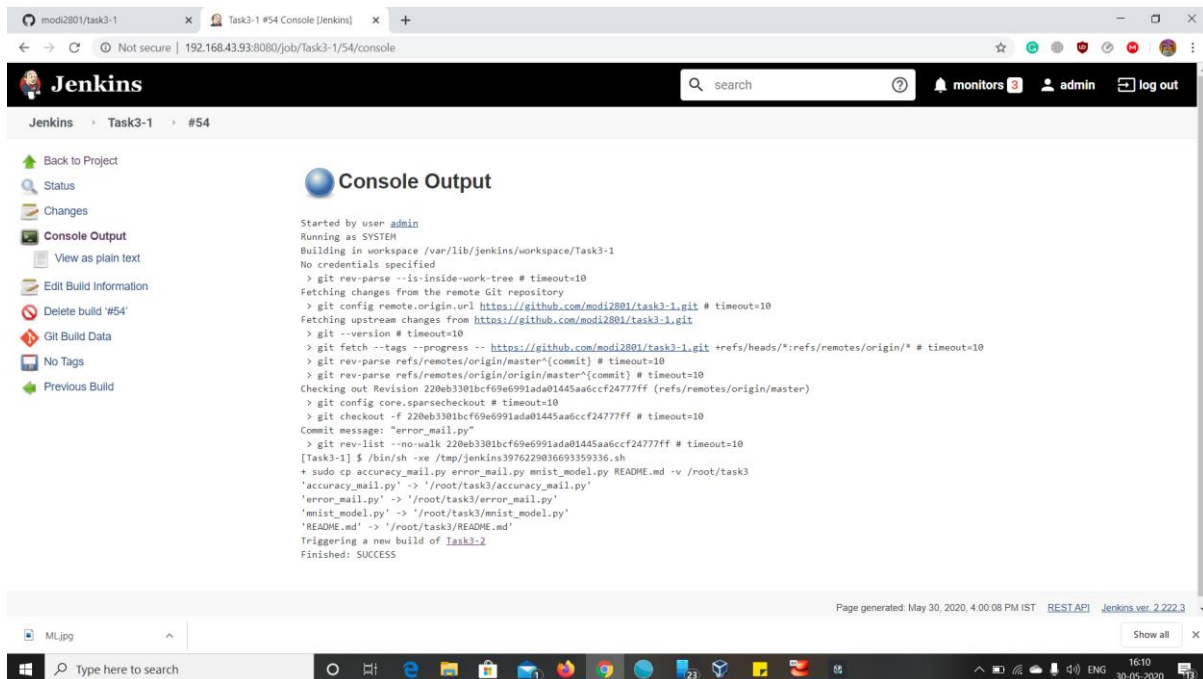


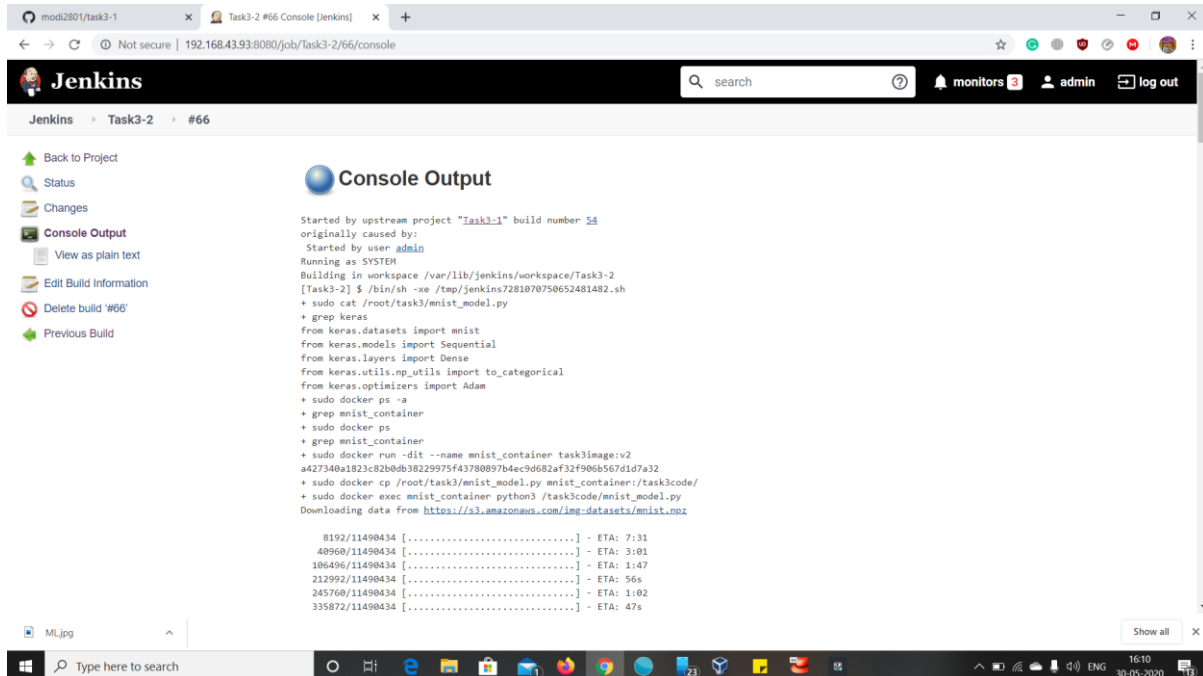
Console Output of First JOB(Task3-1):



The screenshot shows the Jenkins web interface for 'Task3-1' build #54. The console output is displayed in the main area, showing the build process from cloning the repository to the successful completion of the build. The output includes commands for git, checkout, and running a script. The build is finished successfully.

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Task3-1
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/modi2801/task3-1.git # timeout=10
Fetching upstream changes from https://github.com/modi2801/task3-1.git
> git --version # timeout=10
> git fetch --tags --progress -- https://github.com/modi2801/task3-1.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 220eb3301bcf69e6991ada01445aa6ccf24777ff (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 220eb3301bcf69e6991ada01445aa6ccf24777ff # timeout=10
Commit message: "error_mail.py"
> git rev-list --no-walk 220eb3301bcf69e6991ada01445aa6ccf24777ff # timeout=10
[Task3-1] $ /bin/sh -xe /tmp/jenkins397622903669359336.sh
+ sudo cp accuracy_mail.py error_mail.py mnist_model.py README.md -v /root/task3
'accuracy_mail.py' -> '/root/task3/accuracy_mail.py'
'error_mail.py' -> '/root/task3/error_mail.py'
'mnist_model.py' -> '/root/task3/mnist_model.py'
'README.md' -> '/root/task3/README.md'
Triggering a new build of Task3-2
Finished: SUCCESS
```

Console Output of Second JOB(Task3-2):



The screenshot shows the Jenkins web interface for 'Task3-2' build #66. The console output is displayed in the main area, showing the build process from cloning the repository to the successful completion of the build. The output includes commands for git, checkout, and running a script. The build is finished successfully.

```
Started by upstream project "Task3-1" build number 54
originally caused by:
  Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Task3-2
[Task3-2] $ /bin/sh -xe /tmp/jenkins7281878750652481482.sh
+ sudo cat /root/task3/mnist_model.py
+ grep keras
from keras.datasets import mnist
from keras.models import Sequential
from keras.layers import Dense
from keras.utils.np_utils import to_categorical
from keras.optimizers import Adam
+ sudo docker ps -a
+ grep mnist_container
+ sudo docker ps
+ grep mnist_container
+ sudo docker run -dit --name mnist_container task3image:v2
a427340a1823c82b0db38229975f437800897b4ec9d682af32f906b567d1d7a32
+ sudo docker cp /root/task3/mnist_model.py mnist_container:/task3code/
+ sudo docker exec mnist_container python3 /task3code/mnist_model.py
Downloading data from https://s3.amazonaws.com/img-datasets/mnist.npz

8192/11490434 [.....] - ETA: 7:31
40960/11490434 [.....] - ETA: 3:01
106496/11490434 [.....] - ETA: 1:47
212992/11490434 [.....] - ETA: 56s
245760/11490434 [.....] - ETA: 1:02
335872/11490434 [.....] - ETA: 47s
```

modi2801/task3-1 Task3-2 #66 Console [Jenkins]

← → ↻ Not secure | 192.168.43.93:8080/job/Task3-2/66/console

Jenkins Task3-2 #66

```
28800/60000 [=====] - ETA: 3s - loss: 2.2285 - accuracy: 0.6874
30016/60000 [=====] - ETA: 3s - loss: 2.1684 - accuracy: 0.6920
31232/60000 [=====] - ETA: 3s - loss: 2.1078 - accuracy: 0.6969
32444/60000 [=====] - ETA: 2s - loss: 2.0520 - accuracy: 0.7020
33696/60000 [=====] - ETA: 2s - loss: 2.0056 - accuracy: 0.7052
34880/60000 [=====] - ETA: 2s - loss: 1.9602 - accuracy: 0.7090
36160/60000 [=====] - ETA: 2s - loss: 1.9143 - accuracy: 0.7132
37376/60000 [=====] - ETA: 2s - loss: 1.8719 - accuracy: 0.7164
38560/60000 [=====] - ETA: 2s - loss: 1.8328 - accuracy: 0.7198
39552/60000 [=====] - ETA: 1s - loss: 1.8025 - accuracy: 0.7224
40672/60000 [=====] - ETA: 1s - loss: 1.7786 - accuracy: 0.7259
41856/60000 [=====] - ETA: 1s - loss: 1.7348 - accuracy: 0.7292
42880/60000 [=====] - ETA: 1s - loss: 1.7069 - accuracy: 0.7319
44064/60000 [=====] - ETA: 1s - loss: 1.6791 - accuracy: 0.7343
45088/60000 [=====] - ETA: 1s - loss: 1.6530 - accuracy: 0.7367
46240/60000 [=====] - ETA: 1s - loss: 1.6345 - accuracy: 0.7397
47072/60000 [=====] - ETA: 1s - loss: 1.6054 - accuracy: 0.7417
48352/60000 [=====] - ETA: 1s - loss: 1.5761 - accuracy: 0.7448
49568/60000 [=====] - ETA: 0s - loss: 1.5510 - accuracy: 0.7474
50752/60000 [=====] - ETA: 0s - loss: 1.5286 - accuracy: 0.7499
51872/60000 [=====] - ETA: 0s - loss: 1.5072 - accuracy: 0.7524
53152/60000 [=====] - ETA: 0s - loss: 1.4836 - accuracy: 0.7550
54208/60000 [=====] - ETA: 0s - loss: 1.4640 - accuracy: 0.7572
55392/60000 [=====] - ETA: 0s - loss: 1.4429 - accuracy: 0.7595
56672/60000 [=====] - ETA: 0s - loss: 1.4206 - accuracy: 0.7621
57888/60000 [=====] - ETA: 0s - loss: 1.4027 - accuracy: 0.7640
59104/60000 [=====] - ETA: 0s - loss: 1.3857 - accuracy: 0.7658
60000/60000 [=====] - 5s 84us/step - loss: 1.3717 - accuracy: 0.7674 - val_loss: 0.4741 - val_accuracy: 0.8706
Using TensorFlow backend.
76
+ sudo docker cp mnist_container:accuracy.txt /root/task3/
Triggering a new build of Task3-3
Finished: SUCCESS
```

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Console Output of Third JOB(Task3-3):

modi2801/task3-1 Task3-3 #54 Console [Jenkins]

← → ↻ Not secure | 192.168.43.93:8080/job/Task3-3/54/console

Jenkins Task3-3 #54

Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#54'
Previous Build

Console Output

Started by upstream project "Task3-2" build number 66
originally caused by:
Started by upstream project "Task3-1" build number 54
originally caused by:
Started by user admin

Running as SYSTEM

Building in workspace /var/lib/jenkins/workspace/Task3-3
[Task3-3] \$ /bin/sh -xe /tmp/jenkins16197277072313117585.sh
++ sudo cat /root/task3/accuracy.txt
+ accuracy=76
+ x=2
+ filter=(i=\$x)
+ '[' 76 -lt 95 -j'
+ sudo sed -i '21s/.*/i=2/' /root/task3/mnist_model.py
+ sudo docker cp /root/task3/accuracy.txt mnist_container:/task3code/
+ sudo docker cp /root/task3/mnist_model.py mnist_container:/task3code/
+ sudo docker exec mnist_container python3 /task3code/mnist_model.py

2020-05-30 08:55:44.465601: W tensorflow/stream_executor/platform/default/dso_loader.cc:55] Could not load dynamic library 'libcuda.so.1'; dlopen:
libcuda.so.1: cannot open shared object file: No such file or directory
2020-05-30 08:55:44.466762: E tensorflow/stream_executor/cuda/cuda_driver.cc:313] failed call to cuInit: UNKNOWN ERROR (303)
2020-05-30 08:55:44.466862: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:156] kernel driver does not appear to be running on this host
(a427340a1823): /proc/driver/nvidia/version does not exist
2020-05-30 08:55:44.468178: I tensorflow/core/platform/cpu_feature_guard.cc:143] Your CPU supports instructions that this TensorFlow binary was not compiled
to use: AVX2
2020-05-30 08:55:44.815940: I tensorflow/core/platform/profile_utils/cpu_utils.cc:102] CPU Frequency: 1799995000 Hz
2020-05-30 08:55:44.842955: I tensorflow/compiler/xla/service/service.cc:168] XLA service 0x46d8300 initialized for platform Host (this does not guarantee
that XLA will be used). Devices:
2020-05-30 08:55:44.843139: I tensorflow/compiler/xla/service/service.cc:176] StreamExecutor device (0): Host, Default Version

Train on 60000 samples, validate on 10000 samples

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modi2801/task3-1 Task3-3 #54 Console [Jenkins]

← → ↻ Not secure | 192.168.43.93:8080/job/Task3-3/54/console

Jenkins Task3-3 #54

```
44964/60000 [=====>.....] - ETA: 1s - loss: 0.1467 - accuracy: 0.9587
44832/60000 [=====>.....] - ETA: 1s - loss: 0.1460 - accuracy: 0.9589
45600/60000 [=====>.....] - ETA: 1s - loss: 0.1457 - accuracy: 0.9591
46368/60000 [=====>.....] - ETA: 0s - loss: 0.1452 - accuracy: 0.9593
47136/60000 [=====>.....] - ETA: 0s - loss: 0.1453 - accuracy: 0.9593
47904/60000 [=====>.....] - ETA: 0s - loss: 0.1455 - accuracy: 0.9592
48672/60000 [=====>.....] - ETA: 0s - loss: 0.1451 - accuracy: 0.9593
49440/60000 [=====>.....] - ETA: 0s - loss: 0.1448 - accuracy: 0.9594
49856/60000 [=====>.....] - ETA: 0s - loss: 0.1446 - accuracy: 0.9595
50528/60000 [=====>.....] - ETA: 0s - loss: 0.1442 - accuracy: 0.9596
51232/60000 [=====>.....] - ETA: 0s - loss: 0.1439 - accuracy: 0.9597
51968/60000 [=====>.....] - ETA: 0s - loss: 0.1436 - accuracy: 0.9599
52736/60000 [=====>.....] - ETA: 0s - loss: 0.1439 - accuracy: 0.9600
53504/60000 [=====>.....] - ETA: 0s - loss: 0.1437 - accuracy: 0.9600
54272/60000 [=====>.....] - ETA: 0s - loss: 0.1440 - accuracy: 0.9599
55040/60000 [=====>.....] - ETA: 0s - loss: 0.1446 - accuracy: 0.9596
55808/60000 [=====>.....] - ETA: 0s - loss: 0.1445 - accuracy: 0.9596
56576/60000 [=====>.....] - ETA: 0s - loss: 0.1443 - accuracy: 0.9597
57344/60000 [=====>.....] - ETA: 0s - loss: 0.1441 - accuracy: 0.9597
58112/60000 [=====>.....] - ETA: 0s - loss: 0.1443 - accuracy: 0.9597
58880/60000 [=====>.....] - ETA: 0s - loss: 0.1440 - accuracy: 0.9598
59648/60000 [=====>.....] - ETA: 0s - loss: 0.1443 - accuracy: 0.9599
60000/60000 [=====>.....] - 4s 75us/step - loss: 0.1440 - accuracy: 0.9599 - val_loss: 0.1373 - val_accuracy: 0.9603
Using TensorFlow backend.
95
+ sudo docker cp mnist_container:accuracy.txt /root/task3/
++ sudo cat /root/task3/accuracy.txt
+ accuracy=95
+ x=5
+ filter=(i=$x)
+ '[' 95 -lt 95 -l ']'
Triggering a new build of Task3-4
Finished: SUCCESS
```

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16:11 30-05-2020

Console Output of Fourth JOB(Task3-4):

modi2801/task3-1 Task3-4 #14 Console [Jenkins]

← → ↻ Not secure | 192.168.43.93:8080/job/Task3-4/14/console

Jenkins

search

monitors 3 admin log out

Jenkins Task3-4 #14

- Back to Project
- Status
- Changes
- Console Output
- View as plain text
- Edit Build Information
- Delete build '#14'
- Previous Build

Console Output

Started by upstream project "Task3-3" build number 54
originally caused by:
Started by upstream project "Task3-2" build number 66
originally caused by:
Started by upstream project "Task3-1" build number 54
originally caused by:
Started by user admin

Running as SYSTEM

Building in workspace /var/lib/jenkins/workspace/Task3-4

```
[Task3-4] $ /bin/sh -xe /tmp/jenkins9649900980573974220.sh
+ sudo python3 /root/task3/accuracy_mail.py
Triggering a new build of Task3-5
Finished: SUCCESS
```

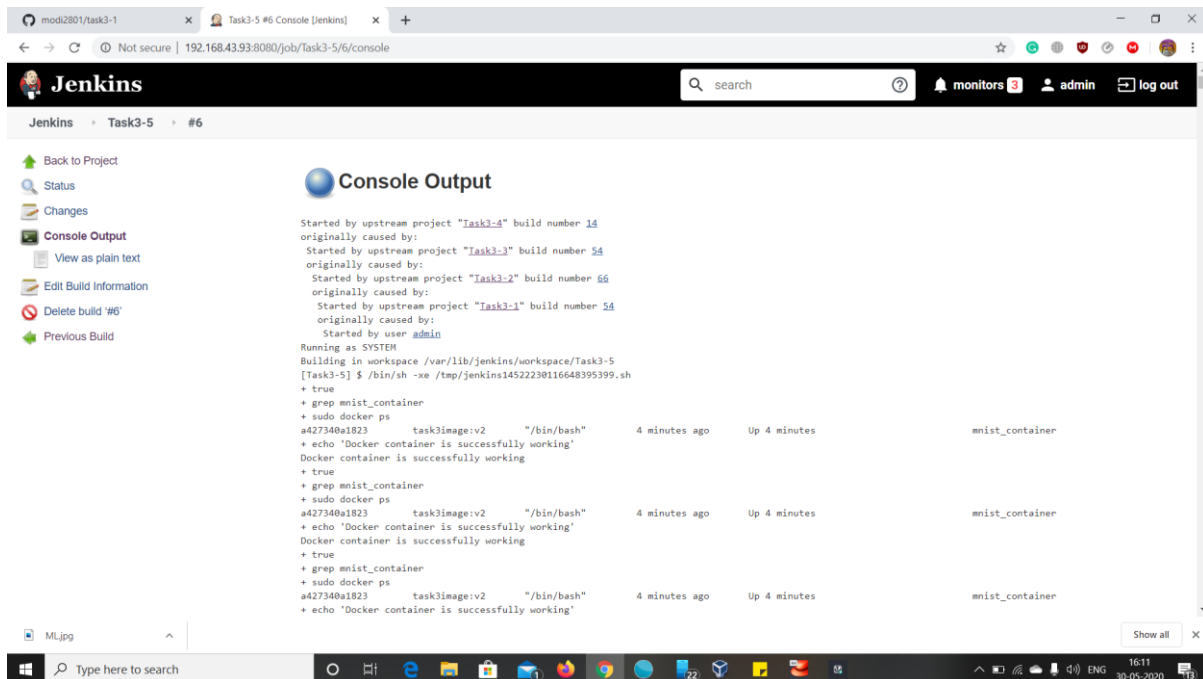
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Type here to search

16:11 30-05-2020

Console Output of Fifth JOB(Task3-5):



modi2801/task3-1 Task3-5 #6 Console [Jenkins]

← → ↻ Not secure | 192.168.43.93:8080/job/Task3-5/6/console

Jenkins Task3-5 #6

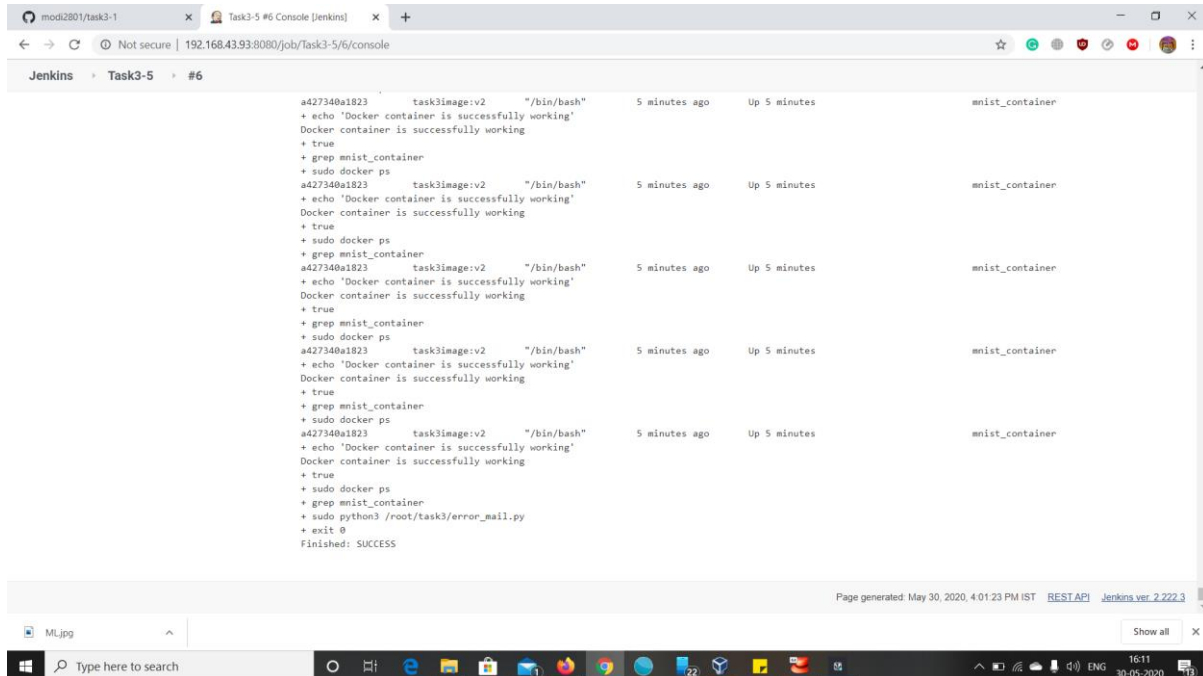
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#6'
Previous Build

Console Output

Started by upstream project "Task3-4" build number 14
originally caused by:
Started by upstream project "Task3-3" build number 54
originally caused by:
Started by upstream project "Task3-2" build number 66
originally caused by:
Started by upstream project "Task3-1" build number 54
originally caused by:
Started by user [admin](#)

Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Task3-5
[Task3-5] \$ /bin/sh -xe /tmp/jenkins14522230116648395399.sh
+ true
+ grep mnist_container
+ sudo docker ps
a427348a1823 task3image:v2 "/bin/bash" 4 minutes ago Up 4 minutes mnist_container
+ echo 'Docker container is successfully working'
Docker container is successfully working
+ true
+ grep mnist_container
+ sudo docker ps
a427348a1823 task3image:v2 "/bin/bash" 4 minutes ago Up 4 minutes mnist_container
+ echo 'Docker container is successfully working'
Docker container is successfully working
+ true
+ grep mnist_container
+ sudo docker ps
a427348a1823 task3image:v2 "/bin/bash" 4 minutes ago Up 4 minutes mnist_container
+ echo 'Docker container is successfully working'

Show all



modi2801/task3-1 Task3-5 #6 Console [Jenkins]

← → ↻ Not secure | 192.168.43.93:8080/job/Task3-5/6/console

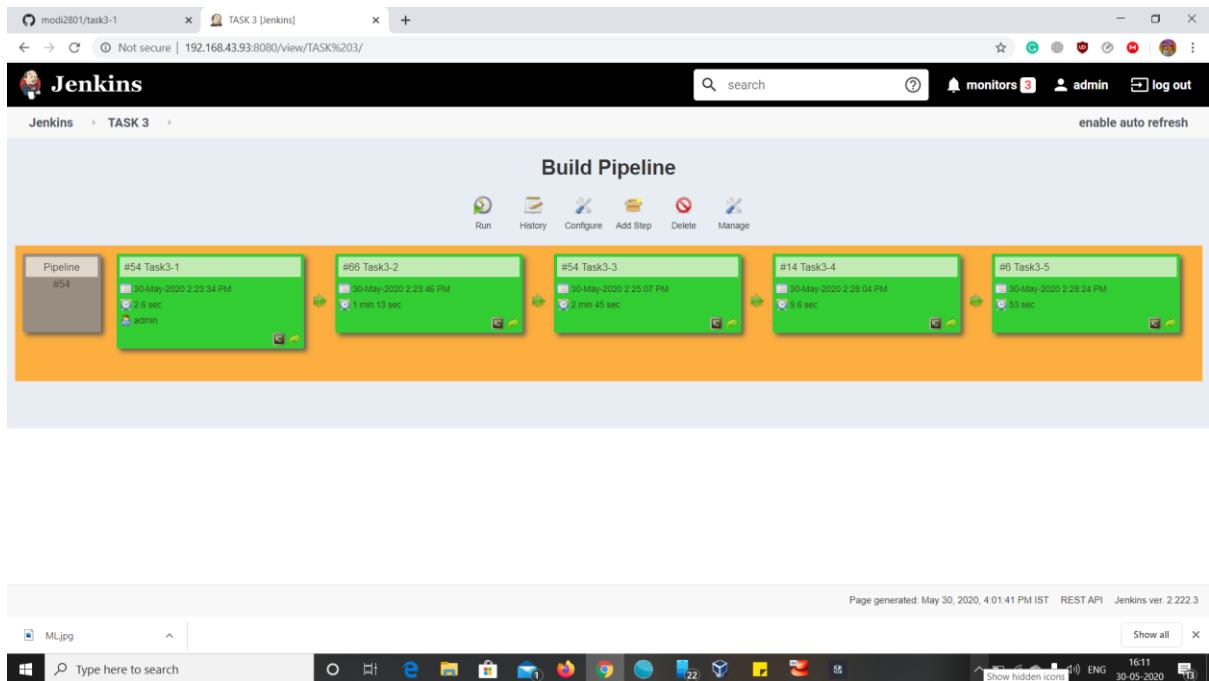
Jenkins Task3-5 #6

a427348a1823 task3image:v2 "/bin/bash" 5 minutes ago Up 5 minutes mnist_container
+ echo 'Docker container is successfully working'
Docker container is successfully working
+ true
+ grep mnist_container
+ sudo docker ps
a427348a1823 task3image:v2 "/bin/bash" 5 minutes ago Up 5 minutes mnist_container
+ echo 'Docker container is successfully working'
Docker container is successfully working
+ true
+ grep mnist_container
+ sudo docker ps
a427348a1823 task3image:v2 "/bin/bash" 5 minutes ago Up 5 minutes mnist_container
+ echo 'Docker container is successfully working'
Docker container is successfully working
+ true
+ grep mnist_container
+ sudo docker ps
a427348a1823 task3image:v2 "/bin/bash" 5 minutes ago Up 5 minutes mnist_container
+ echo 'Docker container is successfully working'
Docker container is successfully working
+ true
+ grep mnist_container
+ sudo python3 /root/task3/error_mail.py
+ exit 0
Finished: SUCCESS

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Screenshot of Build Pipeline View:



Screenshot of Github Repo:

