

1. git hub repo

<https://github.com/sarathakash/devops-guvi-capston-project.git>

deployed site url

<http://34.227.171.79/>

docker images name - nginx

```
ubuntu@ip-172-31-92-59:~$ sudo docker images
REPOSITORY              TAG         IMAGE ID      CREATED       SIZE
sarathakash95/prod      version-1   4017fc54fe94  7 minutes ago 101MB
nginx                   latest      4017fc54fe94  7 minutes ago 101MB
sarathakash95/prod      <none>     714d9b4dfc98  10 minutes ago 101MB
sarathakash95/prod      <none>     fc63ae14d692  26 minutes ago 101MB
<none>                  <none>     49b5c52eb9e1  34 minutes ago 101MB
sarathakash95/prod      latest     03bf9681cf77  2 days ago    190MB
nginx                   latest     dde0cca083bc  3 weeks ago   168MB
```

2. Aws ec2 console

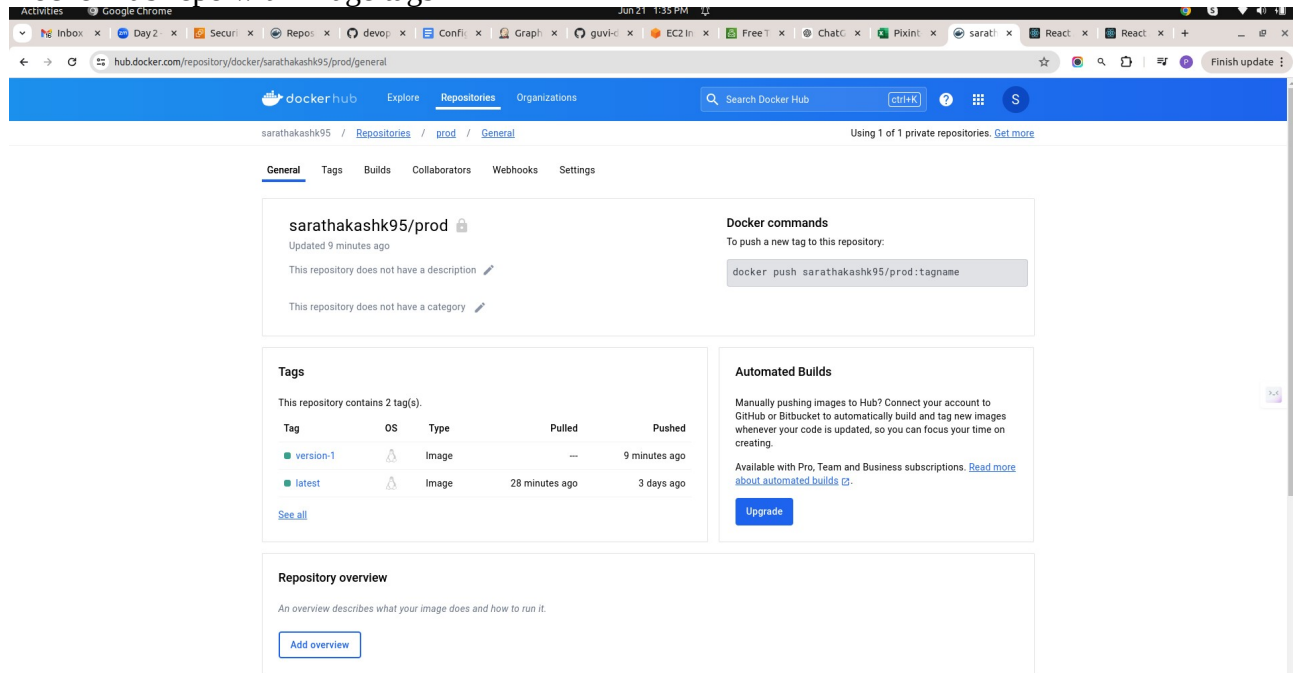
The screenshot shows the AWS Management Console interface. On the left, there's a navigation menu with options like EC2 Dashboard, Events, and Instances. The main area displays the 'Instances (1/1)' page. A table lists the instance 'ec2-project' with its ID 'i-00780135082976a41' and status 'Running'. Below the table, the 'Details' tab is selected, showing various instance attributes such as Instance ID, IP addresses, Hostname type, and VPC configuration. The instance is running on a t2.micro instance type in the us-east-1 region.

SG configuration

The screenshot shows the 'Inbound rules (5)' section of the Security Groups page. It contains a table with five rules:

Name	Security group rule...	IP vers...	Type	Protocol	Port range	Source	Description
-	sgr-0662bfff8be17c46fb	IPv4	Custom TCP	TCP	8080	0.0.0.0/0	-
-	sgr-08beb3f66abc98310	IPv4	Custom TCP	TCP	3000	0.0.0.0/0	-
-	sgr-08d9d6d8d6526b...	IPv4	HTTP	TCP	80	0.0.0.0/0	-
-	sgr-081ae88e4ddb918...	IPv4	HTTPS	TCP	443	0.0.0.0/0	-
-	sgr-0679fc3aabb59b21b	IPv4	SSH	TCP	22	0.0.0.0/0	-

Docker hub repo with image tags



The screenshot shows the Docker Hub repository page for `sarathakash95/prod`. The page is titled "sarthakash95/prod" and indicates it was updated 9 minutes ago. It shows that the repository does not have a description or category. The "Tags" section lists two tags: `version-1` (pushed 9 minutes ago) and `latest` (pushed 3 days ago). The "Docker commands" section provides the command `docker push sarathakash95/prod:tagname`. The "Automated Builds" section explains how to connect GitHub or Bitbucket for automatic builds. The "Repository overview" section is currently empty.

sarthakash95/prod
Updated 9 minutes ago

This repository does not have a description

This repository does not have a category

Docker commands
To push a new tag to this repository:

```
docker push sarathakash95/prod:tagname
```

Tags
This repository contains 2 tag(s).

Tag	OS	Type	Pulled	Pushed
<code>version-1</code>	Linux	Image	---	9 minutes ago
<code>latest</code>	Linux	Image	28 minutes ago	3 days ago

[See all](#)

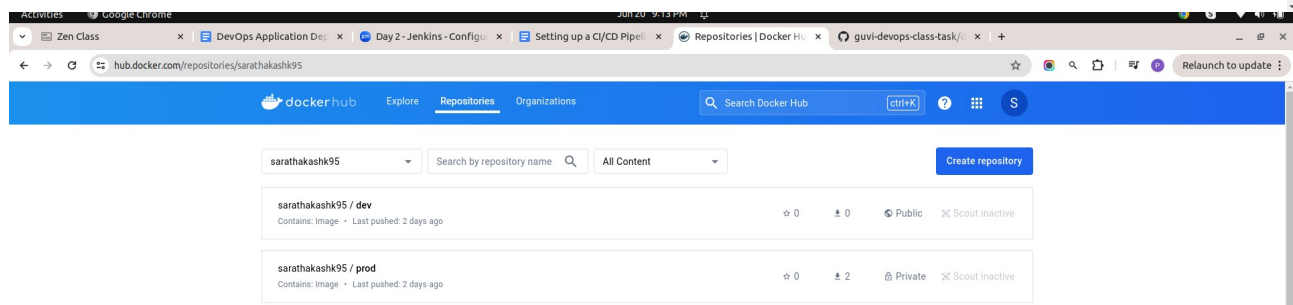
Automated Builds
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

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.

[Add overview](#)



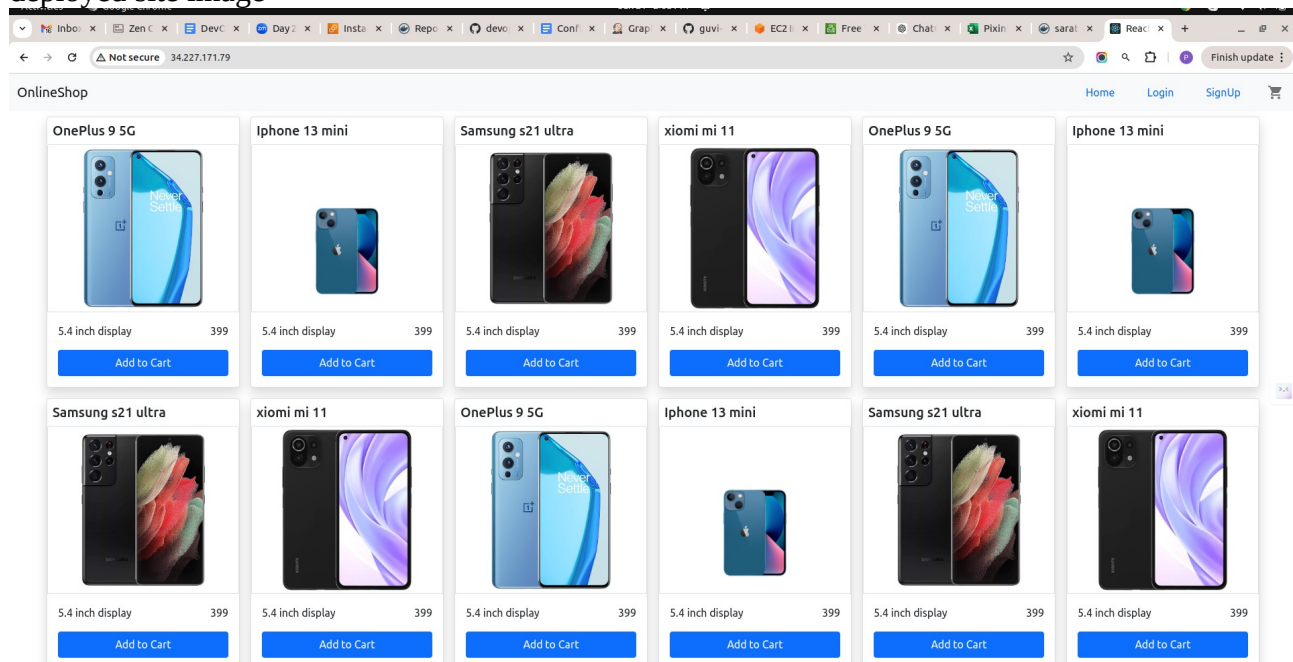
The screenshot shows the Docker Hub search results for the user `sarathakash95`. The search bar shows the user name and the search criteria "All Content". The results list two repositories: `sarthakash95 / dev` (Public, last pushed 2 days ago) and `sarthakash95 / prod` (Private, last pushed 2 days ago).

Search results for `sarathakash95`

`sarthakash95 / dev`
Contains: Image • Last pushed: 2 days ago

`sarthakash95 / prod`
Contains: Image • Last pushed: 2 days ago

deployed site image



The screenshot shows a website called "OnlineShop" displaying a grid of smartphones. Each product card includes the phone's name, a 5.4 inch display, a price of 399, and an "Add to Cart" button. The phones shown are OnePlus 9 5G, iPhone 13 mini, Samsung s21 ultra, and xiami mi 11.

OnlineShop Home Login SignUp

Product	Display	Price	Action
OnePlus 9 5G	5.4 inch display	399	Add to Cart
Iphone 13 mini	5.4 inch display	399	Add to Cart
Samsung s21 ultra	5.4 inch display	399	Add to Cart
xiami mi 11	5.4 inch display	399	Add to Cart
OnePlus 9 5G	5.4 inch display	399	Add to Cart
Iphone 13 mini	5.4 inch display	399	Add to Cart
Samsung s21 ultra	5.4 inch display	399	Add to Cart
xiami mi 11	5.4 inch display	399	Add to Cart

jenkins console output

Activities Google Chrome Jun 21 1:28 PM

34.227.171.79:8080/job/New-pipeline/9/console

Jenkins Search (CTRL+K) sarathkumar log out

Dashboard > New-pipeline > #9

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#9'

Polling Log

Timings

Git Build Data

Pipeline Overview

Pipeline Console

Restart from Stage

Replay

Pipeline Steps

Workspaces

Previous Build

Console Output

```
Started by GitHub push by sarathakash
Obtained jenkinsfile from git https://github.com/sarathakash/devops-guvi-capston-project.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/New-pipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM) (hide)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/New-pipeline/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/sarathakash/devops-guvi-capston-project.git # timeout=10
Fetching upstream changes from https://github.com/sarathakash/devops-guvi-capston-project.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/sarathakash/devops-guvi-capston-project.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main[commit] # timeout=10
Checking out Revision c091a2b9cd82cd4b94d4a8c28567928fb3c16b5 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f c091a2b9cd82cd4b94d4a8c28567928fb3c16b5 # timeout=10
Commit message: " this is my sixth commit"
> git rev-list --no-walk 93e869b34269e089a9f3517344b24ca4c45528a # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
+ docker build -t nging .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
```

jenkins login page

34.227.171.79:8080/login?from=%2F

Sign in to Jenkins

Username

Password

☐ Keep me signed in

Sign In

jenkins pipeline output

Activities Google Chrome Jun 21 1:32 PM

← → ↻ Not secure 34.227.171.79:8080

Jenkins Search (CTRL+K) sarathkumar log out

Dashboard

+ New Item Add description

Build History Alt +

S	W	Name	Last Success	Last Failure	Last Duration
✓	☁	New-pipeline	6 min 2 sec #9	8 min 52 sec #8	12 sec

Icon: S M L

Build Queue
No builds in the queue.

Build Executor Status
1 Idle
2 Idle

REST API Jenkins 2.452.2

← → ↻ Not secure 34.227.171.79:8080/job/New-pipeline/9/pipeline-graph/

Jenkins Search (CTRL+K) sarathkumar log out

Dashboard > New-pipeline > #9 > Pipeline Overview

✓ < Build #9 Rebuild Console Configure

Pipeline

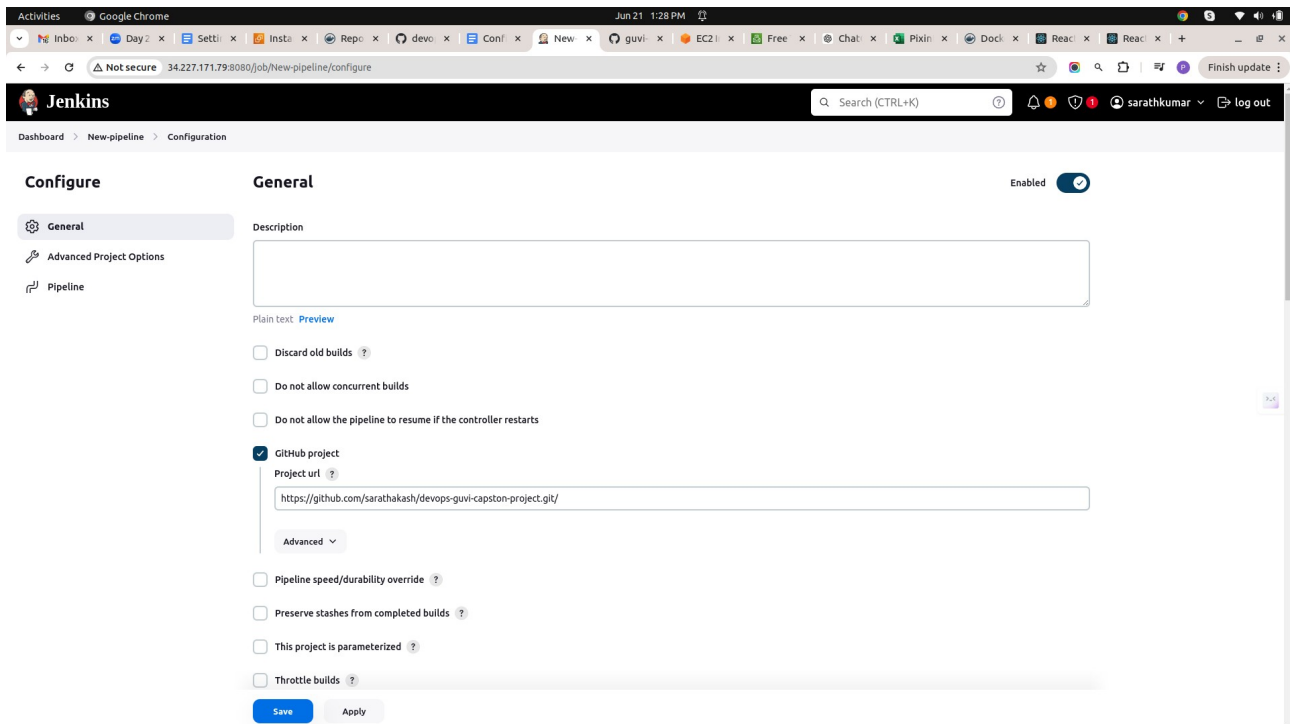
Start Checkout SCM Build Deploy & push Post Actions End

Details

- Started 6 min 22 sec ago
- Queued 7.4 sec
- Took 12 sec

Jenkins 2.452.2

Jenkins configuration



This screenshot shows the Jenkins Configuration page for a new pipeline, specifically the 'General' tab. The page is titled 'Configure' and includes a sidebar with 'General', 'Advanced Project Options', and 'Pipeline'. The 'General' section is active and shows a description field, a 'Plain text: Preview' button, and several checkboxes for build options. The 'GitHub project' checkbox is checked, and the 'Project url' is set to 'https://github.com/sarathakash/devops-guvi-capston-project.git/'. The 'Save' button is highlighted in blue.

Configure

General Enabled

Description

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 ?

[Advanced](#)

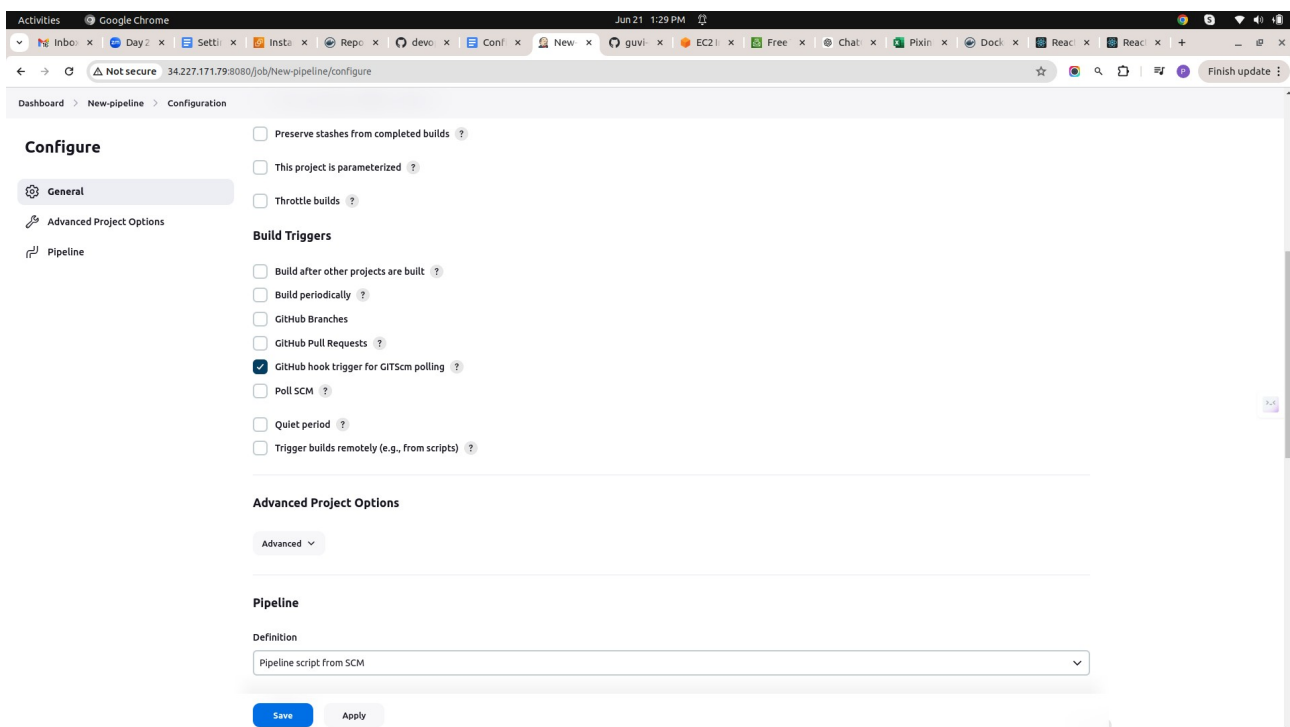
☐ Pipeline speed/durability override ?

☐ Preserve stashes from completed builds ?

☐ This project is parameterized ?

☐ Throttle builds ?

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



This screenshot shows the 'Build Triggers' and 'Pipeline' sections of the Jenkins Configuration page. The 'Build Triggers' section includes checkboxes for 'Build after other projects are built', 'Build periodically', 'GitHub Branches', 'GitHub Pull Requests', 'GitHub hook trigger for GITScm polling' (checked), 'Poll SCM', 'Quiet period', and 'Trigger builds remotely'. The 'Advanced Project Options' section is collapsed. The 'Pipeline' section shows the 'Definition' dropdown set to 'Pipeline script from SCM'. The 'Save' button is highlighted in blue.

Configure

General [Advanced Project Options](#) [Pipeline](#)

☐ Preserve stashes from completed builds ?

☐ This project is parameterized ?

☐ Throttle builds ?

Build Triggers

☐ Build after other projects are built ?

☐ Build periodically ?

☐ GitHub Branches

☐ GitHub Pull Requests ?

☒ **GitHub hook trigger for GITScm polling ?**

☐ Poll SCM ?

☐ Quiet period ?

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

Advanced Project Options

[Advanced](#)

Pipeline

Definition

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

Activities Google Chrome Jun 21 1:30 PM

34.227.171.79:8080/job/New-pipeline/configure

Dashboard > New-pipeline > Configuration

Configure

- General
- Advanced Project Options
- Pipeline

pipeline

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://github.com/sarathakash/devops-guvi-capston-project.git

Credentials ?

- none -

+ Add

Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/main

Add Branch

Save Apply

Activities Google Chrome Jun 21 1:31 PM

34.227.171.79:8080/job/New-pipeline/configure

Dashboard > New-pipeline > Configuration

Configure

- General
- Advanced Project Options
- Pipeline

Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/main

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add

Script Path ?

jenkinsfile

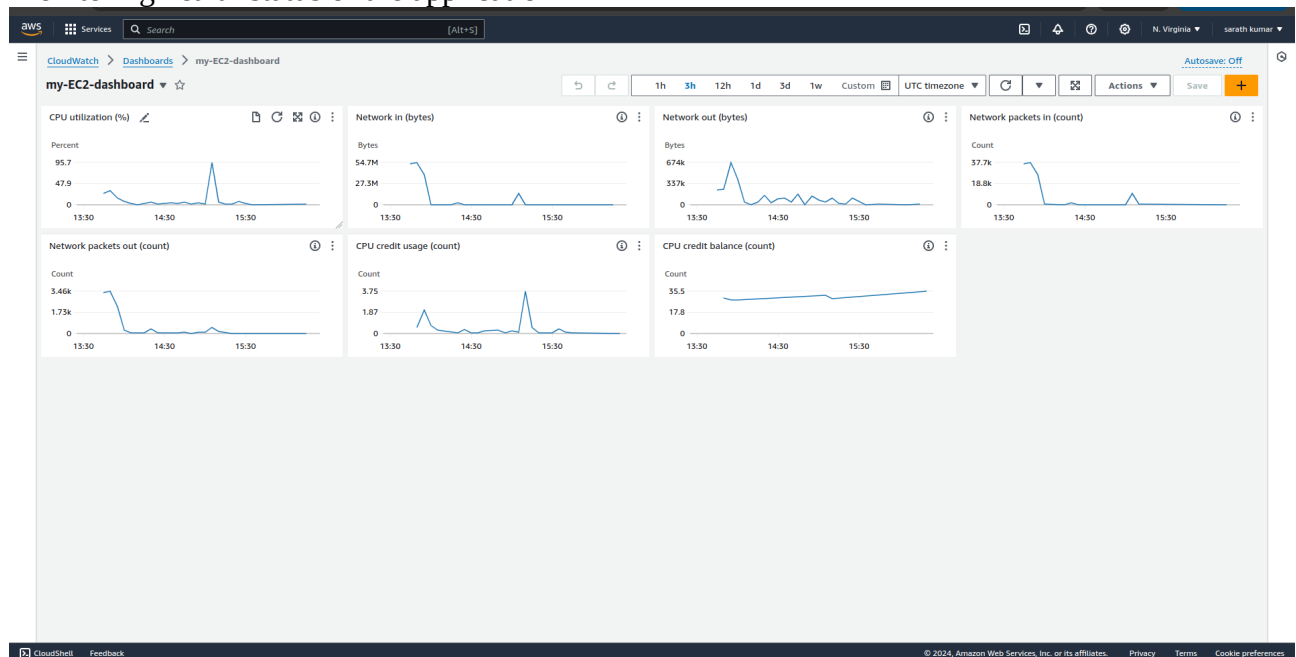
☒ Lightweight checkout ?

[Pipeline Syntax](#)

Save Apply

REST API Jenkins 2.452.2

Monitoring health status of the application



The image shows the "Configure actions" wizard in the AWS CloudWatch console. The wizard is titled "Alarm recommendations available" and "Turn on Recommendations to pre-populate the wizard with the recommended alarms." The wizard is divided into four steps:

- Step 1: Specify metric and conditions
- Step 2: Configure actions
- Step 3: Add name and description
- Step 4: Preview and create

The "Configure actions" step is currently active. It contains the following sections:

- Notification:**
 - Alarm state trigger:** Define the alarm state that will trigger this action. The "In alarm" option is selected, which triggers when the metric or expression is outside of the defined threshold.
 - Send a notification to the following SNS topic:** Define the SNS (Simple Notification Service) topic that will receive the notification. The "Select an existing SNS topic" option is selected, and the "Default_CloudWatch_Alarms_Topic" is chosen.
 - Send a notification to...:** A search bar showing "Default_CloudWatch_Alarms_Topic".
 - Email (endpoints):** A list of email addresses, including "sarathakashk7@gmail.com".
- Lambda action:** A section for adding a Lambda action, currently empty.

Email-notification-alarm

Activities Google Chrome Jun 20 9:44 PM

Instances | EC2 | us-east-1 x Create alarm | Alarms | x CloudWatch | us-east-1 x EC2 Instance Connect | x Dashboard [Jenkins] x React App x +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~:(Page~Actions~AlarmType~MetricAlarm~AlarmData~(Namespace~AWS~2FE2~MetricName~CPUUtilization~Dimensions~(N... ☆ Incognito Relaunch to update

aws Services Search [Alt+S]

Alarm recommendations available Turn on Recommendations to pre-populate the wizard with the recommended alarms.

CloudWatch > Alarms > Create alarm

Step 1 Specify metric and conditions

Step 2 Configure actions

Step 3 Add name and description

Step 4 Preview and create

Configure actions

Notification

Alarm state trigger Define the alarm state that will trigger this action.

☒ In alarm The metric or expression is outside of the defined threshold.

☐ OK The metric or expression is within the defined threshold.

☐ Insufficient data The alarm has just started or not enough data is available.

Remove

Send a notification to the following SNS topic Define the SNS (Simple Notification Service) topic that will receive the notification.

☒ Select an existing SNS topic

☐ Create new topic

☐ Use topic ARN to notify other accounts

Send a notification to...

Default_CloudWatch_Alarms_Topic

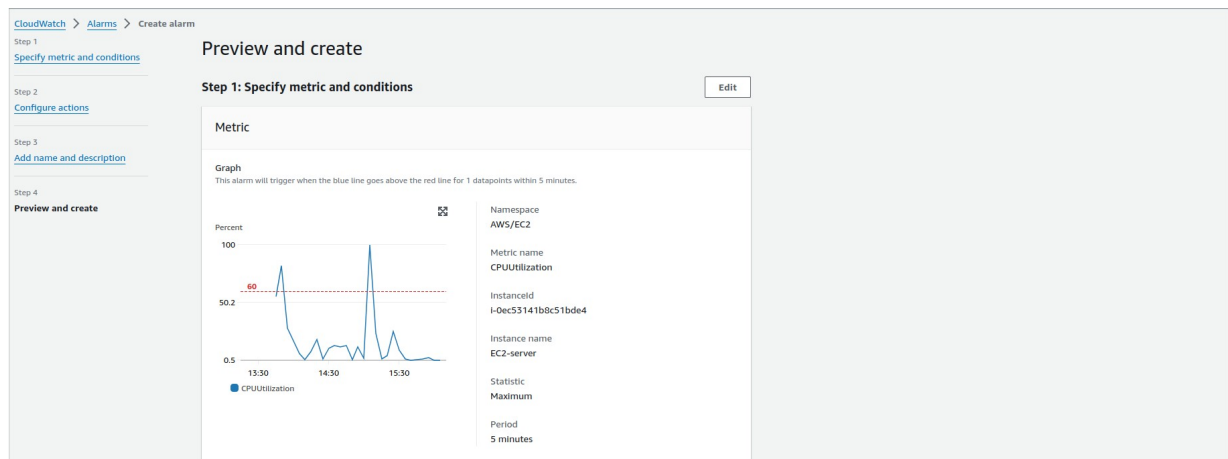
Only topics belonging to this account are listed here. All persons and applications subscribed to the selected topic will receive notifications.

Email (endpoints) sarathakashk7@gmail.com - View in SNS Console

Add notification

Lambda action

Add Lambda action



aws Services Search [Alt+S]

CloudWatch

Some subscriptions are pending confirmation Amazon SNS doesn't send messages to an endpoint until the subscription is confirmed View SNS Subscriptions

CloudWatch > Alarms

Alarms (1/1) Hide Auto Scaling alarms Clear selection Create composite alarm Actions Create alarm

Search Alarm state: Any Alarm type: Any Actions status: Any

Name	State	Last state update (UTC)	Conditions	Actions
application-monitoring-alarm	Insufficient data	2024-06-20 16:16:34	CPUUtilization >= 60 for 1 datapoints within 5 minutes	Actions enabled Warning

CloudWatch

Favorites and recents

Dashboards my-EC2-dashboard

Alarms

In alarm

All alarms

Billing

Logs

Metrics

X-Ray traces

Events

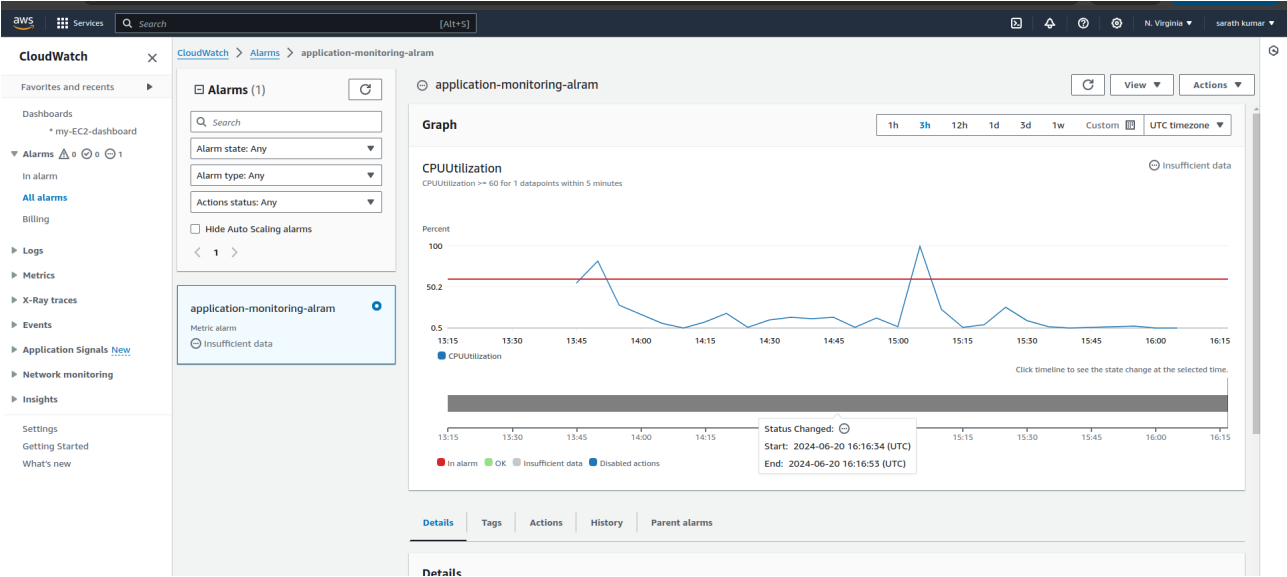
Application Signals New

Network monitoring

Insights

Settings

Getting Started



Graph

CPUUtilization

CPUUtilization >= 60 for 1 datapoints within 5 minutes

Percent

100

50.2

0.5

CPUUtilization

Click timeline to see the state change at the selected time.

Status Changed: Start: 2024-06-20 16:16:34 (UTC) End: 2024-06-20 16:16:53 (UTC)

In alarm OK Insufficient data Disabled actions