

Task 1

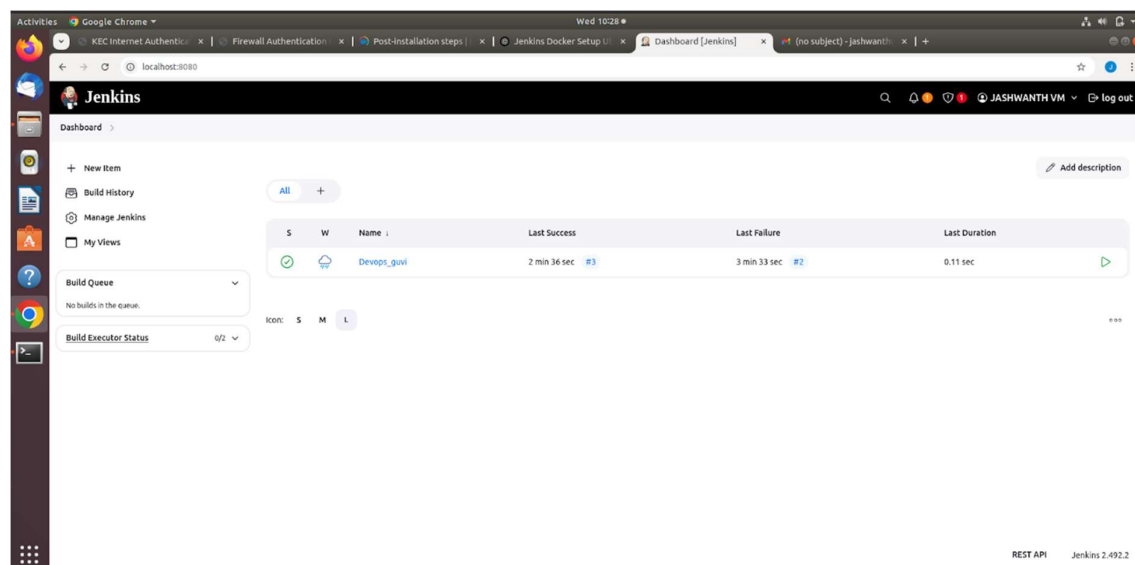
Installing and Configuring Nginx using Jenkins

In this assignment, I used **Jenkins** to automate the installation and configuration of **Nginx** on an Ubuntu system. I created a **Freestyle Project** in Jenkins and added a shell script in the build step to:

1. **Update package lists** using `sudo apt update`.
2. **Install Nginx** using `sudo apt install -y nginx`.
3. **Enable and start the Nginx service** using `sudo systemctl enable nginx` and `sudo systemctl start nginx`.
4. **Allow HTTP traffic (port 80)** through the firewall using `sudo ufw allow 80/tcp` and `sudo ufw reload`.
5. **Verify Nginx status** using `sudo systemctl status nginx --no-pager`.

After successfully building the project in Jenkins, I accessed **Nginx's default web page** using `http://127.0.0.1:80`. Finally, I verified the installation using terminal commands and documented the process with screenshots.

OUTPUT:



Activities Google Chrome Wed 10:26

KEC Internet Authentic... Firewall Authentication... Post-Installation steps... Jenkins Docker Setup... Devops_guvi #3 Console (no subject) - jashwanth...

localhost:8080/job/Devops_guvi/1/console

Jenkins

Dashboard > Devops_guvi > #3 > Console Output

Status
Changes
Console Output
Edit Build Information
Delete build 's3'
Timings
Previous Build

Console Output

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```
Started by user JASHWANTH VM
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Devops_guvi
[Devops_guvi] $ /bin/bash /tmp/jenkins17140296506467307607.sh
sudo: no tty present and no askpass program specified
sudo: no tty present and no askpass program specified
sudo: no tty present and no askpass program specified
sudo: no tty present and no askpass program specified
sudo: no tty present and no askpass program specified
sudo: no tty present and no askpass program specified
sudo: no tty present and no askpass program specified
Nginx failed to start
Finished: SUCCESS
```

REST API Jenkins 2.492.2