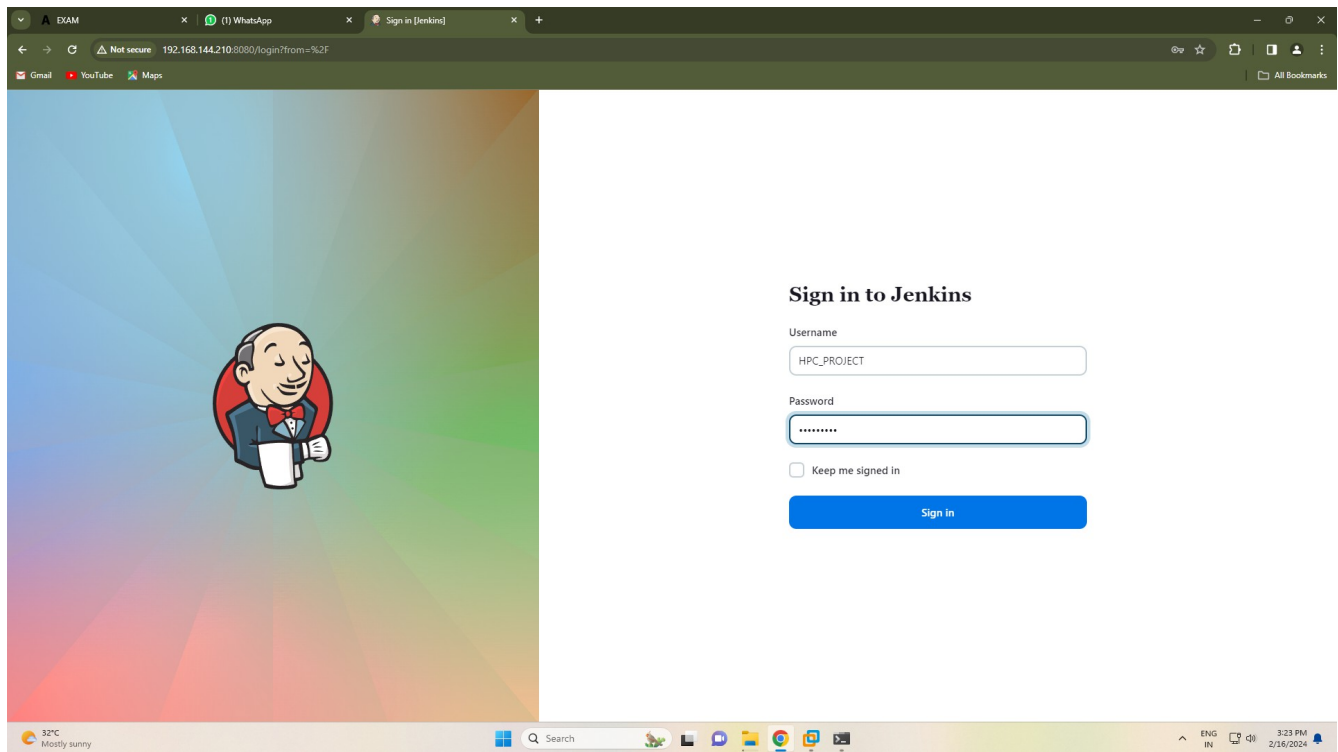
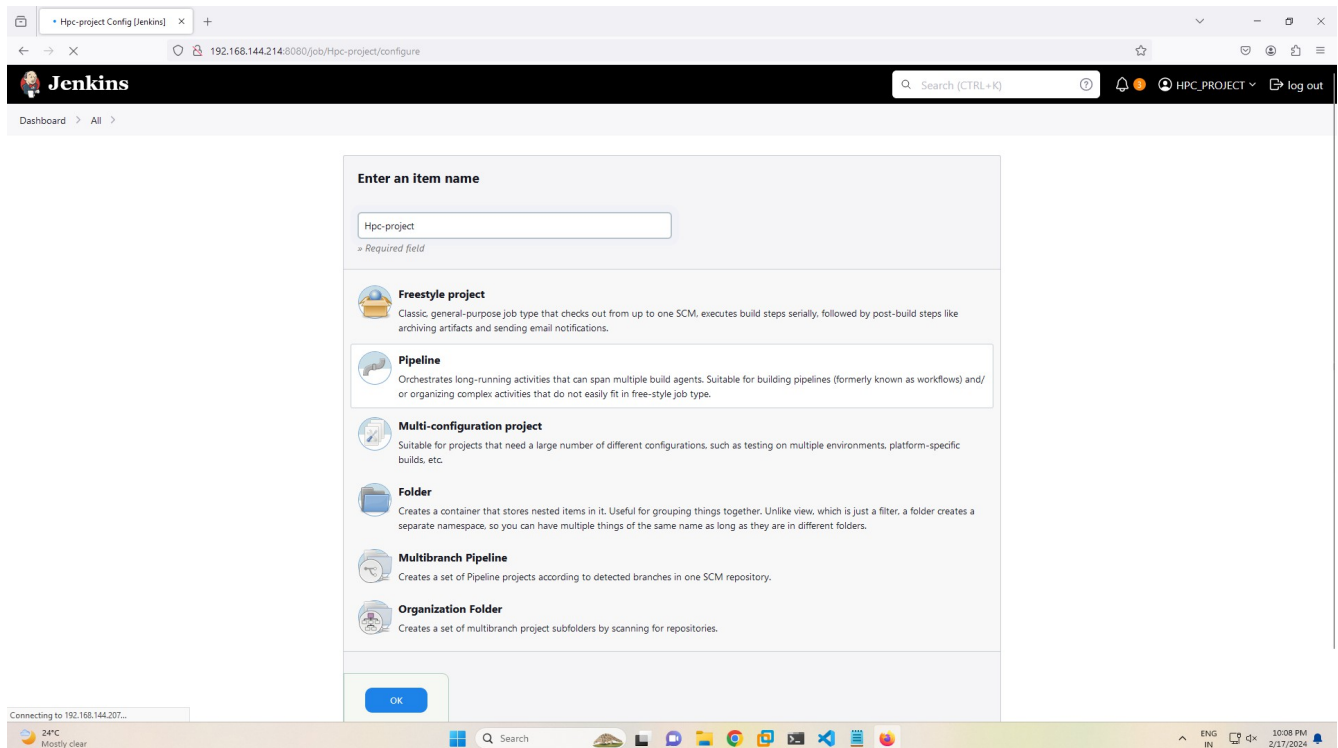


PROJECT STEPS >> SLURM JOB THROUGH JENKINS.....

start jenkins page,,,



pipeline job.,,,



Jenkins-job-successful

hpc-project [Jenkins]

192.168.144.214:8080/job/hpc-project/

Stage Logs (fetch-code)

Shell Script -- ssh root@192.168.144.213 'cd /nfs/slurm-rpms/ && sbatch myscript1.sh' (self time 271ms)

+ ssh root@192.168.144.213 'cd /nfs/slurm-rpms/ && sbatch myscript1.sh'

Submitted batch job 75

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

Build History

Filter...

#3 Feb 17, 2024, 10:48 PM

#2 Feb 17, 2024, 10:39 PM

#1 Feb 17, 2024, 10:09 PM

Atom feed for all

Atom feed for failures

Stage View

Average stage times: 1s

Average full run time: ~3s

Feb 17 22:48 No Changes 330ms

Feb 17 22:39 No Changes 4s

Feb 17 22:09 No Changes 776ms failed

Permalinks

Last build (#2), 8 min 31 sec ago

Last stable build (#2), 8 min 31 sec ago

Last successful build (#2), 8 min 31 sec ago

Last failed build (#1), 38 min ago

Last unsuccessful build (#1), 38 min ago

Last completed build (#2), 8 min 31 sec ago

Upcoming

Earnings

Search

ENG IN

10:48 PM

2/17/2024

Job-executed,,

root@master:/nfs/slurm-rpms

root@production:~

root@master:/nfs/slurm-rpms

```
[root@master slurm-rpms]#
[root@master slurm-rpms]# scontrol show job 75
JobId=75 JobName=activity1
UserId=root(0) GroupId=root(0) MCS_Label=N/A
Priority=2209091700 Nice=0 Account=root QOS=normal
JobState=COMPLETED Reason=None Dependency=(null)
Request=1 Restarts=0 BatchFlag=1 Reboot=0 ExitCode=0:0
RunTime=00:00:04 TimeLimit=UNLIMITED TimeMin=N/A
SubmitTime=2024-02-17T22:48:40 EligibleTime=2024-02-17T22:48:40
AccrueTime=2024-02-17T22:48:40
StartTime=2024-02-17T22:48:41 EndTime=2024-02-17T22:48:45 Deadline=N/A
SuspendTime=None SecsPreSuspend=0 LastSchedEval=2024-02-17T22:48:41 Scheduler=Main
Partition=hpc AllocNode:Sid=master:40220
ReqNodeList=(null) ExcNodeList=(null)
NodeList=master.demo.lab
BatchHost=master.demo.lab
NumNodes=1 NumCPUs=1 NumTasks=1 CPUs/Task=1 ReqB:S:C:T=0:0:*:*
TRES=cpu=1,node=1,billing=1
Socks/Node=* NtasksPerN:B:S:C=0:0:*:* CoreSpec=*
MinCPUSNode=1 MinMemoryNode=0 MinTmpDiskNode=0
Features=(null) DelayBoot=00:00:00
OverSubscribe=NO Contiguous=0 Licenses=(null) Network=(null)
Command=/nfs/slurm-rpms/myscript1.sh
WorkDir=/nfs/slurm-rpms
StdErr=/nfs/slurm-rpms/job.%J.err
StdIn=/dev/null
StdOut=/nfs/slurm-rpms/1.sh
Power=
```

23°C

Clear

Search

ENG IN

10:51 PM

2/17/2024

Slurm-job-script

```
root@master:/nfs/slurm-rpms x root@production:~ x root@master:/nfs/slurm-rpms x root@master:~ x + v x
#!/bin/bash
#SBATCH --job-name=activity1
#SBATCH --nodes=2
#SBATCH --partition=hpc
#SBATCH --error=job.%j.err
#SBATCH --output=1.sh
#SBATCH --output=1.sh
python3 /nfs/slurm-rpms/detecting_fake_news-main/detecting_fake_news-main/detecting_fake_news.py
echo "THIS IS SANDIP"

"myscript1.sh" 10L, 275C
3,1 All
```

Slurm-node-list

```
root@master:/nfs/slurm-rpms x root@production:~ x root@master:/nfs/slurm-rpms x root@master:~ x + v x
[root@master slurm-rpms]# sinfo
PARTITION AVAIL TIMELIMIT NODES STATE NODELIST
debug up infinite 1 idle master.demo.lab
debug up infinite 2 down hpc002.demo.lab,hpc003.demo.lab
hpc* up infinite 1 idle master.demo.lab
hpc* up infinite 2 down hpc002.demo.lab,hpc003.demo.lab
[root@master slurm-rpms]#
[root@master slurm-rpms]#
[root@master slurm-rpms]# scontrol update NodeName=hpc002.demo.lab State=RESUME
[root@master slurm-rpms]#
[root@master slurm-rpms]# scontrol update NodeName=hpc003.demo.lab State=RESUME
[root@master slurm-rpms]#
[root@master slurm-rpms]#
[root@master slurm-rpms]# sinfo
PARTITION AVAIL TIMELIMIT NODES STATE NODELIST
debug up infinite 3 idle hpc002.demo.lab,hpc003.demo.lab, master.demo.lab
hpc* up infinite 3 idle hpc002.demo.lab,hpc003.demo.lab, master.demo.lab
[root@master slurm-rpms]#
[root@master slurm-rpms]#
[root@master slurm-rpms]#
[root@master slurm-rpms]#
```

Job-output

```
root@master:/nfs/slurm-rpms x root@production:~ x root@master:/nfs/slurm-rpms x + -
[root@master slurm-rpms]# cat 1.sh
Unnamed: 0 ... label
0      8076 ... FAKE
1      18298 ... FAKE
2      3688 ... REAL
3      10142 ... FAKE
4      875 ... REAL

[5 rows x 4 columns]
0 FAKE
1 FAKE
2 REAL
3 FAKE
4 REAL
Name: label, dtype: object
....OUTPUT....

Accuracy: 92.9%

THIS IS SANDIP
[root@master slurm-rpms]# |
```

FINAL OUTPUT ON NODE..

```
root@master:/nfs/slurm-rpms x root@production:~ x root@master:/nfs/slurm-rpms x root@master:/nfs/slurm-rpms x + -
[root@master ~]#
[root@master ~]# cd /nfs/slurm-rpms/
[root@master slurm-rpms]#
[root@master slurm-rpms]#
[root@master slurm-rpms]# vim myscript1.sh
[root@master slurm-rpms]#
[root@master slurm-rpms]# sbatch myscript1.sh
Submitted batch job 76
[root@master slurm-rpms]#
[root@master slurm-rpms]# scontrol show job 76
JobId=76 JobName=activity1
  UserId=root(0) GroupId=root(0) MCS_Label=N/A
  Priority=4294967295 Nice=0 Account=root QOS=normal
  JobState=COMPLETED Reason=None Dependency=(null)
  Requeue=1 Restarts=0 BatchFlag=1 Reboot=0 ExitCode=0:0
  RunTime=00:00:01 TimeLimit=UNLIMITED TimeMin=N/A
  SubmitTime=2024-02-17T23:25:25 EligibleTime=2024-02-17T23:25:25
  AccrueTime=2024-02-17T23:25:25
  StartTime=2024-02-17T23:25:25 EndTime=2024-02-17T23:25:26 Deadline=N/A
  SuspendTime=None SecsPreSuspend=0 LastSchedEval=2024-02-17T23:25:25 Scheduler=Main
  Partition=hpc AllocNode=Sid=master:41795
  ReqNodeList=(null) ExcNodeList=(null)
  NodeList=hpc002.demo.lab,hpc003.demo.lab
  BatchHost=hpc002.demo.lab
  NumNodes=2 NumCPUs=2 NumTasks=2 CPUs/Task=1 ReqB:S:C:T=0:0:*:*
  TRES=cpu=2,node=2,billing=2
  Socks/Node=* NtasksPerN:B:S:C=0:0:*:* CoreSpec=*
  MinCPUsNode=1 MinMemoryNode=0 MinTmpDiskNode=0
  Features=(null) DelayBoot=00:00:00
  OverSubscribe=NO Contiguous=0 Licenses=(null) Network=(null)
  Command=/nfs/slurm-rpms/myscript1.sh
  WorkDir=/nfs/slurm-rpms
  StdErr=/nfs/slurm-rpms/job.%J.err
  StdIn=/dev/null
  StdOut=/nfs/slurm-rpms/1.sh
  Power=

[root@master slurm-rpms]#
[root@master slurm-rpms]# |
```