osboxes@osboxes: ~/Desktop/CI-CD-nodejs

```
osboxes@osboxes:~$ ls
Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos
osboxes@osboxes:~$ cd Desktop
osboxes@osboxes:~/Desktop$ ls
CI-CD_python_flask_bash    sample.sh    sample.sh.save
osboxes@osboxes:~/Desktop$ git clone https://github.com/RobinvargheseO4/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), 659.45 KiB | 2.47 MiB/s, done.
Resolving deltas: 100% (94/94), done.
osboxes@osboxes:~/Desktop$ ls
CI-CD-nodejs   CI-CD_python_flask_bash    sample.sh    sample.sh.save
osboxes@osboxes:~/Desktop$ sudo apt install nodejs
[sudo] password for osboxes:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libc-ares2 libnode64 nodejs-doc
Suggested packages:
  npm
The following NEW packages will be installed:
  libc-ares2 libnode64 nodejs nodejs-doc
0 upgraded, 4 newly installed, 0 to remove and 101 not upgraded.
Need to get 6,807 kB of archives.
After this operation, 30.7 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-ares2 amd64 1.15.0-1ubuntu0.1 [38.2 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 libnode64 amd64 10.19.0~dfsg-3ubuntu1 [5,765 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 nodejs-doc all 10.19.0~dfsg-3ubuntu1 [942 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 nodejs amd64 10.19.0~dfsg-3ubuntu1 [61.1 kB]
Fetched 6,807 kB in 10s (665 kB/s)
Selecting previously unselected package libc-ares2:amd64.
(Reading database ... 185356 files and directories currently installed.)
Preparing to unpack .../libc-ares2_1.15.0-1ubuntu0.1_amd64.deb ...
Unpacking libc-ares2:amd64 (1.15.0-1ubuntu0.1) ...
Selecting previously unselected package libnode64:amd64.
Preparing to unpack .../libnode64_10.19.0~dfsg-3ubuntu1_amd64.deb ...
Unpacking libnode64:amd64 (10.19.0~dfsg-3ubuntu1) ...
Selecting previously unselected package nodejs-doc.
Preparing to unpack .../nodejs-doc_10.19.0~dfsg-3ubuntu1_all.deb ...
Unpacking nodejs-doc (10.19.0~dfsg-3ubuntu1) ...
Selecting previously unselected package nodejs.
```

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```
Selecting previously unselected package nodejs.
Preparing to unpack .../nodejs_10.19.0~dfsg-3ubuntu1_amd64.deb ...
Unpacking nodejs (10.19.0~dfsg-3ubuntu1) ...
Setting up libc-ares2:amd64 (1.15.0-1ubuntu0.1) ...
Setting up libnode64:amd64 (10.19.0~dfsg-3ubuntu1) ...
Setting up nodejs-doc (10.19.0~dfsg-3ubuntu1) ...
Setting up nodejs (10.19.0~dfsg-3ubuntu1) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto m
ode
Processing triggers for libc-bin (2.31-0ubuntu9.7) ...
Processing triggers for man-db (2.9.1-1) ...
osboxes@osboxes:~/Desktop$ ls
CI-CD-nodejs   CI-CD_python_flask_bash    sample.sh    sample.sh.save
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$ pip --version
pip 20.0.2 from /usr/lib/python3/dist-packages/pip (python 3.8)
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls -l
total 44
-rw-rw-r--  1 osboxes osboxes   144 Feb 19 12:45 checkstatus.sh
-rw-rw-r--  1 osboxes osboxes   171 Feb 19 12:31 deploy.sh
-rw-rw-r--  1 osboxes osboxes   370 Feb 19 12:01 Dockerfile
-rw-rw-r--  1 osboxes osboxes   222 Feb 19 12:01 index.js
drwxrwxr-x 59 osboxes osboxes  4096 Feb 19 12:01 node_modules
-rw-rw-r--  1 osboxes osboxes   270 Feb 19 12:01 package.json
-rw-rw-r--  1 osboxes osboxes 17908 Feb 19 12:01 package-lock.json
-rw-rw-r--  1 osboxes osboxes     0 Feb 19 12:32 requirements.txt
-rw-rw-r--  1 osboxes osboxes     0 Feb 19 12:28 test.sh
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ chmod +x deploy.sh
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls -l
total 44
-rw-rw-r--  1 osboxes osboxes   144 Feb 19 12:45 checkstatus.sh
-rwxrwxr-x  1 osboxes osboxes   171 Feb 19 12:31 deploy.sh
-rw-rw-r--  1 osboxes osboxes   370 Feb 19 12:01 Dockerfile
-rw-rw-r--  1 osboxes osboxes   222 Feb 19 12:01 index.js
drwxrwxr-x 59 osboxes osboxes  4096 Feb 19 12:01 node_modules
-rw-rw-r--  1 osboxes osboxes   270 Feb 19 12:01 package.json
-rw-rw-r--  1 osboxes osboxes 17908 Feb 19 12:01 package-lock.json
-rw-rw-r--  1 osboxes osboxes     0 Feb 19 12:32 requirements.txt
```

Activities   Terminal   Feb 19 13:05

osboxes@osboxes: ~/Desktop/CI-CD-nodejs

```
deploy.sh          index.js     package.json   requirements.txt
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls
checkstatus.sh  Dockerfile   node_modules   package-lock.json   test.sh
deploy.sh          index.js     package.json   requirements.txt
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls
checkstatus.sh  Dockerfile   node_modules   package-lock.json   test.sh
deploy.sh          index.js     package.json   requirements.txt
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls -a
.                  deploy.sh    index.js        package-lock.json
..                 Dockerfile   node_modules    requirements.txt
checkstatus.sh  .git         package.json    test.sh
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls
checkstatus.sh  Dockerfile   node_modules   package-lock.json   test.sh
deploy.sh          index.js     package.json   requirements.txt
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ crontab -e
crontab: installing new crontab
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls
checkstatus.sh  Dockerfile   node_modules   package-lock.json   test.sh
deploy.sh          index.js     package.json   requirements.txt
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ cat checkstatuslog.txt
cat: checkstatuslog.txt: No such file or directory
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls
checkstatus.sh  Dockerfile   node_modules   package-lock.json   test.sh
deploy.sh          index.js     package.json   requirements.txt
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ crontab -e
crontab: installing new crontab
osboxes@osboxes:~/Desktop/CI-CD-nodejs$ ls -l
total 52
-rw-rw-r--  1 osboxes osboxes     50 Feb 19 12:57 checkstatuslog.txt
-rwxrwxr-x  1 osboxes osboxes    144 Feb 19 12:45 checkstatus.sh
-rw-rw-r--  1 osboxes osboxes    232 Feb 19 12:57 deploylog.txt
-rwxrwxr-x  1 osboxes osboxes    171 Feb 19 12:31 deploy.sh
-rw-rw-r--  1 osboxes osboxes    370 Feb 19 12:01 Dockerfile
-rw-rw-r--  1 osboxes osboxes    222 Feb 19 12:01 index.js
drwxrwxr-x 59 osboxes osboxes   4096 Feb 19 12:01 node_modules
-rw-rw-r--  1 osboxes osboxes    270 Feb 19 12:01 package.json
-rw-rw-r--  1 osboxes osboxes  17908 Feb 19 12:01 package-lock.json
-rw-rw-r--  1 osboxes osboxes      0 Feb 19 12:32 requirements.txt
-rw-rw-r--  1 osboxes osboxes      0 Feb 19 12:28 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$ cat checkstatuslog.txt
nodejs server is running
nodejs server is running
osboxes@osboxes:~/Desktop/CI-CD-nodejs$
```

Activities   Terminal   Feb 19 13:05

osboxes@osboxes: ~/Desktop/CI-CD-nodejs

```
  GNU nano 4.8                                  /tmp/crontab.Hrb2JP/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
```

```
  GNU nano 4.8                                                     deploy.sh
#!/bin/bash
cd /home/osboxes/Desktop/CI-CD-nodejs
git pull
pip install -r requiremnts.txt
if ! pgrep -f "python3 app.py" > /dev/null ; then
        nohup python3 app.py &
fi
```

```
  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
```

🖥 RobinvargheseO4 / CI-CD-nodejs Public

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❄ RobinvargheseO4 task2   f5ffeef 1 hour ago   🕓 1 commit

📁 node_modules   task2   1 hour ago
📄 Dockerfile   task2   1 hour ago
📄 index.js   task2   1 hour ago
📄 package-lock.json   task2   1 hour ago
📄 package.json   task2   1 hour ago

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