

Launch an instance

# Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

## Name and tags

Name

JENKINS

Add additional tags

## Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Linux

SUSE

Debian

debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

### Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

ami-0f918f7e67a3323f0 (64-bit (x86)) / ami-02f607855bfce66b6 (64-bit (Arm))

Free tier eligible

## Summary

Number of instances

1

### Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more  
ami-0f918f7e67a3323f0

### Virtual server type (instance type)

t2.micro

### Firewall (security group)

New security group

### Storage (volumes)

1 volume(s) - 8 GiB

Free tier:

In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to

Cancel

Launch instance

Preview code















aws

Search

[Alt+S]

EC2

Elastic Kubernetes Service

Elastic Container Registry

Asia Pacific (Mumbai)

ak\_21

\* Documentation: <https://help.ubuntu.com>

\* Management: <https://landscape.canonical.com>

\* Support: <https://ubuntu.com/pro>

System information as of Tue Jul 8 06:25:38 UTC 2025

System load: 0.08

Processes: 103

Usage of /: 25.7% of 6.71GB

Users logged in: 0

Memory usage: 20%

IPv4 address for enX0: 172.31.2.43

Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

The list of available updates is more than a week old.  
To check for new updates run: `sudo apt update`

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in `/usr/share/doc/*/copyright`.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "`sudo <command>`".  
See "`man sudo_root`" for details.

ubuntu@ip-172-31-2-43:~\$ sudo apt udpate && sudo apt upgrade

i-08caa9d34a8d97073 (JENKINS)

PublicIPs: 3.110.103.255 PrivateIPs: 172.31.2.43

CloudShell

Feedback

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```
User sessions running outdated binaries:
ubuntu @ session #8: sshd[1226]
ubuntu @ user manager service: systemd[1574]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-2-43:~$ sudo systemctl start jenkins
ubuntu@ip-172-31-2-43:~$ sudo systemctl enable Jenkins
Failed to enable unit: Unit file Jenkins.service does not exist.
ubuntu@ip-172-31-2-43:~$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-07-08 06:35:34 UTC; 4min 53s ago
 Main PID: 14147 (java)
    Tasks: 38 (limit: 1124)
  Memory: 299.3M (peak: 332.3M)
     CPU: 18.960s
    CGroup: /system.slice/jenkins.service
            └─14147 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

Jul 08 06:35:24 ip-172-31-2-43 jenkins[14147]: 105efd49381f4b96b56fdf95cebea07d
Jul 08 06:35:24 ip-172-31-2-43 jenkins[14147]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Jul 08 06:35:24 ip-172-31-2-43 jenkins[14147]: *****
Jul 08 06:35:24 ip-172-31-2-43 jenkins[14147]: *****
Jul 08 06:35:24 ip-172-31-2-43 jenkins[14147]: *****
Jul 08 06:35:34 ip-172-31-2-43 jenkins[14147]: 2025-07-08 06:35:34.083+0000 [id=31] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
Jul 08 06:35:34 ip-172-31-2-43 jenkins[14147]: 2025-07-08 06:35:34.115+0000 [id=23] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
Jul 08 06:35:34 ip-172-31-2-43 systemd[1]: Started jenkins.service - Jenkins Continuous Integration Server.
Jul 08 06:35:35 ip-172-31-2-43 jenkins[14147]: 2025-07-08 06:35:35.748+0000 [id=47] INFO h.m.DownloadService$Downloadable#load: Obtained the updated data file for hudson.tasks
Jul 08 06:35:35 ip-172-31-2-43 jenkins[14147]: 2025-07-08 06:35:35.749+0000 [id=47] INFO hudson.util.Retrier#start: Performed the action check updates server successfully at t

ubuntu@ip-172-31-2-43:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
105efd49381f4b96b56fdf95cebea07d
ubuntu@ip-172-31-2-43:~$ ^C
ubuntu@ip-172-31-2-43:~$
```

i-08caa9d34a8d97073 (JENKINS)

PublicIPs: 3.110.103.255 PrivateIPs: 172.31.2.43



Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

```
/var/lib/jenkins/secrets/initialAdminPassword
```

Please copy the password from either location and paste it below.

**Administrator password**



Continue

# Getting Started

✓ Folders	✓ OWASP Markup Formatter	🔄 Build Timeout	🔄 Credentials Binding	<b>** Icons API</b> <b>Folders</b> <b>OWASP Markup Formatter</b> <b>** ASM API</b> <b>** JSON Path API</b> <b>** Structs</b> <b>** Pipeline: Step API</b>
🔄 Timestamper	🔄 Workspace Cleanup	🔄 Ant	🔄 Gradle	
🔄 Pipeline	🔄 GitHub Branch Source	🔄 Pipeline: GitHub Groovy Libraries	🔄 Pipeline Graph View	
🔄 Git	🔄 SSH Build Agents	🔄 Matrix Authorization Strategy	🔄 LDAP	
🔄 Email Extension	🔄 Mailer	🔄 Dark Theme		

```
** Ionicons API
Folders
OWASP Markup Formatter
** ASM API
** JSON Path API
** Structs
** Pipeline: Step API
```

```
** - required dependency
```





Getting Started

# Create First Admin User

Username

Password

Confirm password

Full name

E-mail address



Getting Started

# Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins





# Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

## Start building your software project

Create a job

## Set up a distributed build

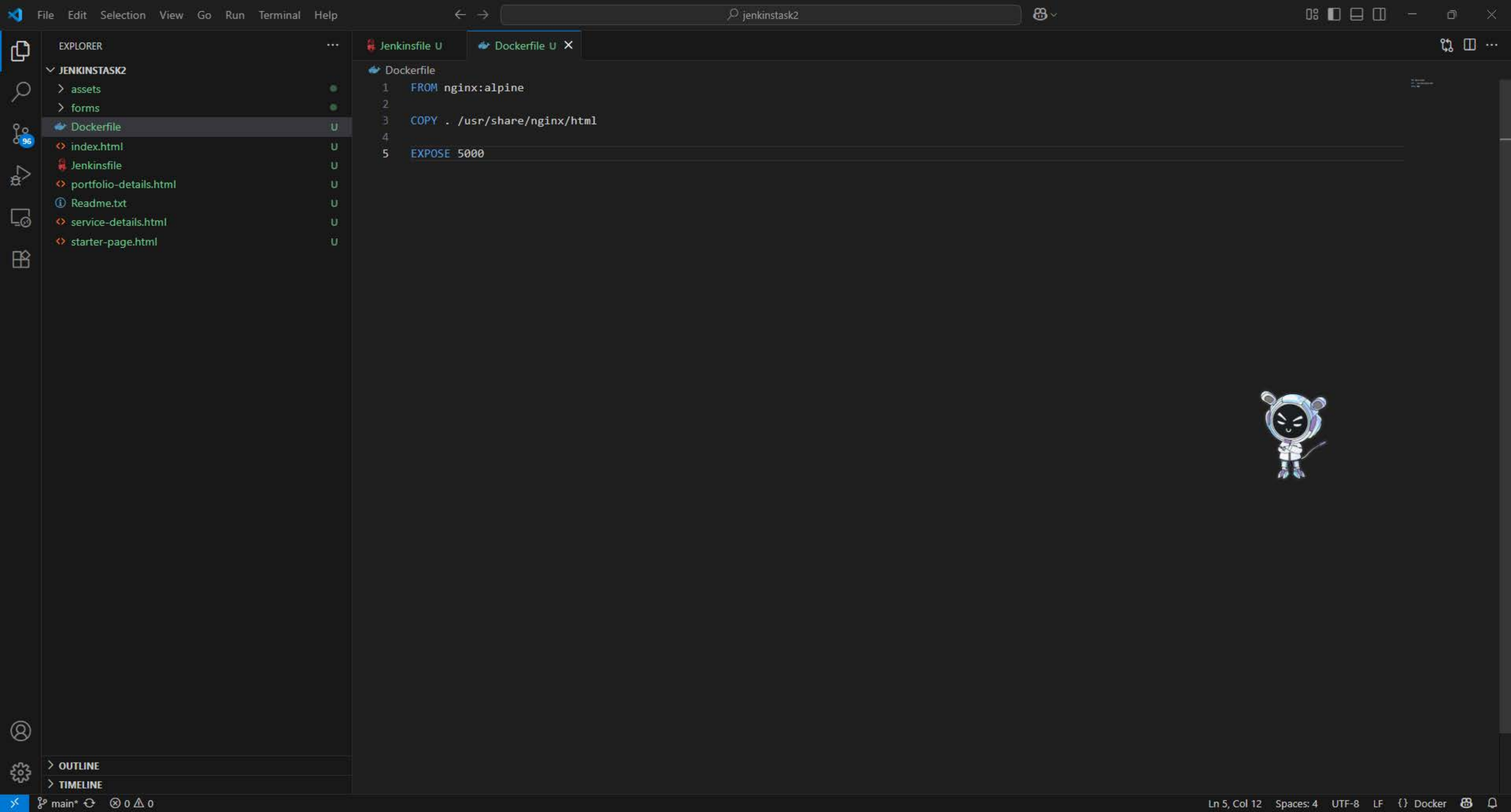
- Set up an agent

🖥️
- Configure a cloud

☁️
- Learn more about distributed builds

❓















FileEditSelectionViewGoRunTerminalHelp

EXPLORER

JENKINSTASK2

- assets
- forms
- Dockerfile
- index.html
- JenkinsfileM
- portfolio-details.html
- Readme.txt
- service-details.html
- starter-page.html

JenkinsfileM

Dockerfile

index.html

Jenkinsfile

1 pipeline {

13 stages {

36 stage('Login to AWS ECR') {

37 steps {

38 script {

39 sh '''

40 aws ecr get-login-password --region \$AWS\_REGION | \

41 docker login --username AWS --password-stdin \$ECR\_REGISTRY

42 ...

43 }

44 }

45 }

46

47 stage('Push to ECR') {

48 steps {

49 script {

50 sh 'docker push \$FULL\_IMAGE\_NAME'

51 }

52 }

53 }

54

55 stage('Pull from DockerHub') {

56 steps {

57 script {

58 sh "docker pull \${FULL\_IMAGE\_NAME}"

59 }

60 }

61 }

62

63 stage('Create Pods form Build Image') {

64 steps {

65 script {

66 sh "docker run -itd -p 5000:80 \${FULL\_IMAGE\_NAME}"

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

To https://github.com/Ashokkumar-21/jenkinstask2.git

6aa243c..5409cc0 main -> main

branch 'main' set up to track 'origin/main'.

IT SYSTEM@ITSYSTEM MINGW64 /e/IT/Biogene\_Web/jenkinstask2 (main)

\$

powerShell

bash

Ln 66, Col 51

Spaces: 4

UTF-8

CRLF

{}

Groovy

FileEditSelectionViewGoRunTerminalHelp

jenkintask2

EXPLORER

JENKINSTASK2

- assets
- forms
- Dockerfile
- index.html
- JenkinsfileM
- portfolio-details.html
- Readme.txt
- service-details.html
- starter-page.html

JenkinsfileM

Jenkinsfile

```
1 pipeline {
13   stages {
62
63     stage('Create Pods form Build Image') {
64       steps {
65         script {
66           sh "docker run -itd -p 5000:80 ${FULL_IMAGE_NAME}"
67         }
68       }
69     }
70   }
71   post {
72     always {
73       mail to: 'ashoksulthan21@gmail.com',
74           subject: "Jenkins Build Notification: ${currentBuild.fullDisplayName}",
75           body: """\
76 Build Status: ${currentBuild.currentResult}
77 Project: ${env.JOB_NAME}
78 Build Number: ${env.BUILD_NUMBER}
79 Build URL: ${env.BUILD_URL}
80 """"
81     }
82   }
83 }
84
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

To https://github.com/Ashokkumar-21/jenkintask2.git  
6aa243c..5409cc0 main -> main  
branch 'main' set up to track 'origin/main'.  
  
IT SYSTEM@ITSYSTEM MINGW64 /e/IT/Biogene\_Web/jenkintask2 (main)  
\$

OUTLINE


TIMELINE

main\*

0 0 0

Ln 66, Col 51 Spaces: 4 UTF-8 CRLF {} Groovy




**jenkintask2**
Public
Pin
Watch 0
Fork 0
Star 0



### Set up GitHub Copilot

Use GitHub's AI pair programmer to autocomplete suggestions as you code.

Get started with GitHub Copilot




### Add collaborators to this repository

Search for people using their GitHub username or email address.

Invite collaborators

## Quick setup — if you've done this kind of thing before

 Set up in Desktop
 or
 HTTPS
SSH



Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).



## ...or create a new repository on the command line

```

echo "# jenkintask2" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin git@github.com:Ashokkumar-21/jenkintask2.git
git push -u origin main

```

## ...or push an existing repository from the command line

jenkinstask2

Public

Pin

Watch 0

Fork 0

Star 0

main

1 Branch

0 Tags

Go to file

Add file

<> Code

Ashokkumar-21

First Commit

0d5c951 · 1 minute ago

1 Commit

assets	First Commit	1 minute ago
forms	First Commit	1 minute ago
Dockerfile	First Commit	1 minute ago
Jenkinsfile	First Commit	1 minute ago
Readme.txt	First Commit	1 minute ago
index.html	First Commit	1 minute ago
portfolio-details.html	First Commit	1 minute ago
service-details.html	First Commit	1 minute ago
starter-page.html	First Commit	1 minute ago

README

Thanks for downloading this template!

Template Name: iPortfolio

About

My Portfolio Static Page

- Readme
- Activity
- 0 stars
- 0 watching
- 0 forks

Releases

No releases published

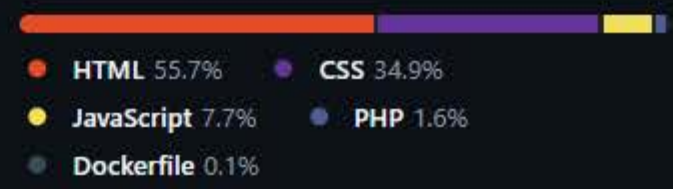
Create a new release

Packages

No packages published

Publish your first package

Languages







aws

Search

[Alt+S]

EC2

Elastic Kubernetes Service

Elastic Container Registry

Amazon ECR

>

Private registry

>

Repositories

>

jenkins

Amazon Elastic Container Registry

<

▼ Private registry

Repositories

Summary

Images

Permissions

Lifecycle Policy

Repository tags

Features & Settings

▼ Public registry

Repositories

Settings

ECR public gallery

Amazon ECS

Amazon EKS

Getting started

Documentation

Image scan overview, status, and full vulnerabilities has moved to the Image detail page. To access, click an image tag.

Images (0)

Delete

Details

Scan

View push commands

Search artifacts

<

1

>

	Image tag	Artifact type	Pushed at	Size (MB)	Image URI	Digest	Last recorded pull time
<div><div>No images</div><div>No images to display</div></div>							

CloudShell

Feedback

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## New Item

Enter an item name

Select an item type



### Freestyle project

Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.



### Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



### Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.



### Folder

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.



### Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.



### Organization Folder

OK



## Configure



General



Triggers



Pipeline



Advanced

## General

Enabled



## Description

Jenkins Task 2, Create a simple script and push it to git repo, using the git repo create a image and push it ecr and deploy the image from ecr to a docker container and set a email notification

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 ?

Save

Apply





## Configure



General



Triggers



Pipeline



Advanced

### Triggers

Set up automated actions that start your build based on specific events, like code changes or scheduled times.

- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☒ GitHub hook trigger for GITScm polling ?
- ☐ Poll SCM ?
- ☐ Trigger builds remotely (e.g., from scripts) ?

### Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

#### Definition

Pipeline script from SCM



SCM ?

Git



Repositories ?

Repository URL ?

`https://github.com/Ashokkumar-21/jenkinstask2`

Save

Apply

Knock knock! Anybody home?





## Configure



General



Triggers



Pipeline



Advanced

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





Status



Changes



Build Now



Configure



Delete Pipeline



GitHub



Stages



Rename



Pipeline Syntax



GitHub Hook Log

Builds



No builds

## jenkinstask2

Jenkins Task 2, Create a simple script and push it to git repo, using the git repo create a image and push it ecr and deploy the image from ecr to a docker container and set a email notification

### Permalinks



Edit description



## Plugins



Updates

3



Available plugins



Installed plugins



Advanced settings

email



Name ↓

Health

Enabled

[Email Extension Plugin](#) 1916.vc954a\_f86ff21

This plugin is a replacement for Jenkins's email publisher. It allows to configure every aspect of email notifications: when an email is sent, who should receive it and what the email says

[Report an issue with this plugin](#)

100

[Email Extension Template Plugin](#) 233.v1eb\_88fc160b\_5

This plugin allows administrators to create global templates for the Extended Email Publisher.

[Report an issue with this plugin](#)

100

[Mailer Plugin](#) 509.vc54d23fc427e

This plugin allows you to configure email notifications for build results.

[Report an issue with this plugin](#)

100







## Extended E-mail Notification

SMTP server

smtp.gmail.com

SMTP Port

465

Advanced



Edited

Default user e-mail suffix ?

Advanced



Edited

Default Content Type ?

Plain Text (text/plain)



List ID ?



Add 'Precedence: bulk' E-mail Header ?

Save

Apply





Reply To List ?

Emergency reroute ?

Allowed Domains ?

Excluded Recipients ?



Default Subject ?

Maximum Attachment Size ?

Default Content ?

Save

Apply





☐ Require Administrator for Template Testing ?

☐ Enable watching for jobs ?

☐ Allow sending to unregistered users ?

Default Triggers ▾

Content Token Reference ?

## E-mail Notification

SMTP server

smtp.gmail.com

Default user e-mail suffix ?

Advanced ▾

Edited

☐ Test configuration by sending test e-mail

Save

Apply



Status



Changes



Build Now



Configure



Delete Pipeline



Stages



Rename



Pipeline Syntax



GitHub Hook Log

Builds



Filter



Today



#1 4:22 AM



jenkinstask2

Jenkins Task 2, Create a simple script and push it to git repo, using the git repo create a image and push it ecr and deploy the image from ecr to a docker container and set a email notification

## Permalinks

- [Last build \(#1\), 1 min 22 sec ago](#)
- [Last stable build \(#1\), 1 min 22 sec ago](#)
- [Last successful build \(#1\), 1 min 22 sec ago](#)
- [Last completed build \(#1\), 1 min 22 sec ago](#)



Edit description



aws

Search

[Alt+S]

EC2

Elastic Kubernetes Service

Elastic Container Registry


Asia Pacific (Mumbai)

ak\_21

```
ubuntu@ip-172-31-2-43:~$ sudo docker images
REPOSITORY      TAG      IMAGE ID      CREATED      SIZE
ubuntu@ip-172-31-2-43:~$ sudo docker ps
CONTAINER ID    IMAGE      COMMAND      CREATED      STATUS      PORTS      NAMES
ubuntu@ip-172-31-2-43:~$ sudo docker images
REPOSITORY      TAG      IMAGE ID      CREATED      SIZE
098588167308.dkr.ecr.ap-south-1.amazonaws.com/jenkins  v2      5a92814c09aa  About a minute ago  67.7MB
jenkins          v2      5a92814c09aa  About a minute ago  67.7MB
nginx            alpine   77656422f700  2 weeks ago      52.5MB
ubuntu@ip-172-31-2-43:~$ sudo docke rps
sudo: docke: command not found
ubuntu@ip-172-31-2-43:~$ sudo docker ps
CONTAINER ID    IMAGE      COMMAND      CREATED      STATUS      PORTS
NAMES
9e38e650e807   098588167308.dkr.ecr.ap-south-1.amazonaws.com/jenkins:v2  "/docker-entrypoint..."  About a minute ago  Up About a minute  5000/tcp, 0.0.0.0:5000->80/tcp, [::]:5000->80/tcp
jenkins
ubuntu@ip-172-31-2-43:~$
```

i-08caa9d34a8d97073 (JENKINS)

PublicIPs: 13.203.86.238 PrivateIPs: 172.31.2.43



CloudShell

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Home

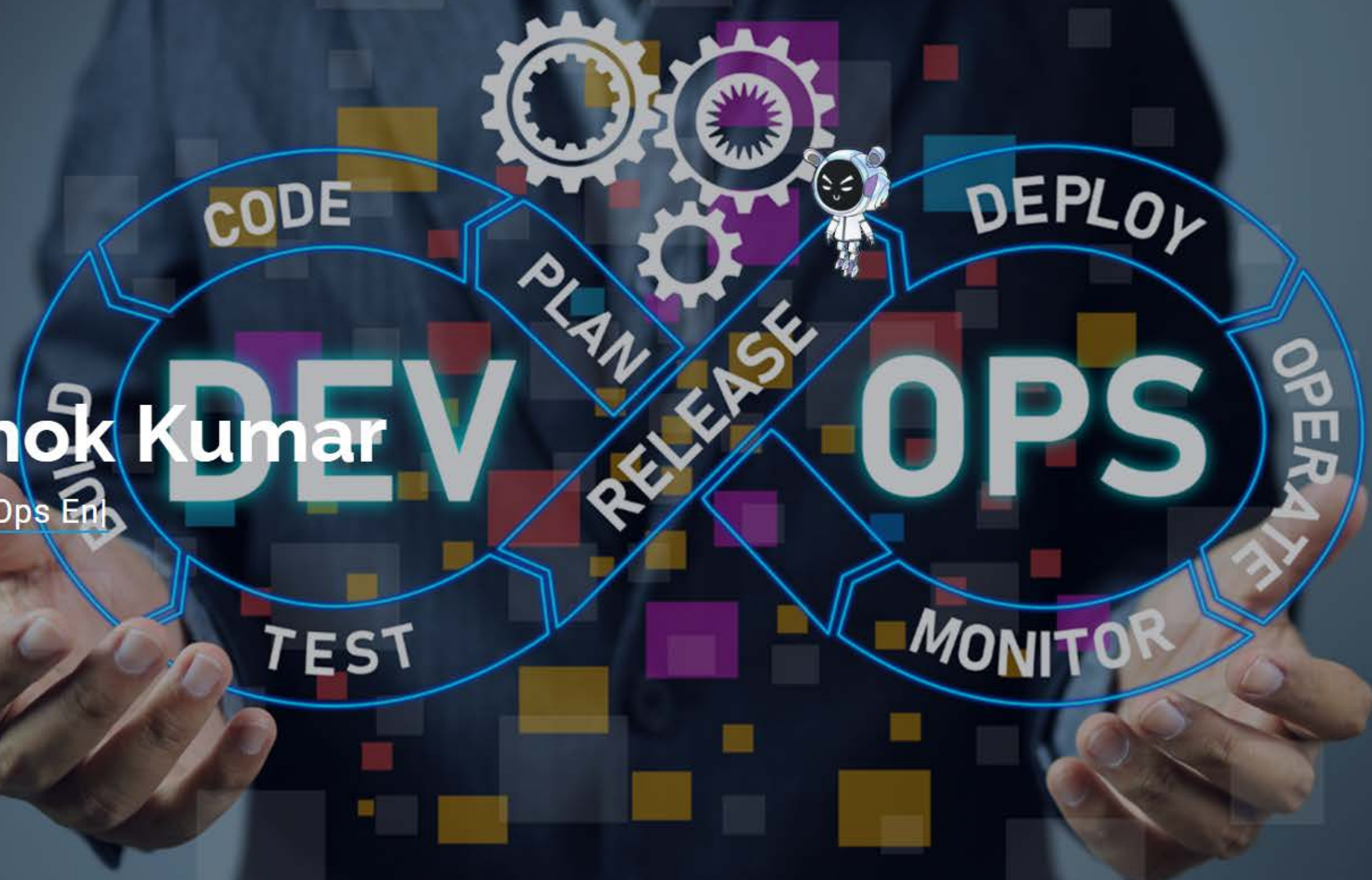
About

Resume

Contact

Ashok Kumar

I'm DevOps Eng





✍️ Compose

📁 Inbox

★ Starred

🕒 Snoozed

📌 Important

📤 Sent

📧 Drafts

📁 Categories

⌵ More

Labels +

📁 Personal

⌵ More

Jenkins Build Notification: jenkins task2 #1 📁 Inbox x



ashoksulthan21@gmail.com

to me ▾

Build Status: SUCCESS

Project: jenkins task2

Build Number: 1

Build URL: <http://3.110.103.255:8080/job/jenkins task2/1/>

9:52 AM (6 minutes ago)



↩ Reply

➡ Forward

