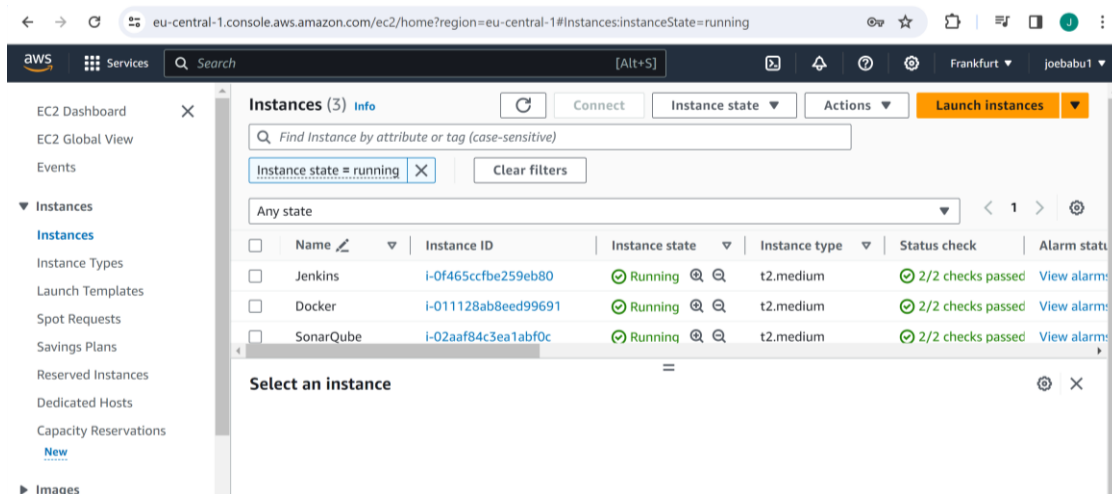# Screenshots for Build Management and Continuous Integration and Continuous Development in Jenkins for MaswaliYote Quiz Management System
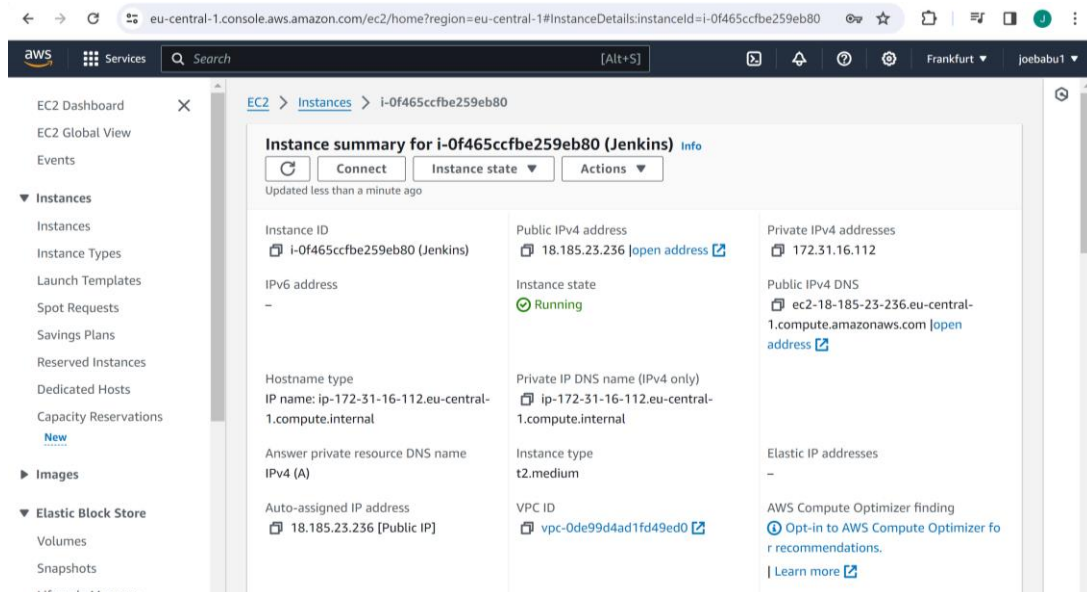
Background

The Jenkins server was hosted on AWS EC2 instance that runs on a Linux Ubuntu platform. Configuration and manipulation of the Jenkins server was done through SSH on a Linux command-based machine. The AWS EC2 instance allocated Jenkins a Public IP address for easier access. Jenkins uses port 8080 which had to be given access on the Jenkins server.
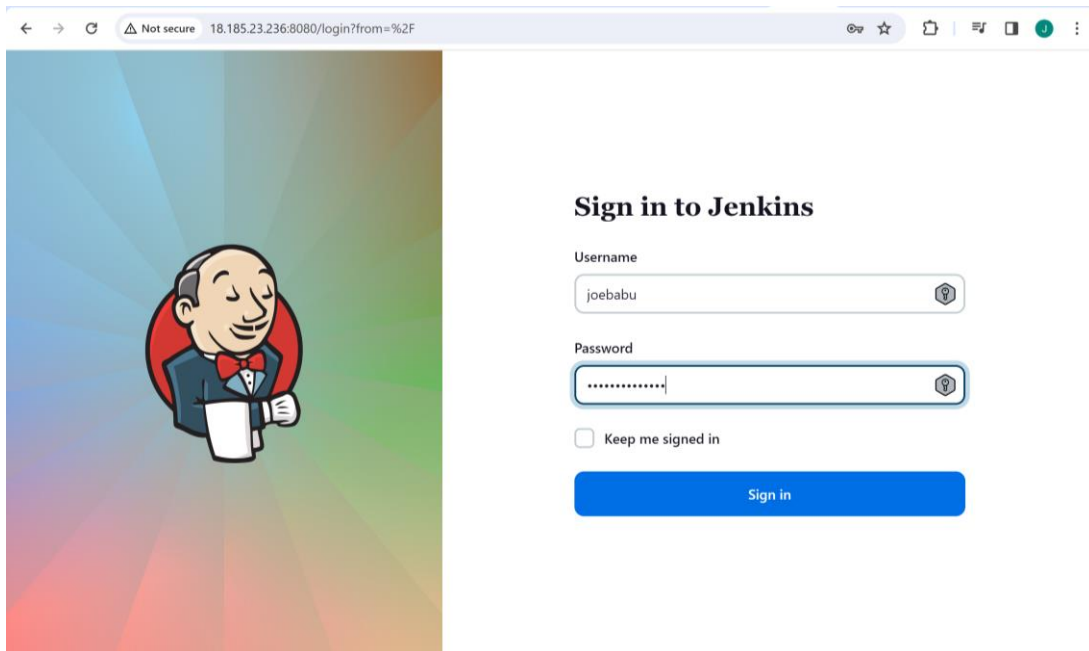
a) AWS EC2 instances created

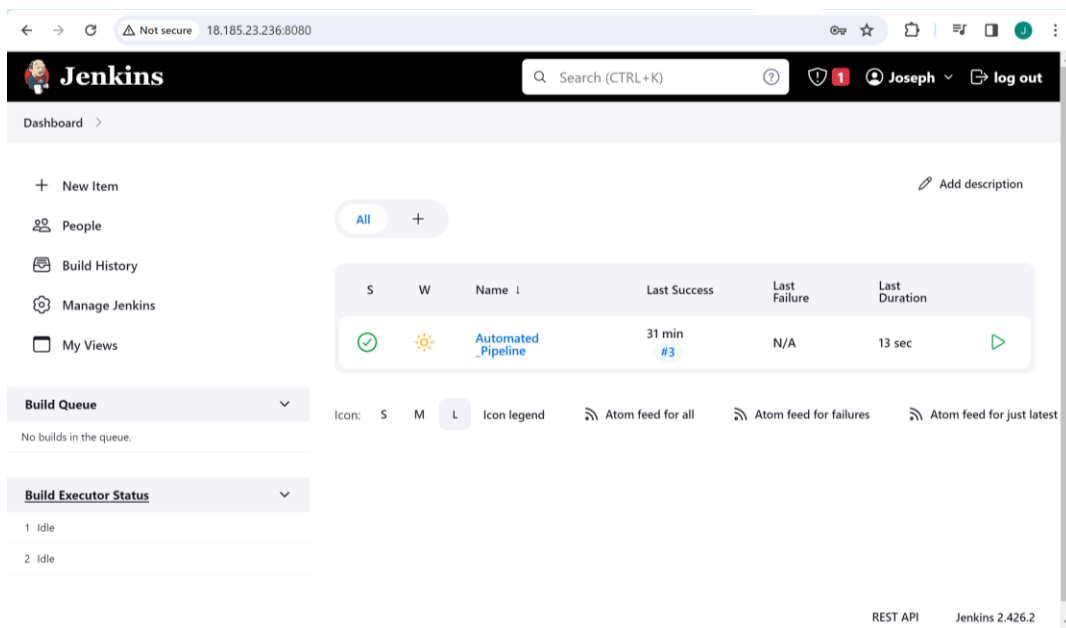b) Jenkins Public IP address Page
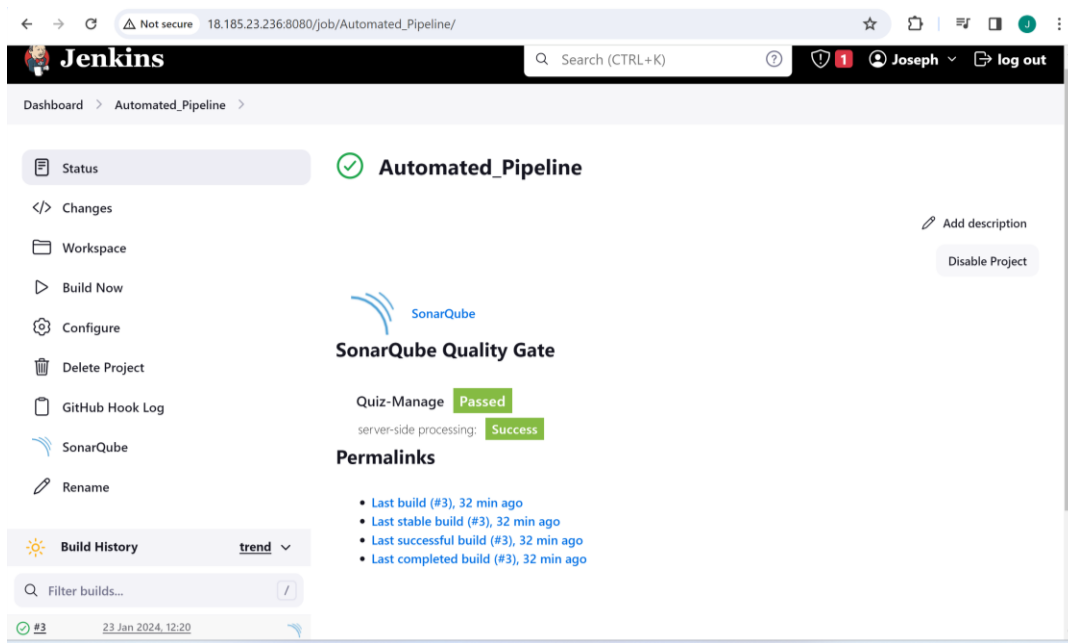
Accessing Jenkins through the IP Address

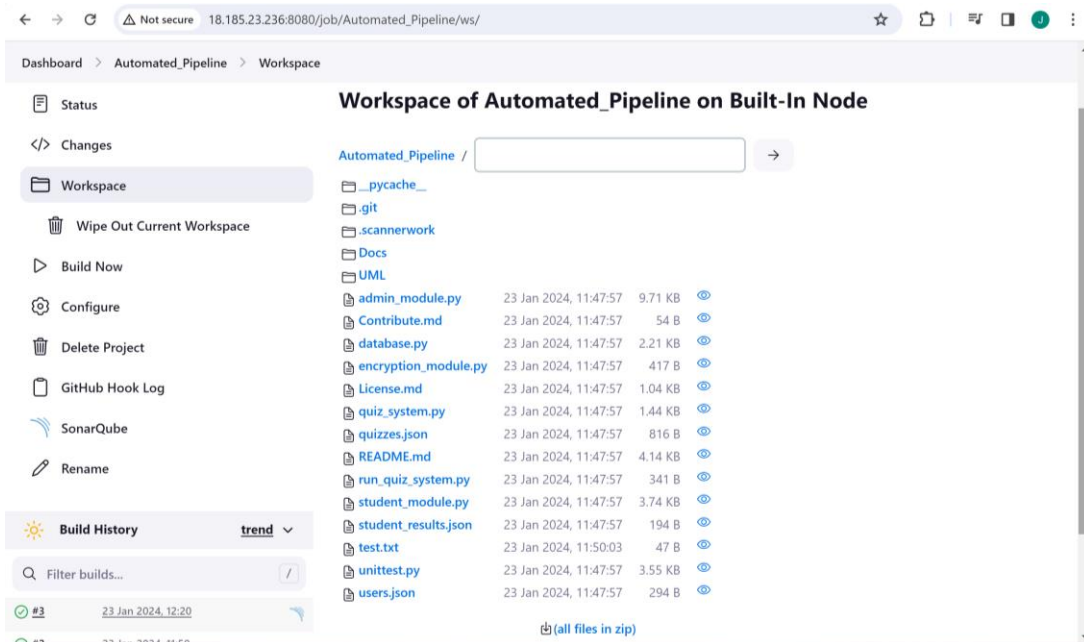1. Jenkins login page after accessing through the public IP address provided by AWS EC2 instance

2. Jenkins Landing page – My Dashboard

3. I created a pipeline called "***Automated_Pipeline***" to use for my project. The Build was successful as shown below

4. The Workspace page – shows all the files in my GitHub repository

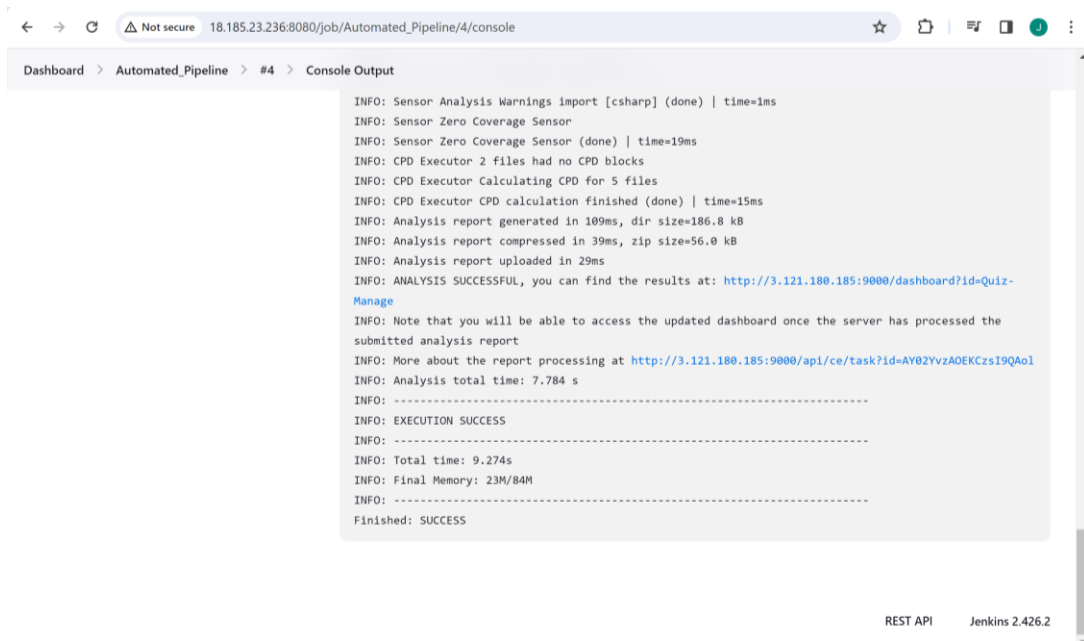5. Status page – Shows the last successful build

6. The console output after a successful build – Part 1

7. The console output after a successful build – Last Part


```
INFO: Sensor Analysis Warnings import [csharp] (done) | time=1ms
INFO: Sensor Zero Coverage Sensor
INFO: Sensor Zero Coverage Sensor (done) | time=19ms
INFO: CPD Executor 2 files had no CPD blocks
INFO: CPD Executor Calculating CPD for 5 files
INFO: CPD Executor CPD calculation finished (done) | time=15ms
INFO: Analysis report generated in 109ms, dir size=186.8 kB
INFO: Analysis report compressed in 39ms, zip size=56.0 kB
INFO: Analysis report uploaded in 29ms
INFO: ANALYSIS SUCCESSFUL, you can find the results at: http://3.121.180.185:9000/dashboard?id=Quiz-Manage
INFO: Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
INFO: More about the report processing at http://3.121.180.185:9000/api/ce/task?id=AY02YvzAOEKCzsI9QAol
INFO: Analysis total time: 7.784 s
INFO: ------------------------------------------------------------------------
INFO: EXECUTION SUCCESS
INFO: ------------------------------------------------------------------------
INFO: Total time: 9.274s
INFO: Final Memory: 23M/84M
INFO: ------------------------------------------------------------------------
Finished: SUCCESS
```

REST API   Jenkins 2.426.2