GUVI JENKINS

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Task Explanation: Create a simple FreeStyle Job To Install Nginx on your server (tools:jenkins, ubuntu vm)

```
Step 1: Create and navigate to the guvi directory
mkdir guvi
cd guvi
Step 2: List the contents to confirm the directory is empty
ls
Step 3: Update the system packages
sudo apt update
Step 4: Install Java (OpenJDK 17)
sudo apt install -y fontconfig openjdk-17-jre
Step 5: Verify Java installation
java -version
Step 6: (Note: 'Java -version' should be 'java -version')
This step is redundant, but corrected for syntax
java -version
Step 7: Add Jenkins repository key and source
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/null
Step 8: Update package list and install Jenkins
sudo apt-get update
sudo apt-get install -y Jenkins
```

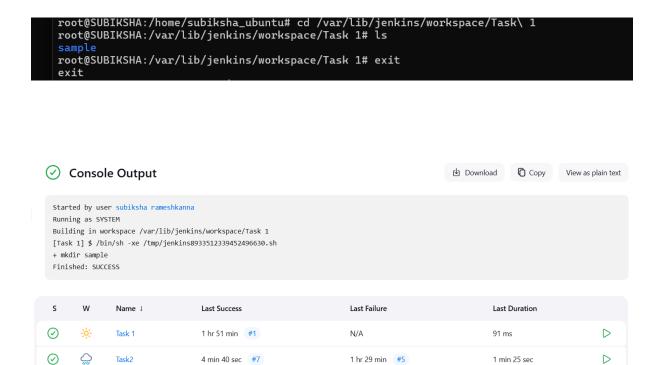
Step 9: Retrieve the initial admin password for Jenkins setup

sudo cat /var/lib/jenkins/secrets/initialAdminPassword

Step 10: Create a new directory for task1 and add description

mkdir task1

echo "This is Task 1 for Jenkins in the guvi directory." > task1/description.txt



Step 11: Task 2 - Uninstall NGINX and install using Jenkins

Uninstall NGINX
sudo systemctl disable nginx
sudo systemctl stop nginx
sudo apt remove nginx -y
sudo apt purge nginx nginx-common -y
sudo apt autoremove -y
sudo apt autoclean

To check if correctly uninstalled

```
subiksha_ubuntu@SUBIKSHA:~$ nginx -v
Command 'nginx' not found, but can be installed with:
sudo apt install nginx
```

Install NGINX using Jenkins

Create Task2 in Jenkins

Go to 'Execute Shell' and add the following commands:

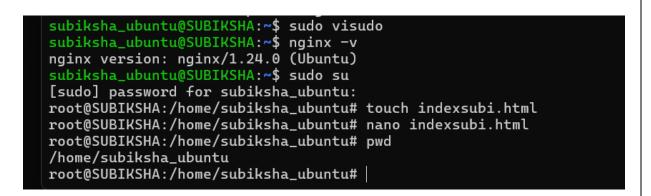
sudo apt update -y && sudo apt upgrade -y sudo apt install -y nginx sudo systemctl start nginx sudo systemctl enable nginx sudo cp /home/subiksha_ubuntu/indexsubi.html /var/www/html/index.nginx-debian.html sudo systemctl restart nginx

Modify sudoers file using visudo:
Add the following line near 'root ALL=(ALL:ALL) ALL'
jenkins ALL=(ALL) NOPASSWD:ALL
Finally, click 'Build Now' in Jenkins to execute the task.



Permalinks

- Last build (#7), 10 min ago
- Last stable build (#7), 10 min ago
- Last successful build (#7), 10 min ago
- Last failed build (#5), 1 hr 34 min ago
- Last unsuccessful build (#5), 1 hr 34 min ago
- Last completed build (#7), 10 min ago



Add description

