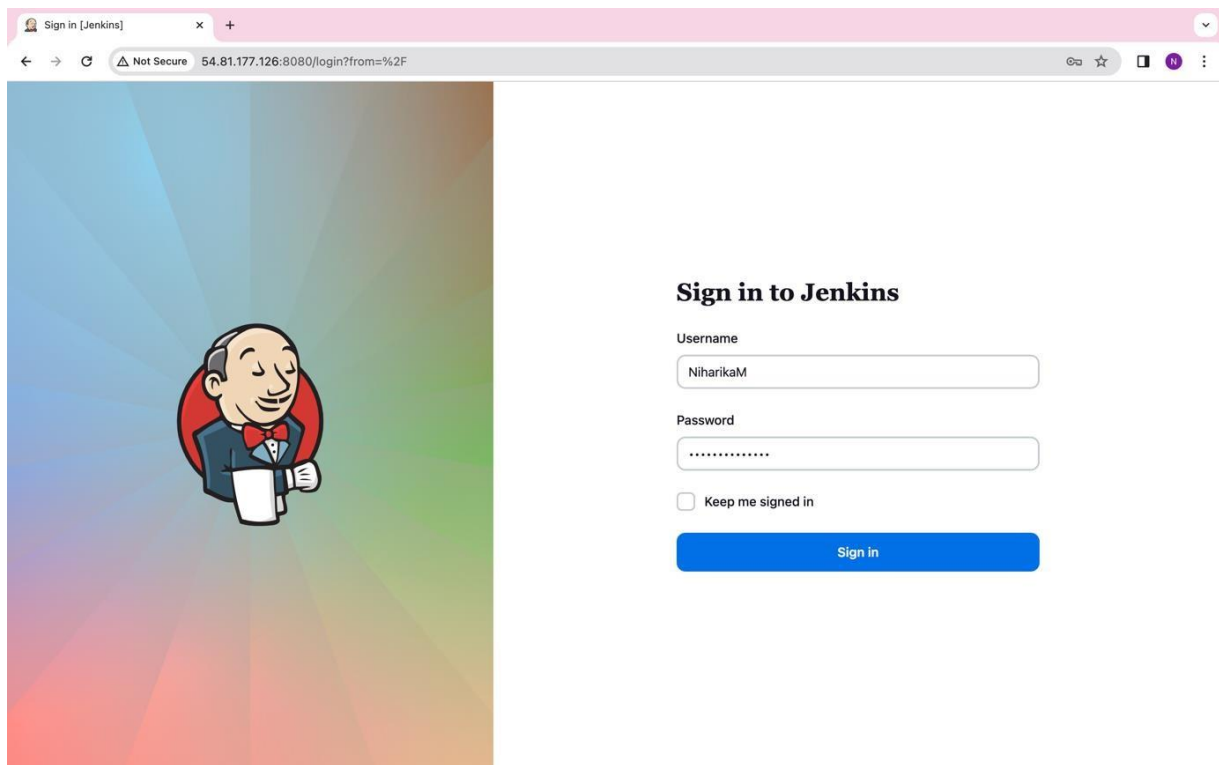
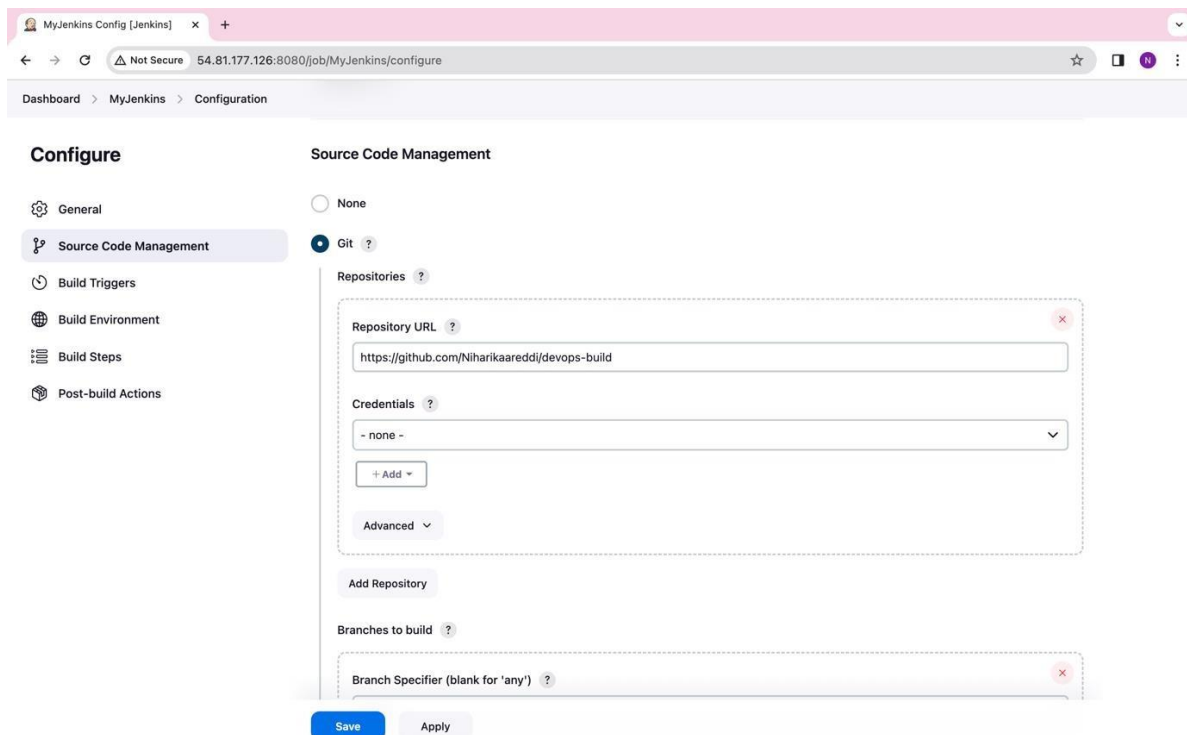


1. Please find the Jenkins login page, Configuration Settings, and Execute step commands:



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 this heading, there are two input fields: "Username" with the value "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 login 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 side, there is a "Configure" sidebar with a list of options: "General", "Source Code Management" (which is selected and highlighted), "Build Triggers", "Build Environment", "Build Steps", and "Post-build Actions". The main content area is titled "Source Code Management" and shows the configuration for the "Git" source code management system. The "None" option is unselected, and "Git" is selected. Under the "Repositories" section, there is a "Repository URL" field containing `https://github.com/Niharikaareddi/devops-build`. Below this is a "Credentials" dropdown menu set to "- none -", with an "Add" button. An "Advanced" dropdown is also visible. Below the repository configuration, there is an "Add Repository" button. The "Branches to build" section has a "Branch Specifier (blank for 'any')" field. 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

Save

Apply

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 ?

Save

Apply

MyJenkins Config [Jenkins] x +

← → ↻ Not Secure 54.81.177.126:8080/job/MyJenkins/configure

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

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

aws Services Search [Option+S]

Instances (1) Info

Find Instance by attribute or tag (case-sensitive) Any state ▾

Instance state = running X Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Publ
<input type="checkbox"/>	Myinstance	i-0383d61355a483ba9	Running	t2.micro	Initializing	View alarms	us-east-1b	ec2-54-198-235-111.co...	54.1

Select an instance

CloudShell Feedback

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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 Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
sg-03fd24f35f6e7e8bc	SSH	TCP	22	Cust... <input type="text" value="0.0.0.0/0"/>		Delete
sg-04e02d49eb5a1cc14	HTTP	TCP	80	Cust... <input type="text" value="0.0.0.0/0"/>		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

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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 [🌐](#)

Updated 1 day ago

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

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		Image	10 minutes ago	a day ago
tagname		Image	3 days ago	7 days ago

[See all](#)

Automated Builds

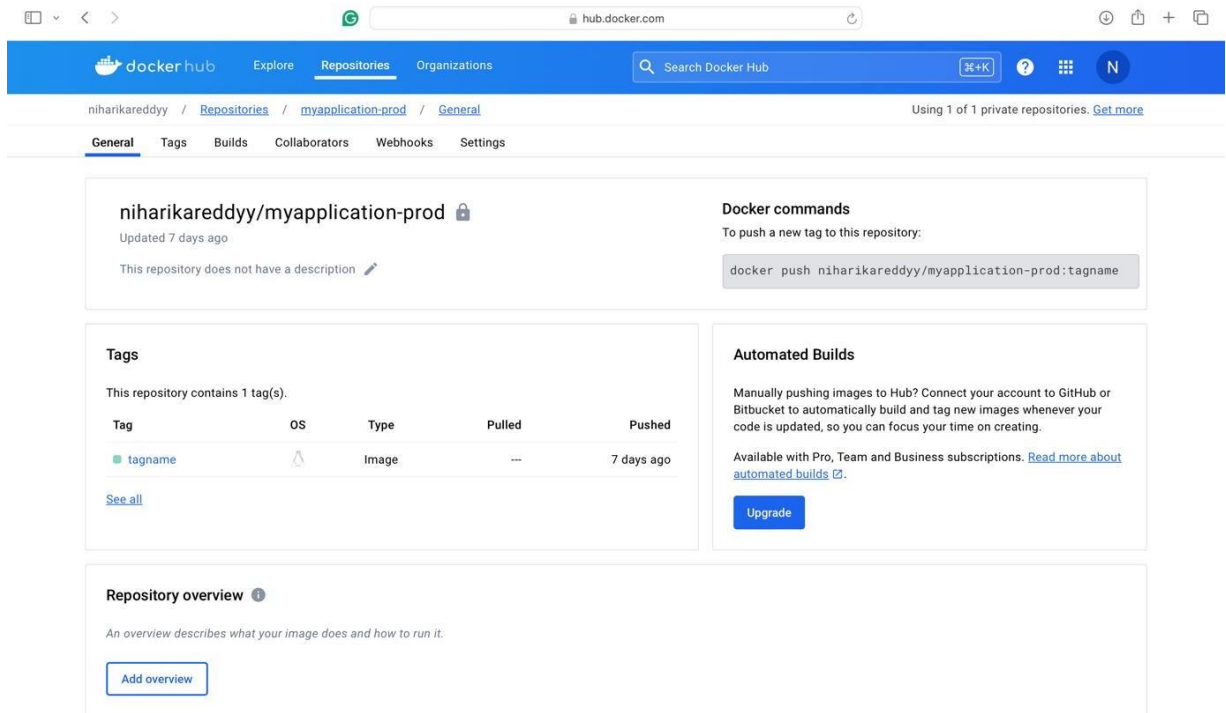
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

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

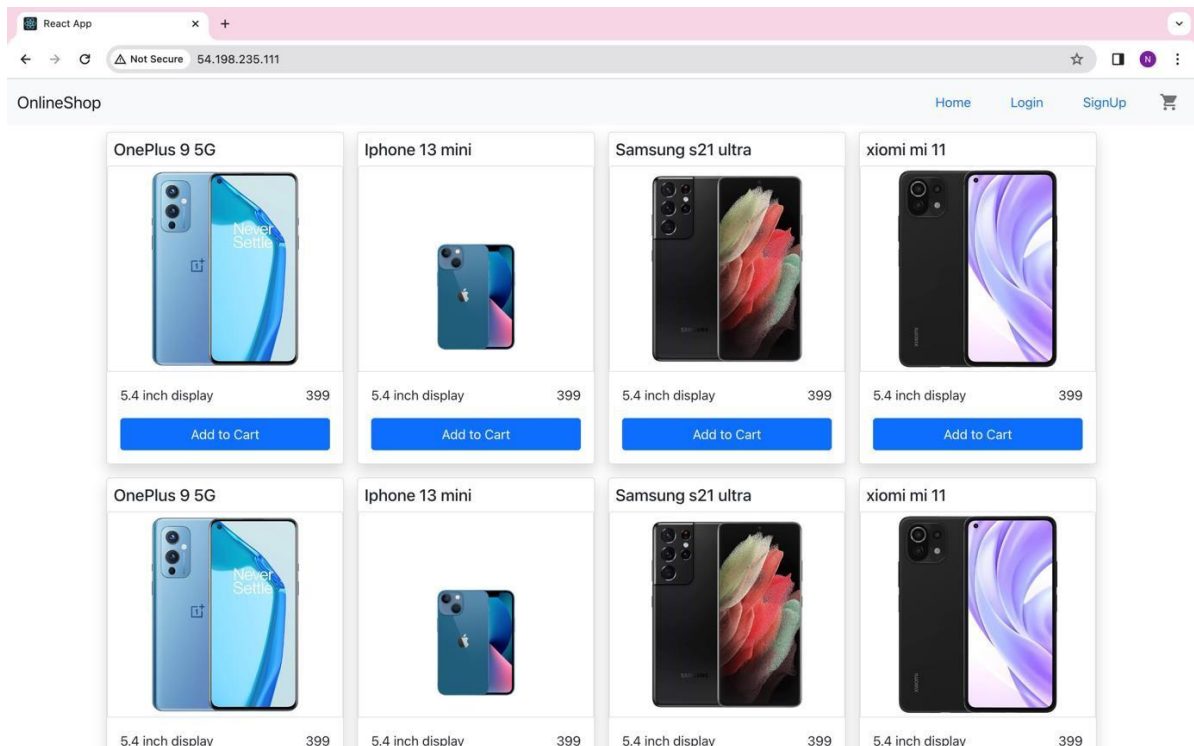
[Upgrade](#)

Repository overview [?](#)

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:

