

1. git hub repo

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

deployed site url

<http://34.205.31.200/>

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            03bf9681cf7        2 days ago         190MB
nginx               latest            dde0cca083bc       3 weeks ago        168MB
```

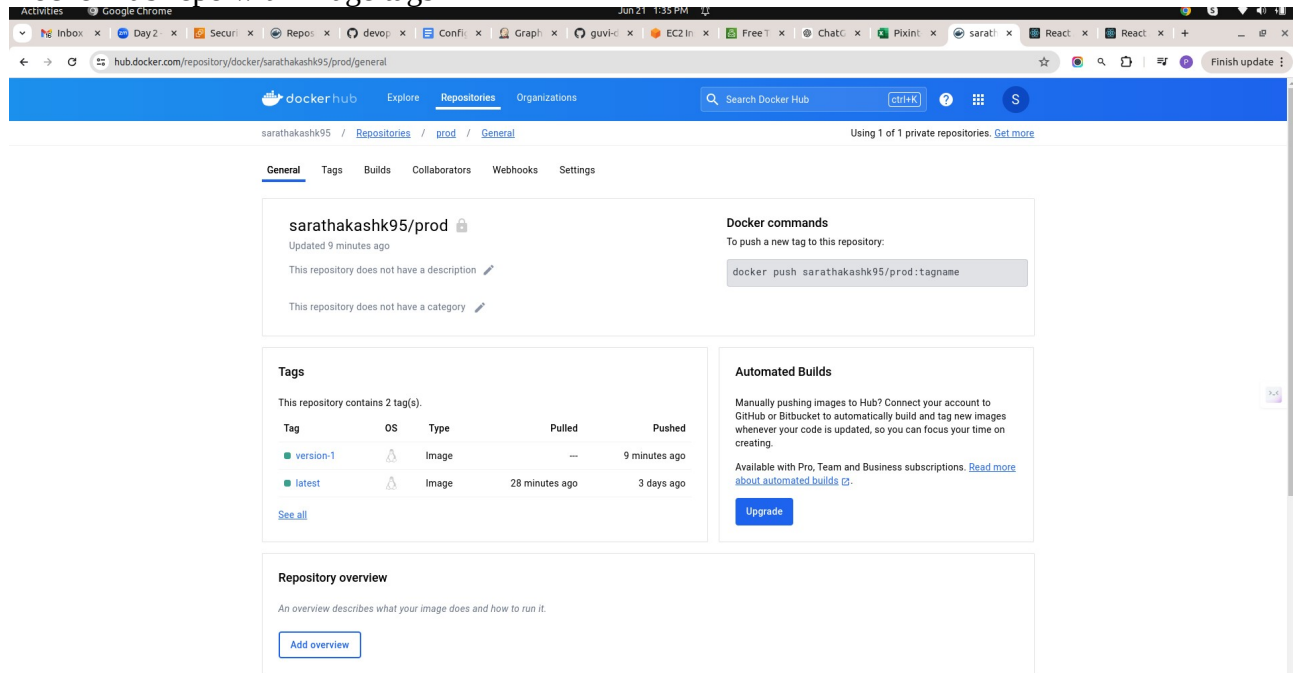
2. Aws ec2 console

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 panel displays the 'Instances (1/1)' page. A table lists the instance 'ec2-project' with its ID 'i-00780135082976a41' and state 'Running'. Below the table, the 'Details' tab is selected, showing various instance attributes such as 'Instance ID', 'IPV6 address', 'Hostname type', 'IP name', 'Answer private resource DNS name', 'Auto-assigned IP address', 'IAM Role', 'IMDSv2', 'Public IPv4 address', 'Instance state', 'Private IP DNS name', 'Instance type', 'VPC ID', 'Subnet ID', 'Instance ARN', 'Private IPv4 addresses', 'Public IPv4 DNS', 'Elastic IP addresses', 'AWS Compute Optimizer finding', and 'Auto Scaling Group name'.

SG configuration

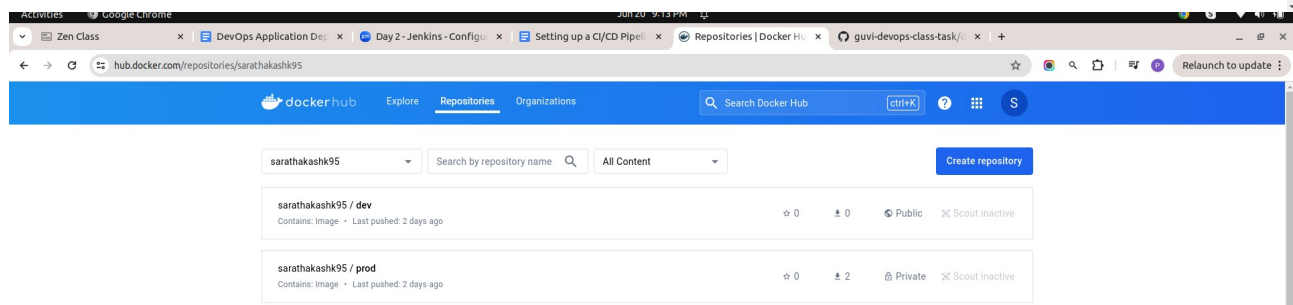
The screenshot shows the 'Inbound rules (5)' section of the AWS Security Groups console. It displays a table with five rules. Each rule has a checkbox, a name, a security group rule ID, an IP version of IPv4, a type, a protocol, a port range, a source of 0.0.0.0/0, and a description. The rules are: a custom TCP rule on port 8080, a custom TCP rule on port 3000, an HTTP rule on port 80, an HTTPS rule on port 443, and an SSH rule on port 22.

Docker hub repo with image tags



The screenshot shows the Docker Hub repository page for `sarathakash95/prod`. The page is divided into several sections:

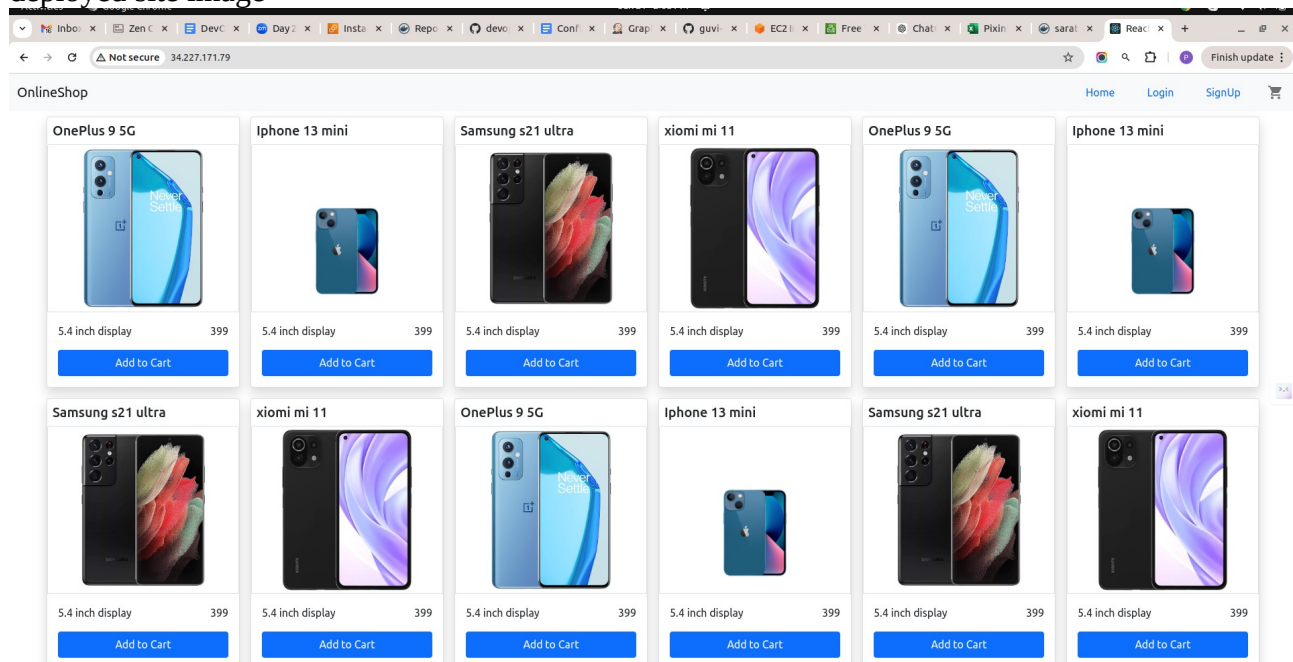
- General:** Shows the repository name `sarathakash95/prod`, updated 9 minutes ago. It notes that the repository does not have a description or category.
- Docker commands:** Provides a command to push a new tag: `docker push sarathakash95/prod:tagname`.
- Tags:** Lists two tags: `version-1` (pushed 9 minutes ago) and `latest` (pushed 3 days ago). Both are of type `Image`.
- Automated Builds:** A section explaining how to connect GitHub or Bitbucket for automated builds, with an `Upgrade` button.
- Repository overview:** A section with an `Add overview` button.



The screenshot shows the Docker Hub search results for the user `sarathakash95`. The results list two repositories:

- `sarathakash95 / dev`: Contains Image, Last pushed: 2 days ago. It is a public repository with 0 stars and 0 forks.
- `sarathakash95 / prod`: Contains Image, Last pushed: 2 days ago. It is a private repository with 0 stars and 2 forks.

deployed site image



The screenshot shows a web application titled "OnlineShop" displaying a grid of smartphone products. Each product card includes an image, the model name, display size, price, and an "Add to Cart" button. The products shown are:

- OnePlus 9 5G (5.4 inch display, 399)
- Iphone 13 mini (5.4 inch display, 399)
- Samsung s21 ultra (5.4 inch display, 399)
- xiomi mi 11 (5.4 inch display, 399)
- OnePlus 9 5G (5.4 inch display, 399)
- Iphone 13 mini (5.4 inch display, 399)
- Samsung s21 ultra (5.4 inch display, 399)
- xiomi mi 11 (5.4 inch display, 399)
- OnePlus 9 5G (5.4 inch display, 399)
- Iphone 13 mini (5.4 inch display, 399)
- Samsung s21 ultra (5.4 inch display, 399)
- xiomi mi 11 (5.4 inch display, 399)

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 +

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views Icon: S M L

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

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

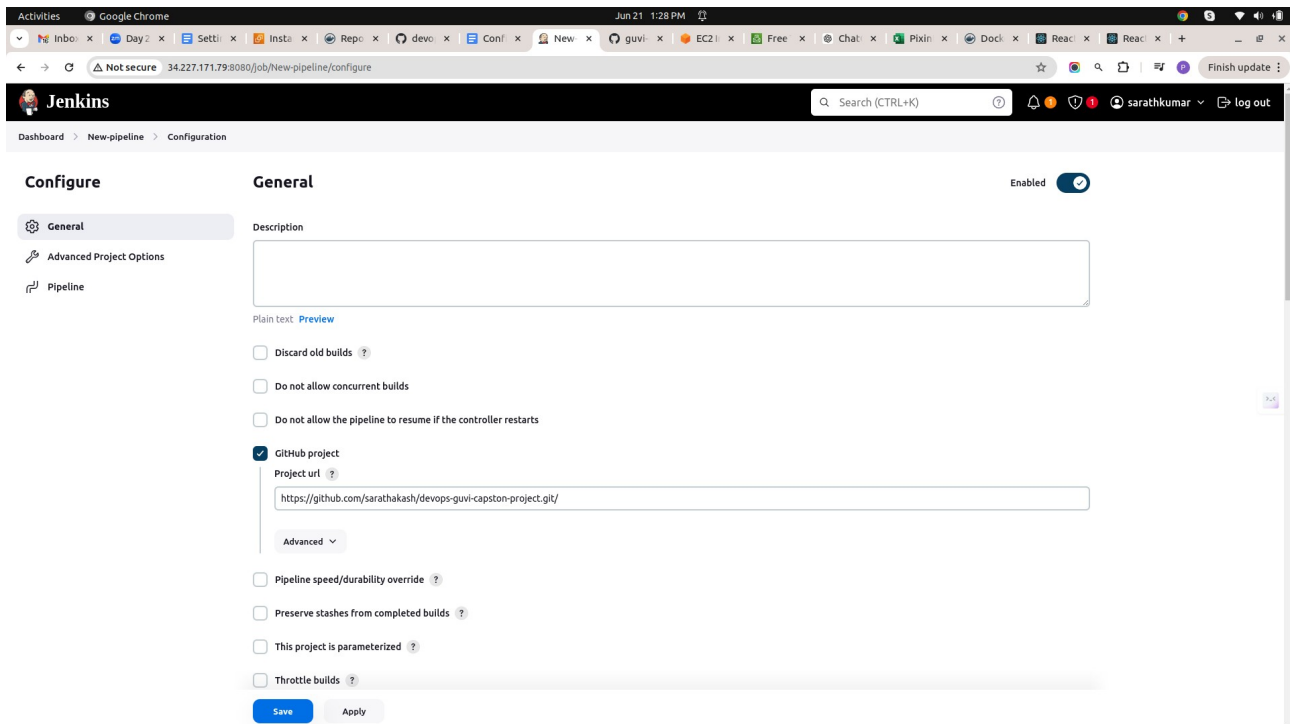
Start Checkout SCM Build Deploy & push Post Actions End

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](#)

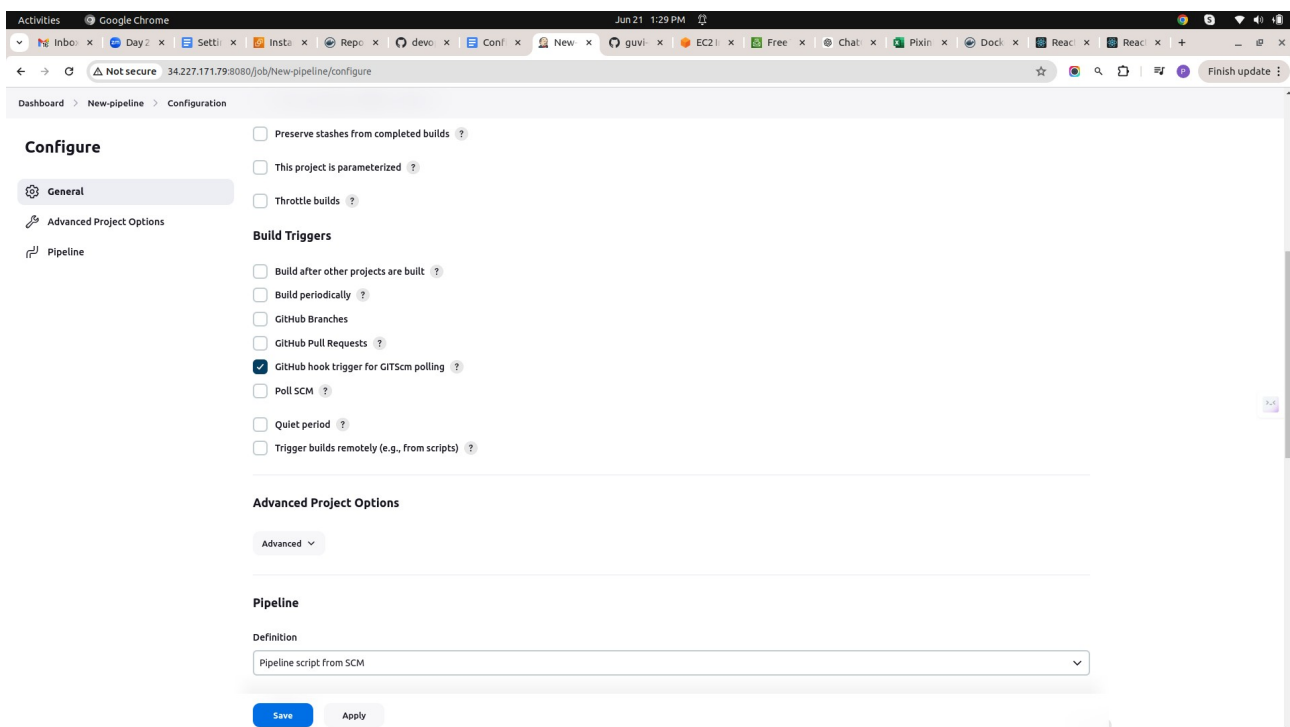
☐ Pipeline speed/durability override ?

☐ 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

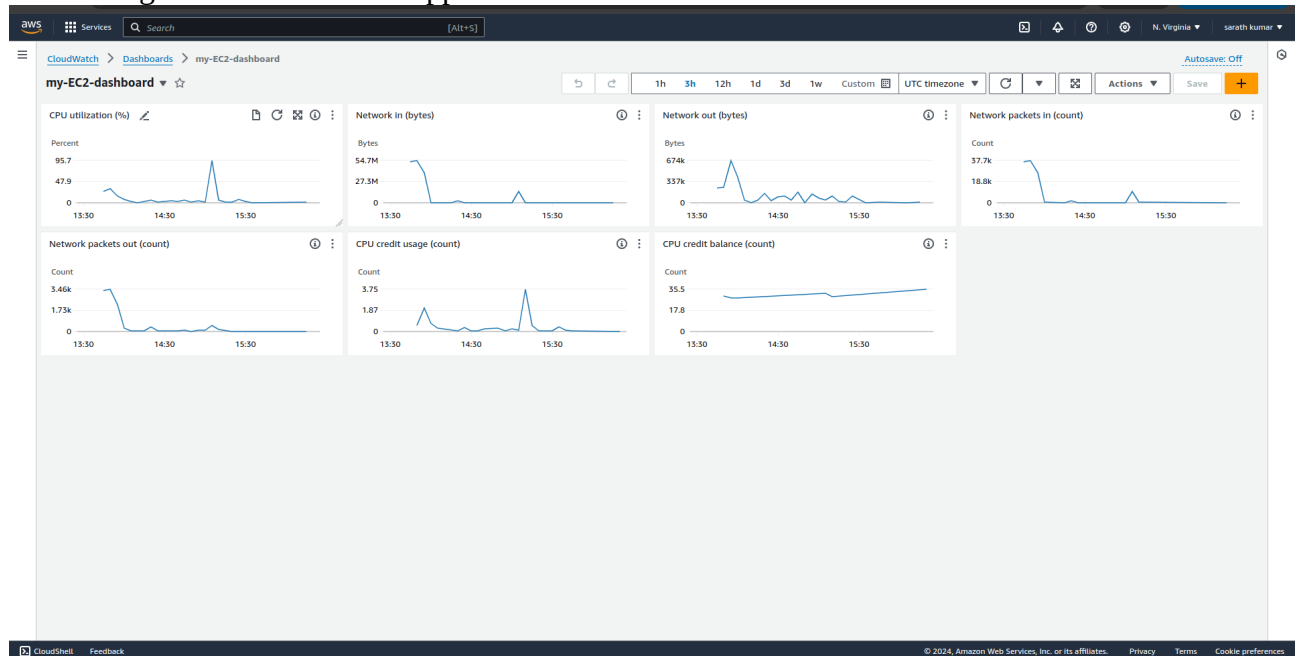
☒ Lightweight checkout ?

[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 shows the "Notification" section, which includes the "Alarm state trigger" and the "Send a notification to the following SNS topic" section. The "Alarm state trigger" section has three options: "In alarm" (selected), "OK", and "Insufficient data". The "Send a notification to the following SNS topic" section has three options: "Select an existing SNS topic" (selected), "Create new topic", and "Use topic ARN to notify other accounts". The "Send a notification to..." section shows a search bar with "Default_CloudWatch_Alarms_Topic" and a button "Add notification". The "Lambda action" section has a button "Add Lambda action".

Email-notification-alarm

Activities Google Chrome Jun 20 9:44 PM

Instances | EC2 | us-east-1 x Create alarm | Alarms | CloudWatch | us-east-1 x EC2 Instance Connect | 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~{~{Na... ☆ 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.

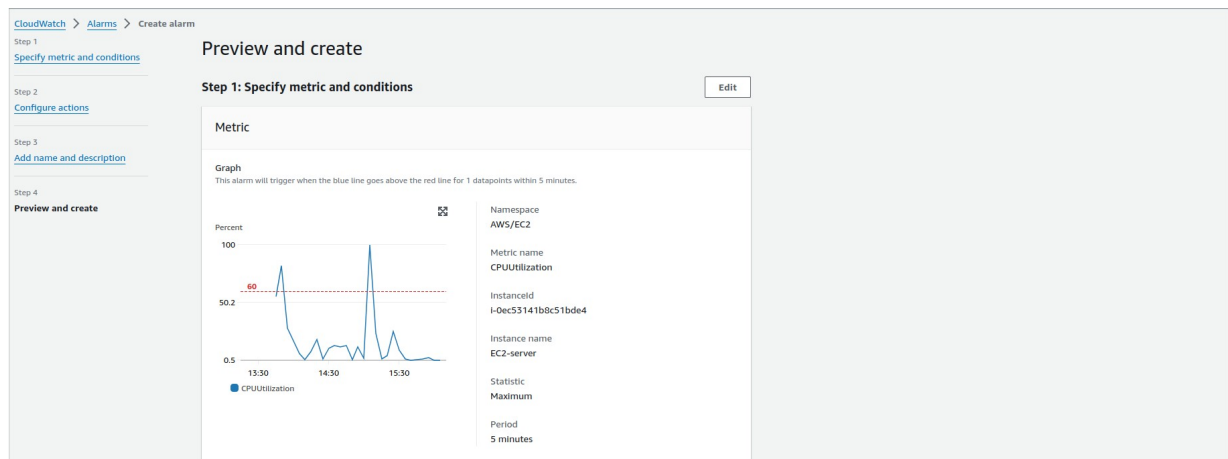
Email (endpoints)

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

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

