

# CI-CD PIPELINING

```
Activities Feb 19 13:05
osboxes@osboxes: ~/Desktop/ci-cd-nodejs

osboxes@osboxes:~/Desktop$ ls
-CI-CD-pipeline jeeru.txt pythonflasknew sai.txt
osboxes@osboxes:~/Desktop$ git clone https://github.com/Jeerusai9/ci-cd-nodejs.git
Cloning into 'ci-cd-nodejs'...
remote: Enumerating objects: 515, done.
remote: Counting objects: 100% (515/515), done.
remote: Compressing objects: 100% (398/398), done.
remote: Total 515 (delta 94), reused 515 (delta 94), pack-reused 0
Receiving objects: 100% (515/515), 659.20 KiB | 1018.00 KiB/s, done.
Resolving deltas: 100% (94/94), done.
osboxes@osboxes:~/Desktop$ ls
ci-cd-nodejs -CI-CD-pipeline jeeru.txt pythonflasknew sai.txt
osboxes@osboxes:~/Desktop$ sudo apt install nodejs
[sudo] password for osboxes:
Reading package lists... Done
Building dependency tree
Reading state information... Done
nodejs is already the newest version (10.19.0-dfsg-3ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 324 not upgraded.
osboxes@osboxes:~/Desktop$ ls -a
. . . ci-cd-nodejs -CI-CD-pipeline jeeru.txt pythonflasknew sai.txt
osboxes@osboxes:~/Desktop$ cd ci-cd-nodejs
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls
Dockerfile index.js node_modules package.json package-lock.json
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ touch deploy.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ touch checkstatus.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ touch test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ nano deploy.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ touch requirements.txt
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ nano checkstatus.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ sudo apt-get install pip
Reading package lists... Done
Building dependency tree
Reading state information... Done
Note, selecting 'python3-pip' instead of 'pip'
python3-pip is already the newest version (20.0.2-5ubuntu1.7).
0 upgraded, 0 newly installed, 0 to remove and 324 not upgraded.
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ chmod +x deploy.sh

ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Feb 19 13:05
osboxes@osboxes: ~/Desktop/ci-cd-nodejs

osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls
checkstatus.sh deploy.sh Dockerfile index.js node_modules package.json package-lock.json requirements.txt test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ crontab -e
crontab: installing new crontab
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls -l
total 44
-rwxrwxr-x 1 osboxes osboxes 137 Feb 19 12:53 checkstatus.sh
-rwxrwxr-x 1 osboxes osboxes 172 Feb 19 12:49 deploy.sh
-rw-rw-r-- 1 osboxes osboxes 370 Feb 19 12:42 Dockerfile
-rw-rw-r-- 1 osboxes osboxes 222 Feb 19 12:42 index.js
drwxrwxr-x 59 osboxes osboxes 4096 Feb 19 12:42 node_modules
-rw-rw-r-- 1 osboxes osboxes 270 Feb 19 12:42 package.json
-rw-rw-r-- 1 osboxes osboxes 17908 Feb 19 12:42 package-lock.json
-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:50 requirements.txt
-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:44 test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls -l
total 44
-rwxrwxr-x 1 osboxes osboxes 137 Feb 19 12:53 checkstatus.sh
-rwxrwxr-x 1 osboxes osboxes 172 Feb 19 12:49 deploy.sh
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-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:50 requirements.txt
-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:44 test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ pwd
/home/osboxes/Desktop/ci-cd-nodejs
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls -l
total 52
-rw-rw-r-- 1 osboxes osboxes 25 Feb 19 13:02 checkstatuslog.txt
-rwxrwxr-x 1 osboxes osboxes 137 Feb 19 12:53 checkstatus.sh
-rw-rw-r-- 1 osboxes osboxes 117 Feb 19 13:02 deploylog.txt
-rwxrwxr-x 1 osboxes osboxes 172 Feb 19 12:49 deploy.sh
-rw-rw-r-- 1 osboxes osboxes 370 Feb 19 12:42 Dockerfile
-rw-rw-r-- 1 osboxes osboxes 222 Feb 19 12:42 index.js
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-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:50 requirements.txt
-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:44 test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ cat checkstatuslog.txt
nodejs server is running
nodejs server is running
osboxes@osboxes:~/Desktop/ci-cd-nodejs$
```

Activities Terminal Feb 19 13:08

osboxes@osboxes: ~/Desktop/ci-cd-nodejs

osboxes@osboxes: ~/Desktop/ci-cd-nodejs

ThunderBird Mail deploy.sh

```
#!/bin/bash
cd /home/osboxes/Desktop/ci-cd-nodejs
git pull
pip install -r requirements.txt
if ! pgrep -f "python3 app.py" > /dev/null ; then
    nohup python3 app.py &
fi
```

Activities Terminal Feb 19 13:07

osboxes@osboxes: ~/Desktop/ci-cd-nodejs

osboxes@osboxes: ~/Desktop/ci-cd-nodejs

GNU nano 4.8 checkstatus.sh


```
#!/bin/bash
if pgrep -f "python3 app.py" >/dev/null ;then
    echo "nodejs server is running"
else
    echo "nodejs server is not running"
fi
```

```
Activities Terminal Feb 19 13:06
osboxes@osboxes: ~/Desktop/ci-cd-nodejs

osboxes@osboxes: ~/Desktop/ci-cd-nodejs
GNU nano 4.8 /tmp/crontab.MnoYzw/crontab
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow command
* * * * * /home/osboxes/Desktop/ci-cd-nodejs/deploy.sh >> /home/osboxes/Desktop/ci-cd-nodejs/deploylog.txt 2>&1
* * * * * /home/osboxes/Desktop/ci-cd-nodejs/checkstatus.sh >> /home/osboxes/Desktop/ci-cd-nodejs/checkstatuslog.txt 2>&1
```




```
Activities Terminal Feb 19 13:03
osboxes@osboxes: ~/Desktop/ci-cd-nodejs

osboxes@osboxes: ~/Desktop/ci-cd-nodejs
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls
checkstatus.sh deploy.sh Dockerfile index.js node_modules package.json package-lock.json requirements.txt test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ crontab -e
crontab: installing new crontab
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls -l
total 44
-rwxrwxr-x 1 osboxes osboxes 137 Feb 19 12:53 checkstatus.sh
-rwxrwxr-x 1 osboxes osboxes 172 Feb 19 12:49 deploy.sh
-rw-rw-r-- 1 osboxes osboxes 370 Feb 19 12:42 Dockerfile
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osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls -l
total 44
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-rwxrwxr-x 1 osboxes osboxes 172 Feb 19 12:49 deploy.sh
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-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:44 test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ pwd
/home/osboxes/Desktop/ci-cd-nodejs
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ ls -l
total 52
-rw-rw-r-- 1 osboxes osboxes 25 Feb 19 13:02 checkstatuslog.txt
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-rw-rw-r-- 1 osboxes osboxes 17908 Feb 19 12:42 package-lock.json
-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:50 requirements.txt
-rw-rw-r-- 1 osboxes osboxes 0 Feb 19 12:44 test.sh
osboxes@osboxes:~/Desktop/ci-cd-nodejs$ cat checkstatuslog.txt
nodejs server is running
nodejs server is running
osboxes@osboxes:~/Desktop/ci-cd-nodejs$
```







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

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 master  1 branch  0 tags

 node\_modules


task2.0

 Dockerfile


task2.0

 index.js

task2.0

 package-lock.json

task2.0

 package.json

task2.0

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