

DEVOPS TASK - 1

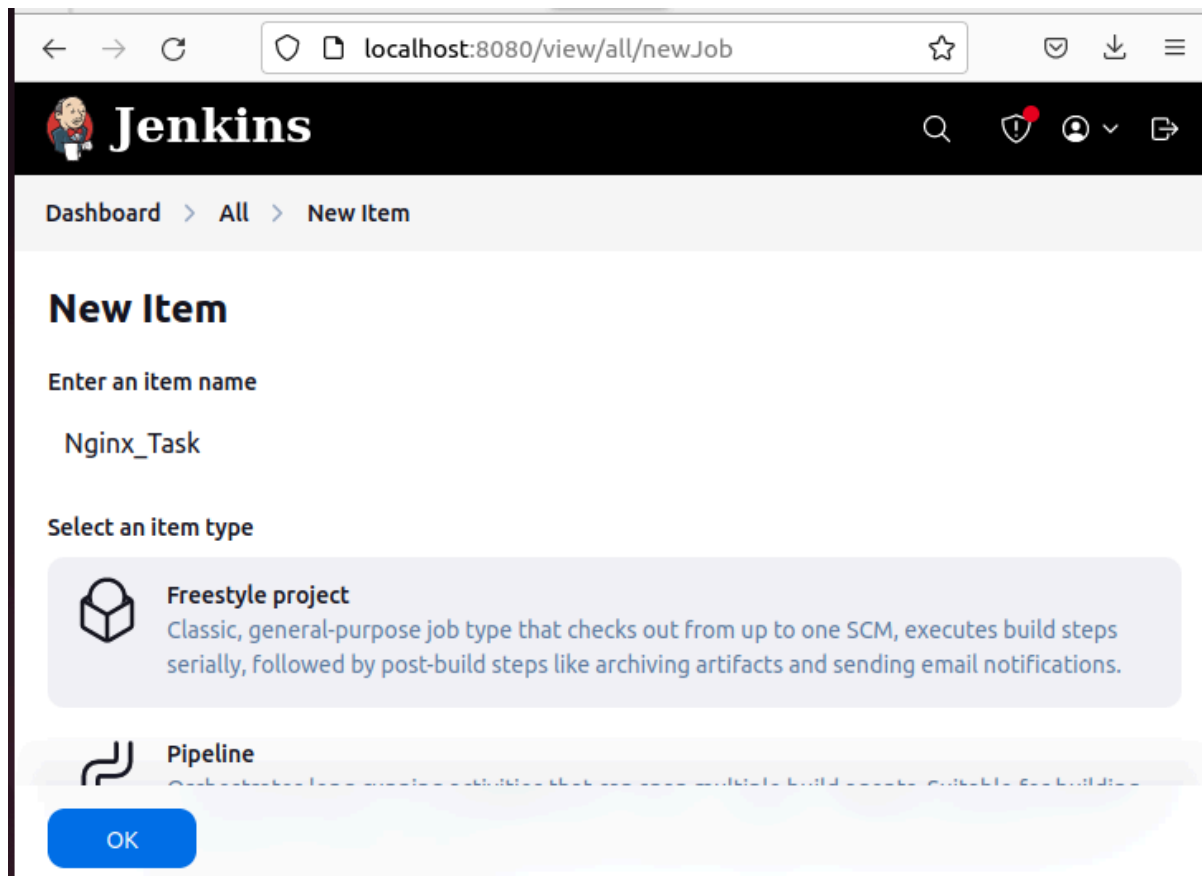
Step 1: Open Oracle virtual Box and open the terminal

Step 2: Enter the username(su) and password(changeme)

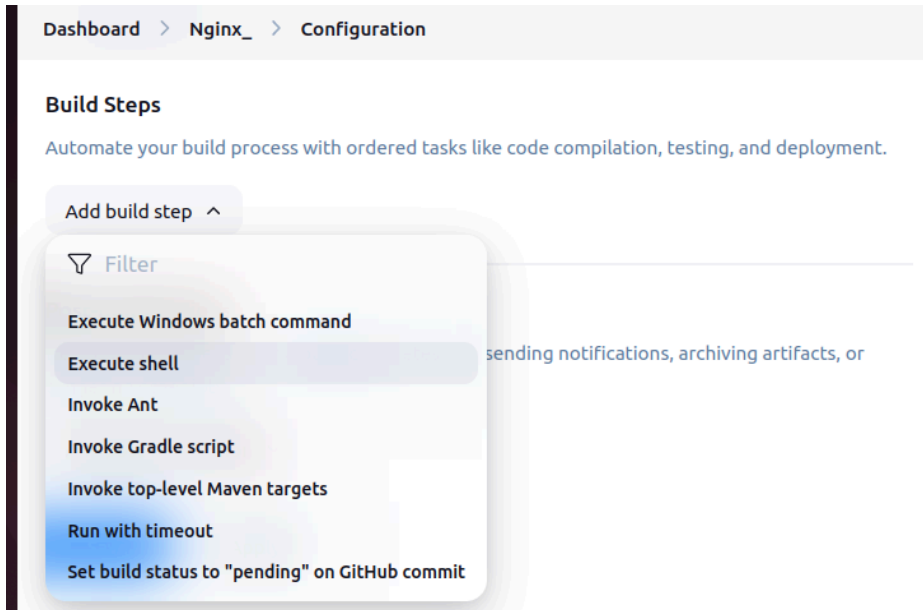
Step 3: Give "sudo su -" to switch to the root user within a login shell.

Step 4: Open jenkins and click on new item as "Nginx-Task"

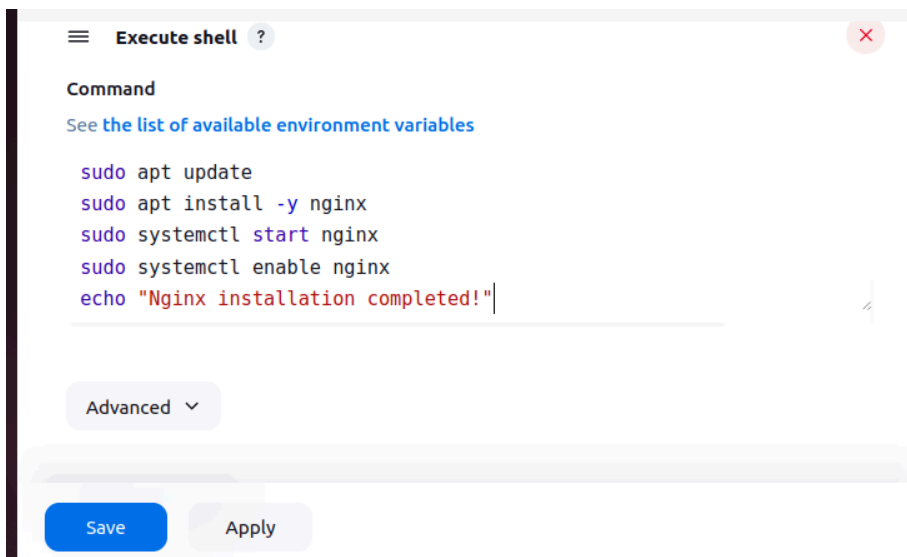
Step 5: Select the item type as "FreeStyle Project"



Step 6: Go to Build Steps and choose Execute Shell from Add build steps.



Step 7: Give the commands



Step 8: Then click on "Save" .

Step 9: Click "Build now".

Step 10: Go to console output, I faced a sudo password related error.

Step 11: In the terminal give "visudo"

Step 12: Add "jenkins ALL=(ALL) NOPASSWD: ALL" , save(ctrl+X and Y) and exit.

Step 13: Run "systemctl status nginx"

Step 14: Re-run the Job by clicking "Build Now"

Step 15: Go to console output of #2.

← → ↻ localhost:8080/job/Nginx_Task1/2/console

Dashboard > Nginx_Task1 > #2 > Console Output

✓ Console Output Download Copy View as plain text

```
Started by user Kowsika J
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Nginx_Task1
[Nginx_Task1] $ /bin/bash /tmp/jenkins3519046486697350366.sh

WARNING: apt does not have a stable CLI interface. Use with caution in
scripts.

Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Hit:2 https://download.docker.com/linux/ubuntu jammy InRelease
Ign:3 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:5 https://pkg.jenkins.io/debian-stable binary/ Release
Get:6 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Reading package lists...
```

← → ↻ localhost:8080/job/Nginx_Task1/2/console

Dashboard > Nginx_Task1 > #2 > Console Output

```
Setting up libnginx-mod-http-xslt-filter (1.18.0-6ubuntu14.6) ...
Setting up libnginx-mod-http-geoip2 (1.18.0-6ubuntu14.6) ...
Setting up libnginx-mod-mail (1.18.0-6ubuntu14.6) ...
Setting up libnginx-mod-http-image-filter (1.18.0-6ubuntu14.6) ...
Setting up libnginx-mod-stream (1.18.0-6ubuntu14.6) ...
Setting up libnginx-mod-stream-geoip2 (1.18.0-6ubuntu14.6) ...
Setting up nginx-core (1.18.0-6ubuntu14.6) ...
* Upgrading binary nginx
...done.
Setting up nginx (1.18.0-6ubuntu14.6) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for ufw (0.36.1-4build1) ...
Synchronizing state of nginx.service with SysV service script with
/lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable nginx
Nginx installation completed!
Finished: SUCCESS
```

Step 16: Go to terminal and give “systemctl status nginx”

Step 18: This will give the Ip address - 10.0.2.15 , Go to firefox and type <https://10.0.2.15>

