

TASK –1

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The screenshot shows the Jenkins dashboard interface within a Firefox web browser. The browser's address bar displays 'localhost:8080'. The Jenkins dashboard includes a sidebar with navigation links: 'New Item', 'Build History', 'Manage Jenkins', and 'My Views'. The main content area features a 'Build Queue' section indicating 'No builds in the queue.' and a 'Build Executor Status' section showing '(0 of 2 executors busy)'. A table lists recent builds with columns for status (S), failure (W), name, last success, last failure, and last duration. The table contains two entries: 'item1' and 'thesi'. The 'thesi' build is currently in progress, indicated by a green circle with a white dot. The bottom right corner of the dashboard shows 'REST API' and 'Jenkins 2.492.2'.

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☁	item1	3 min 36 sec #2	11 min #1	1 min 24 sec
✓	☁	thesi	29 sec #5	53 min #3	2.1 sec

ubuntu [Running] - Oracle VM VirtualBox

Activities Firefox Web Browser Tue 15:37

Linux thesi #5 Console Welcome to nginx!

localhost:8080/job/thesi/5/console 60%

Jenkins

Dashboard > thesi > #5 > Console Output

Status Console Output Edit Build Information Delete build '#5' Timings Previous Build

Console Output

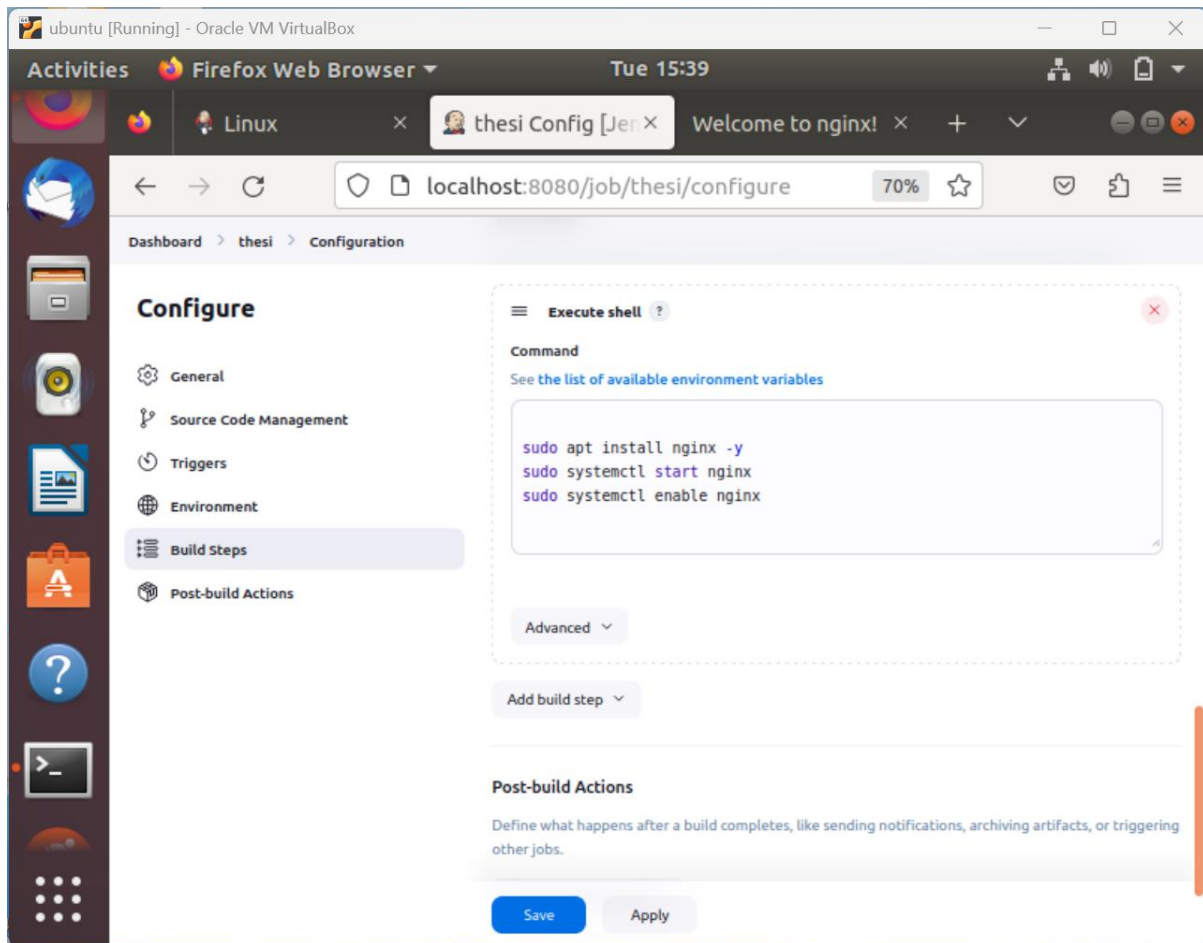
Download Copy View as plain text

```
Started by user Thesege Subramaniam
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/thesi
[thesi] $ /bin/sh -xe /tmp/jenkins8623082025958182305.sh
+ sudo apt install nginx -y

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

Reading package lists...
Building dependency tree...
Reading state information...
nginx is already the newest version (1.14.0-0ubuntu1.11).
The following packages were automatically installed and are no longer required:
  gir1.2-goa-1.0 gir1.2-snapd-1
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
+ sudo systemctl start nginx
+ sudo systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd-sysv-
install.
Executing: /lib/systemd/systemd-sysv-install enable nginx
Finished: SUCCESS
```

REST API Jenkins 2.402.2



ubuntu [Running] - Oracle VM VirtualBox

Activities Terminal Tue 15:40

root@ubuntu: ~

File Edit View Search Terminal Help

```
Mar 18 14:17:55 ubuntu jenkins[5303]: Jenkins initial setup is required. An adm
Mar 18 14:17:55 ubuntu jenkins[5303]: Please use the following password to proc
Mar 18 14:17:55 ubuntu jenkins[5303]: b82b3b1abebb4b3f9c04ef8bee4ca776
Mar 18 14:17:55 ubuntu jenkins[5303]: This may also be found at: /var/lib/jenki
Mar 18 14:17:55 ubuntu jenkins[5303]: *****
Mar 18 14:19:01 ubuntu jenkins[5303]: 2025-03-18 08:49:01.369+0000 [id=30]
Mar 18 14:19:01 ubuntu jenkins[5303]: 2025-03-18 08:49:01.443+0000 [id=23]
Mar 18 14:19:01 ubuntu systemd[1]: Started Jenkins Continuous Integration Serve
Mar 18 14:19:04 ubuntu jenkins[5303]: 2025-03-18 08:49:04.241+0000 [id=48]
Mar 18 14:19:04 ubuntu jenkins[5303]: 2025-03-18 08:49:04.242+0000 [id=48]
lines 1-18/18 (END)
root@ubuntu:~# visudo
root@ubuntu:~# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group defau
lt qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP g
roup default qlen 1000
    link/ether 08:00:27:d0:8a:5a brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
        valid_lft 85848sec preferred_lft 85848sec
    inet6 fe80::80d4:1a2:a16a:e70a/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
root@ubuntu:~#
```

