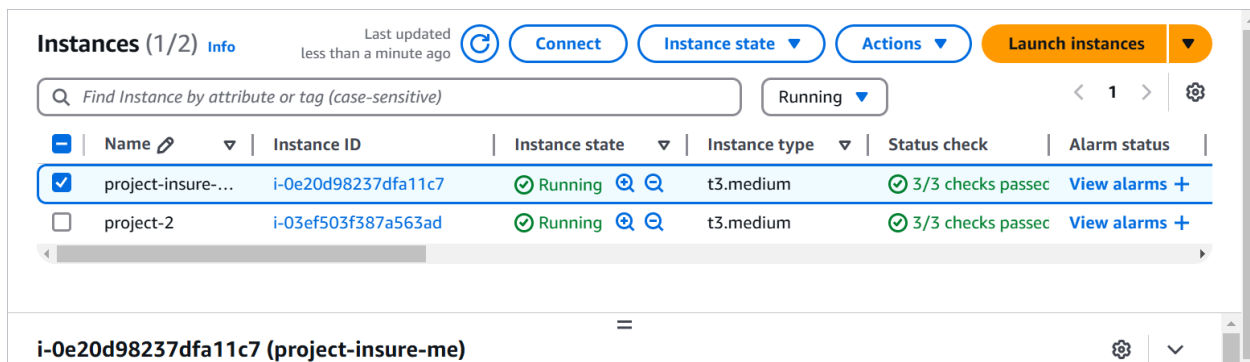


# Insure Me Insurance

Certification Project – Insurance project  
Submitted by- Shivam Pandey  
Submitted to-Vikul Date of submission-18/1/2025

## Step-1 Created two ec2 instances



The screenshot displays the AWS Management Console 'Instances' page. It shows two EC2 instances, both in a 'Running' state. The first instance is named 'project-insure-me' with ID 'i-0e20d98237dfa11c7'. The second instance is named 'project-2' with ID 'i-03ef503f387a563ad'. Both instances are of type 't3.medium' and have '3/3 checks passed'. The console includes a search bar, filters, and a table of instance details.

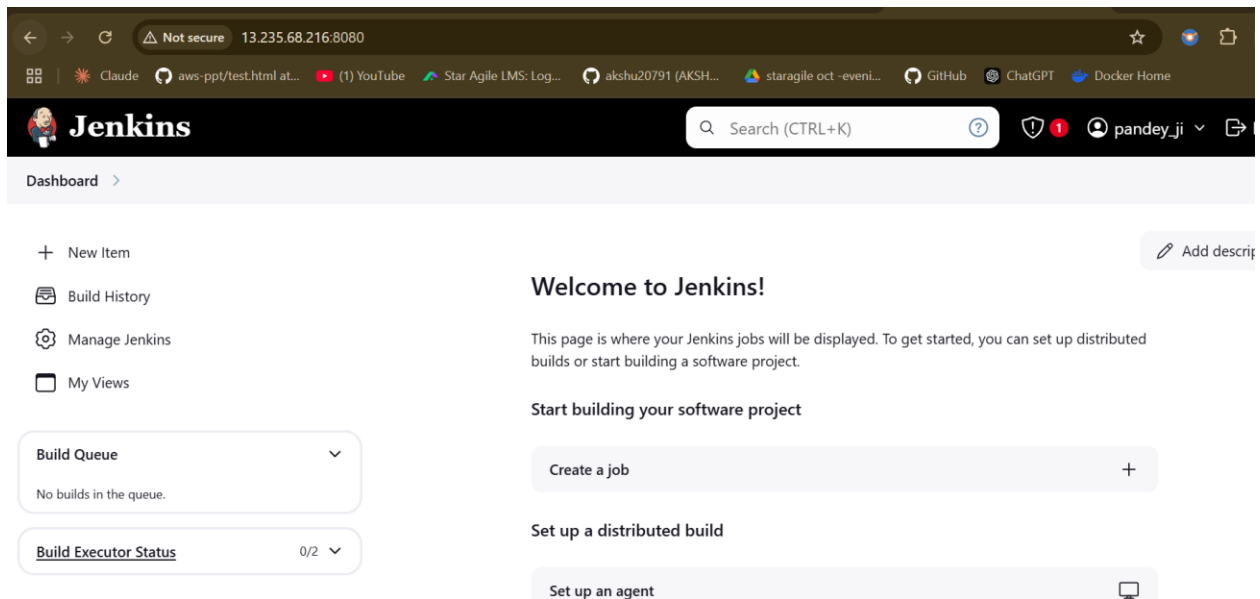
Name	Instance ID	Instance state	Instance type	Status check	Alarm status
project-insure-me	i-0e20d98237dfa11c7	Running	t3.medium	3/3 checks passed	View alarms +
project-2	i-03ef503f387a563ad	Running	t3.medium	3/3 checks passed	View alarms +

## Step-2 Connect master server and install Jenkins and connect through ip

```
root@ip-172-31-6-148:/home/ubuntu# history
1  wget https://raw.githubusercontent.com/amanpandey8120/Deployment-script/refs/heads/main/jenkins.sh
2  chmod 700 jenkins.sh
3  ./jenkins.sh
```

**i-0e20d98237dfa11c7 (project-insure-me)**

PublicIPs: 13.235.68.216 PrivateIPs: 172.31.6.148



Step-3 In the master server install docker.io and to connect it with Jenkins run command `sudo usermod -aG docker jenkins` and restart the jenkins

```
3 apt install -y docker.io
4 apt install -y docker.io
5 sudo usermod -aG docker jenkins
6 service jenkins restart
7 history
root@ip-172-31-6-148:/home/ubuntu#
```

**i-0e20d98237dfa11c7 (project-insure-me)**

PublicIPs: 13.235.68.216 PrivateIPs: 172.31.6.148

Step-4 go to the dashboard click on new items creates new pipeline

## New Item

Enter an item name

banking-project2

Select an item type



### Freestyle project

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



### Pipeline

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

Step-5 in the first time build write script to clone the code and build the code

Script ?

```
1 pipeline {
2   agent any
3
4   stages {
5     stage('Git Checkout') {
6       steps {
7         git url: 'https://github.com/amanpandey8120/star-agile-insurance-project.git'
8       }
9     }
10    stage('Build the Code') {
11      steps {
12        sh 'mvn clean package'
13      }
14    }
15  }
16 }
17
```

☒ Use Groovy Sandbox ?

[Pipeline Syntax](#)

Step-6 I already created docker images or this code ,using same image created container

Script ?

```
4 stages {
5   stage('Git Checkout') {
6     steps {
7       git url: 'https://github.com/amanpandey8120/star-agile-insurance-project.git'
8     }
9   }
10  stage('Build the Code') {
11    steps {
12      sh 'mvn clean package'
13    }
14  }
15  stage('creation of container') {
16    steps {
17      sh 'docker run -d -p 8081:8082 --name insureme-container amanpandey123/insureme'
18    }
19  }
20 }
```

☒ Use Groovy Sandbox ?

Pipeline Syntax



## Step-7 install ansible plugins

Q ansible

Install Name ↓

Rele:



Ansible 403.v8d0ca\_dcb\_b\_502

pipeline External Site/Tool Integrations DevOps Build Tools Deployment

Invoke [Ansible](#) Ad-Hoc commands and playbooks.

This plugin is up for adoption! We are looking for new maintainers. Visit our [Adopt a Plugin](#) initiative for more information.

7 mo

## Step-8 Also install in machine

```
root@ip-172-31-6-148:/home/ubuntu# history
1  wget https://raw.githubusercontent.com/amanpandey8120/Deployment-script/refs/heads/main/jenkins.sh
2  chmod 700 jenkins.sh
3  ./jenkins.sh
4  apt install -y docker.io
5  sudo usermod -aG docker jenkins
6  service jenkins restart
7  history
8  sudo apt update
9  sudo apt install software-properties-common
10 sudo add-apt-repository --yes --update ppa:ansible/ansible
11 sudo apt install ansible
12 ansible --version
13 history
root@ip-172-31-6-148:/home/ubuntu#
```

**i-0e20d98237dfa11c7 (project-insure-me)**

PublicIPs: 13.235.68.216 PrivateIPs: 172.31.6.148

## Step-9 Add demo-grp and public ip of my second instance in the hosts file and restart the server

```
root@ip-172-31-6-148:/home/ubuntu# service jenkins restart
root@ip-172-31-6-148:/home/ubuntu# service jenkins restart
root@ip-172-31-6-148:/home/ubuntu# cd /etc/ansible
root@ip-172-31-6-148:/etc/ansible# sudo vi hosts
root@ip-172-31-6-148:/etc/ansible# service jenkins restart
```

**i-0e20d98237dfa11c7 (project-insure-me)**

PublicIPs: 13.235.68.216 PrivateIPs: 172.31.6.148

## Step-10 Fill all the details configure hosts ,path and private key generate this key

Extra parameters

Generate Pipeline Script

ansiblePlaybook become: true, credentialsId: 'ansible', installation: 'ansible', inventory: '/etc/ansible/hosts', playbook: 'ansible-playbook.yml', vaultTmpPath: "

### Global Variables

There are many features of the Pipeline that are not steps. These are often exposed via global variables, which are not supported by the

And add in the script apply and save and then build it

Script ?

```
13      }
14    }
15    stage('creation of container') {
16      steps {
17        sh 'docker run -d -p 8081:8082 --name insureme-container amanpandey123/insureme'
18      }
19    }
20    stage('invoking ansible playbook') {
21      steps {
22        echo 'running the playbook on test server'
23        ansiblePlaybook become: true, credentialsId: 'ansible', installation: 'ansible', inventory: '/e
24      }
25    }
26  }
27 }
28
29
```

☒ Use Groovy Sandbox ?

Pipeline Syntax

Save

Apply

Claude

aws-ppt/test.html at...

(1) YouTube

Star Agile LMS: Log...

akshu20791 (AKSH...

staragile oct-eveni...

GitHub

ChatGPT

Docker Hub

Jenkins

Search (CTRL+K)

pandey\_ji

log out

Dashboard > Insurance-me > #4

Status

Changes

Console Output

Edit Build Information

Delete build '#4'

Timings

Git Build Data

Pipeline Overview

Pipeline Console

Restart from Stage

Console Output

Download

Copy

View as plain text

Started by user pandey\_ji

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in /var/lib/jenkins/workspace/Insurance-me

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Clone Repository)

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Insurance-me/.git # timeout=10

Fetching changes from the remote Git repository

> git config remote.origin.url https://github.com/amanpandey8120/star-agile-insurance-project.git #

timeout=10

Fetching upstream changes from https://github.com/amanpandey8120/star-agile-insurance-project.git



And successfully deploy on the test server

Insure-me project complete