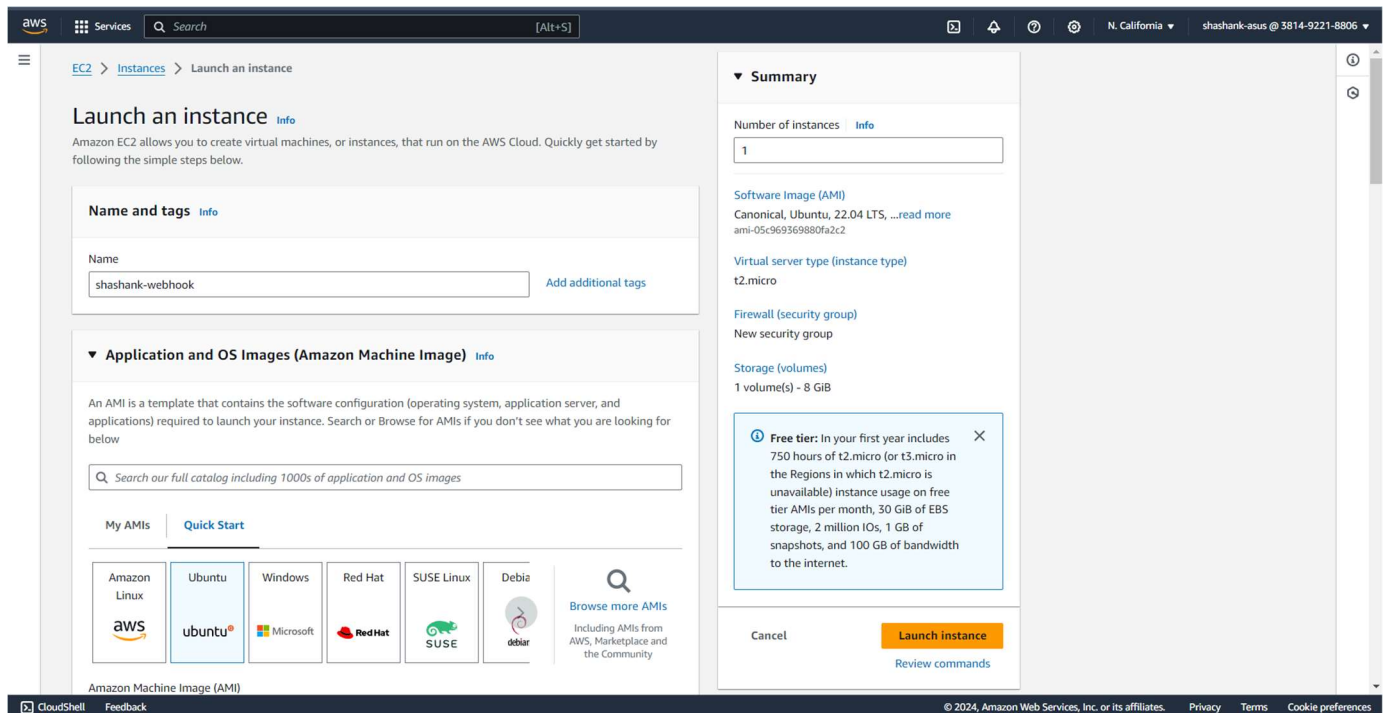Task
Webhook On Jenkins

Name- Shashank Sharma

1. Create EC2 instance & install the Jenkins.


```
sudo wget -O /usr/share/keyrings/jenkins-
  keyring.asc \
  https://pkg.jenkins.io/debian-
  stable/jenkins.io-2023.key
echo deb [signed-
  by=/usr/share/keyrings/jenkins-keyring.asc] \
  https://pkg.jenkins.io/debian-stable binary/ |
  sudo tee \
  /etc/apt/sources.list.d/jenkins.list
> /dev/nullsudo apt-get update
sudo apt-get install jenkins
```

2. Create the node (Webhook)

      a. Add the Node IP address & Credentials.

Jenkins

Search (CTRL+K) · shashank · log out

Name ?

webhooks

Description ?

Plain text **Preview**

Number of executors ?

1

Remote root directory ?

/home/ubuntu

Labels ?

agent1

Usage ?

Use this node as much as possible

Launch method ?

Launch agents via SSH

> **Host** ?
>
> 52.53.169.112
>
> **Credentials** ?
>
> ubuntu (webhook)
>
> + Add ▾
>
> **Host Key Verification Strategy** ?
>
> Non verifying Verification Strategy   ?
>
> Advanced ⌄

Availability ?

Keep this agent online as much as possible   ?

Node Properties

☐ Disable deferred wipeout on this node ?
☐ Disk Space Monitoring Thresholds
☐ Environment variables
☐ Tool Locations

Save

3. Create the Pipeline.

Dashboard > webhooks > Configuration

Configure

General

⚙ General

🔧 Advanced Project Options

⌁ Pipeline

Enabled ✓

Description

webhook

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 ?

https://github.com/shashanksharma1309/jenkins-tasks.git

Advanced ⌄

Dashboard > webhooks > Configuration

Configure

⚙ General

🔧 Advanced Project Options

⌁ Pipeline

Build Triggers

☐ Build after other projects are built ?

☐ Build periodically ?

☑ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

☐ Quiet period ?

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

Configure

Pipeline

Definition

Pipeline script   ∨

Script ?

```
 1▾  pipeline{
 2▾      agent {
 3           label "agent1"
 4       }
 5
 6▾      stages{
 7▾          stage("Webhook-Pratical"){
 8▾              steps{
 9                   git branch: "main", url: "https://github.com/shashanksharma1309/jenkins-tasks.git"
10               }
11           }
12       }
13   }
```

try sample Pipeline... ∨

✅ Use Groovy Sandbox ?

Pipeline Syntax

4. Pipeline script.

```
pipeline{
   agent {
      label "agent1"
   }


   stages{
      stage("Webhook-Pratical"){
         steps{
            git branch: "main", url: " https://github.com/shashanksharma1309/jenkins-tasks.git"
         }
      }
   }
}
```

5. Add IP address on Github Repository Webhook

Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in our developer documentation.

Payload URL *

http://54.172.248.141:8080/github-webhook/

Content type

application/json

Secret

Which events would you like to trigger this webhook?

⦿ Just the push event.

○ Send me everything.

6. Changes in Github Repository on Jenkins automatically build.

Dashboard > Webhook >

Q Full Stage View

GitHub

Rename

Pipeline Syntax

GitHub Hook Log

Webhook-Pratical

Average stage times:
(Average full run time: ~3s)   1s

#6 Mar 26 1 commit 436ms
    11:47

Build History   trend

Q Filter...

#5 Mar 26 No Changes 407ms
    11:45

⊘ #6 26 Mar 2024, 06:17
⊘ #5 26 Mar 2024, 06:16
⊘ #4 26 Mar 2024, 06:13   #4 Mar 26 1 commit 510ms
                                11:43
⊘ #3 26 Mar 2024, 06:11
⊘ #2 26 Mar 2024, 06:11   #3 Mar 26 1 commit 799ms
                                11:41
⊘ #1 26 Mar 2024, 06:10

Atom feed for all Atom feed for failures

#2 Mar 26 1 commit 555ms
    11:41

#1 Mar 26 No Changes 7s
    11:40

Permalinks