

Jenkins Task

Task Description:

Launch jenkins and explore creating projects and users.

Techstacks needs to be used :

- AWS EC2
- Jenkins

Screenshots:

Google Drive Link :

https://docs.google.com/document/d/1acGxf7bIZ9Dp8Gq5yvqhX2jfIKYIMDUrRh_aasUV09I4/edit?usp=sharing

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#LaunchInstances:

Network settings

Network [Info](#)

vpc-0cbf98ff07a19c768

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☐ Create security group ☒ Select existing security group

Common security groups [Info](#)

Select security groups

Jenkins-SG sg-0d52702ef6edb4e13 [X](#)
VPC: vpc-0cbf98ff07a19c768

[Compare security group rules](#)

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Configure storage

[Advanced](#)

1x 8 GiB gp2 Root volume, Not encrypted

Summary

Number of instances [Info](#)

1

Software Image (AMI)

Canonical, Ubuntu, 22.04, amd64...[read more](#)
ami-0ec1b4a8f92e7bd1

Virtual server type (instance type)

t2.micro

Firewall (security group)

Jenkins-SG

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

[Cancel](#) [Launch instance](#) [Preview code](#)

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#SecurityGroups:

Security Groups (1/8)

[Find security groups by attribute or tag](#)

| <input type="checkbox"/> | Name | Security group ID | Security group name | VPC ID | Description |
|-------------------------------------|------------|----------------------|---------------------|-----------------------|----------------------------|
| <input type="checkbox"/> | - | sg-051d5b41e14ef4306 | default | vpc-0cbf98ff07a19c768 | default VPC security group |
| <input type="checkbox"/> | - | sg-07d40a661cbbcd3dc | DockerMySQL | vpc-0cbf98ff07a19c768 | DockerMySQL |
| <input checked="" type="checkbox"/> | Jenkins-SG | sg-0d52702ef6edb4e13 | Jenkins-SG | vpc-0cbf98ff07a19c768 | Jenkins-SG |

sg-0d52702ef6edb4e13 - Jenkins-SG

[Details](#) [Inbound rules](#) [Outbound rules](#) [Sharing - new](#) [VPC associations - new](#) [Tags](#)

Inbound rules (4)

[Manage tags](#) [Edit inbound rules](#)

| <input type="checkbox"/> | Name | Security group rule ID | IP version | Type | Protocol | Port range | Source |
|--------------------------|------|------------------------|------------|------------|----------|------------|-----------|
| <input type="checkbox"/> | - | sg-0449e475f3952abfd | IPv4 | SSH | TCP | 22 | 0.0.0.0/0 |
| <input type="checkbox"/> | - | sg-08b05f463112f84df | IPv4 | HTTPS | TCP | 443 | 0.0.0.0/0 |
| <input type="checkbox"/> | - | sg-0f4c8ccd6242a92ba | IPv4 | Custom TCP | TCP | 8080 | 0.0.0.0/0 |
| <input type="checkbox"/> | - | sg-0610b527639b6cc1b | IPv4 | HTTP | TCP | 80 | 0.0.0.0/0 |

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:v=3,\$case=tags:true%5C,client:false,\$regex=tags:fa...

EC2 > Instances

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... |
|-----------------|---------------------|----------------|---------------|--------------|---------------|-------------------|--------------------------|-----------------|
| Jenkins Task 01 | i-012ac41b17439d64a | Running | t2.micro | Initializing | View alarms + | us-west-2a | ec2-35-95-38-210.us-w... | 35.95.38.210 |

i-012ac41b17439d64a (Jenkins Task 01)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID
i-012ac41b17439d64a

Public IPv4 address
35.95.38.210 | open address

Private IPv4 addresses
172.31.22.231

Public DNS
ec2-35-95-38-210.us-west-2.compute.amazonaws.com | open address

Instance state
Running

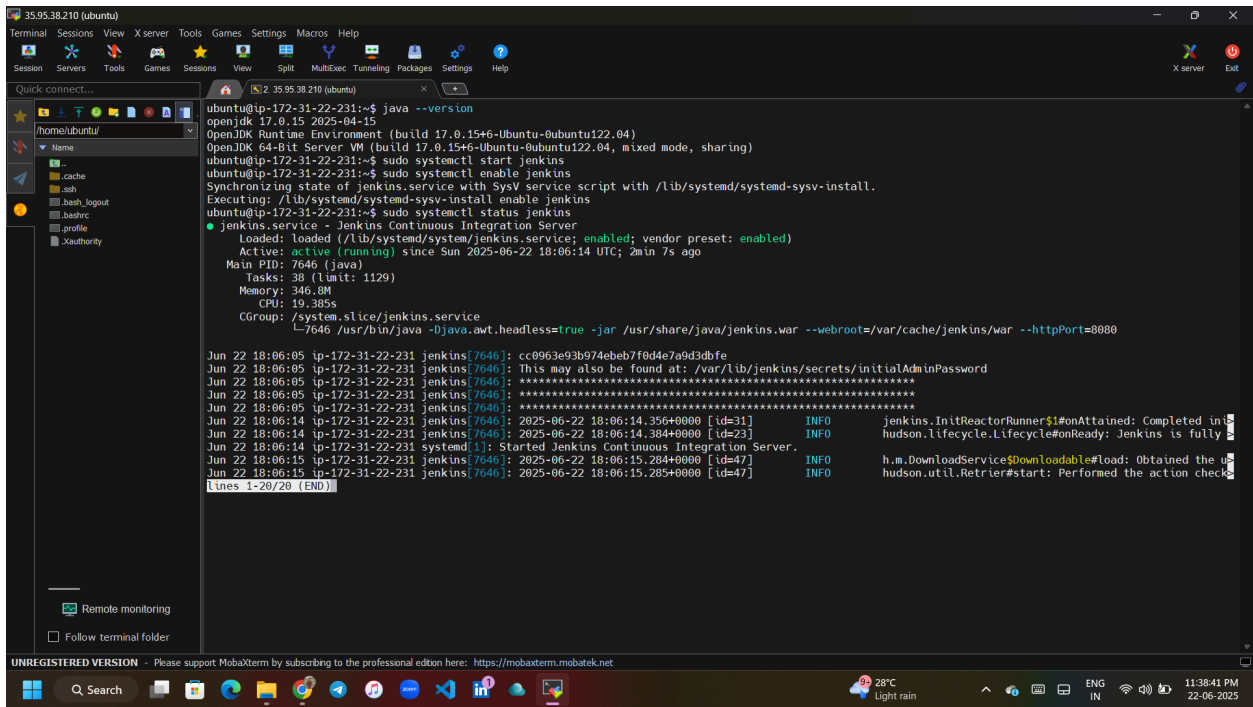
Private DNS name (IPv4 only)

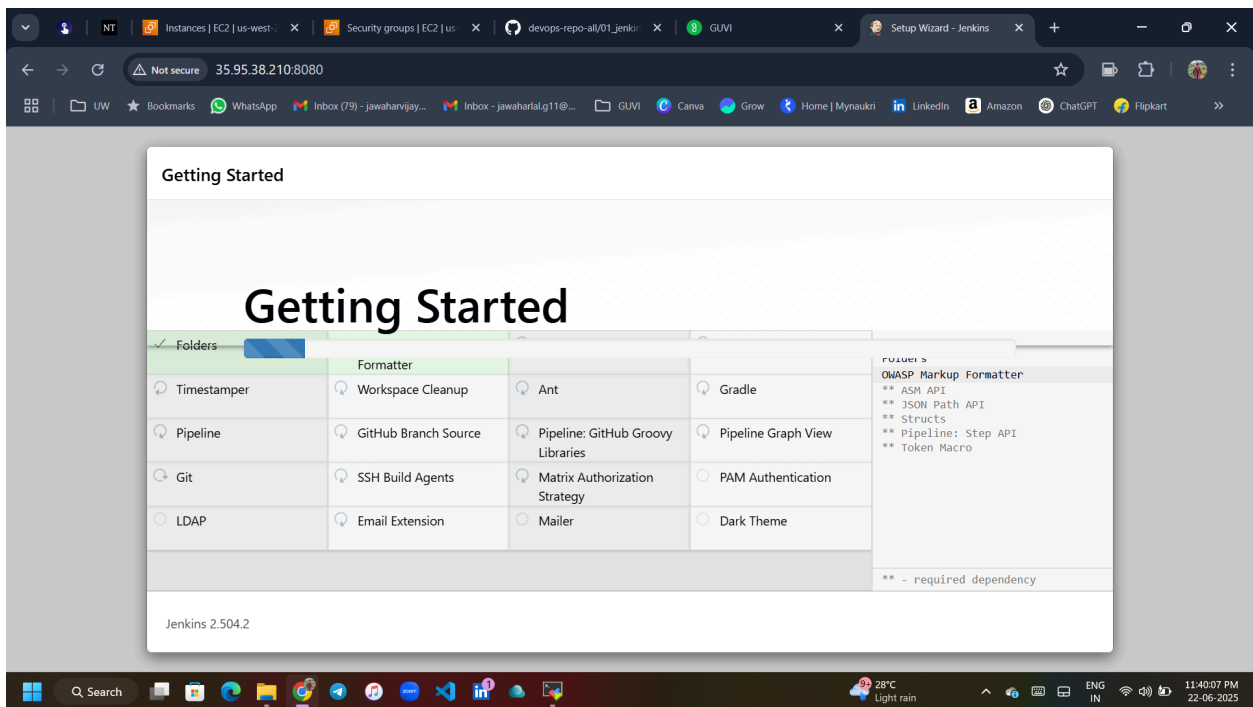
CloudShell Feedback

35.95.38.210 (ubuntu)

```
ubuntu@ip-172-31-22-231:~$ hostname
ip-172-31-22-231
ubuntu@ip-172-31-22-231:~$ sudo apt update -y
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:6 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2659 kB]
Get:12 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [428 kB]
Get:13 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [3695 kB]
Get:14 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [658 kB]
Get:15 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1215 kB]
Get:16 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [300 kB]
Get:17 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [28.7 kB]
Get:18 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [46.5 kB]
Get:19 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [11.8 kB]
Get:20 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:21 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [68.8 kB]
Get:22 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.4 kB]
Get:23 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [392 B]
Get:24 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:25 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [30.0 kB]
Get:26 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:27 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [672 B]
Get:28 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:29 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [2410 kB]
Get:30 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [363 kB]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [3564 kB]
91% [31 Packages 1036 kB/3564 kB 52%]
243 kB/s 14s
```

UNREGISTERED VERSION - Please support MobaxTerm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>





Dashboard >

+ New Item

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

0/2

Jenkins

35.95.38.210:8080

log out

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

Dashboard > Manage Jenkins > Jenkins' own user database

Users 1

Create User

These users can log into Jenkins. This is a sub set of [this list](#), which also contains auto-created users who really just made some commits on some projects and have no direct Jenkins access.

| User ID ↓ | Name |
|-----------|------------|
| Admin | Jawaharlal |

Jenkins 2.504.2

Dashboard > Jenkins Task 01 > Configuration

Configure

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

General

Description

This is a simple Freestyle Project to print Hello World.

Plain text [Preview](#)

☐ Discard old builds ?

☐ GitHub project

☐ This project is parameterized ?

☐ Throttle builds ?

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

Dashboard > Jenkins Task 01 >

Jenkins Task 01

[Edit description](#)

This is a simple Freestyle Project to print Hello World.

Permalinks

- Status
- Changes
- Workspace
- Build Now
- Configure
- Delete Project
- Rename

Builds

No builds

The screenshot displays the Jenkins web interface in a browser. The top navigation bar shows the Jenkins logo and the job name 'Jenkins Task 01'. The main content area shows the build status for job #1, which is successful (green checkmark). The build was started by user 'Jawaharlal' and completed in 0.13 seconds. The console output shows 'No changes.' The bottom status bar indicates the REST API and Jenkins version 2.504.2.

Dashboard > Jenkins Task 01 > #1 > Console Output

Status

Changes

Console Output

Edit Build Information

Delete build '#1'

Timings

Console Output

Download Copy View as plain text

```
Started by user Jawaharlal
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Jenkins Task 01
[Jenkins Task 01] $ /bin/sh -xe /tmp/jenkins4723105232058527705.sh
+ echo Hello, Jenkins Freestyle Project!
Hello, Jenkins Freestyle Project!
+ echo GUVI - Jenkins Task 01 - Jawahar!
GUVI - Jenkins Task 01 - Jawahar!
+ date
Sun Jun 22 18:21:38 UTC 2025
Finished: SUCCESS
```

REST API Jenkins 2.504.2

35.95.38.210:8080/job/Jenkins%20Task%2001/1/consoleText

```
Started by user Jawaharlal
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Jenkins Task 01
[Jenkins Task 01] $ /bin/sh -xe /tmp/jenkins4723105232058527705.sh
+ echo Hello, Jenkins Freestyle Project!
Hello, Jenkins Freestyle Project!
+ echo GUVI - Jenkins Task 01 - Jawahar!
GUVI - Jenkins Task 01 - Jawahar!
+ date
Sun Jun 22 18:21:38 UTC 2025
Finished: SUCCESS
```