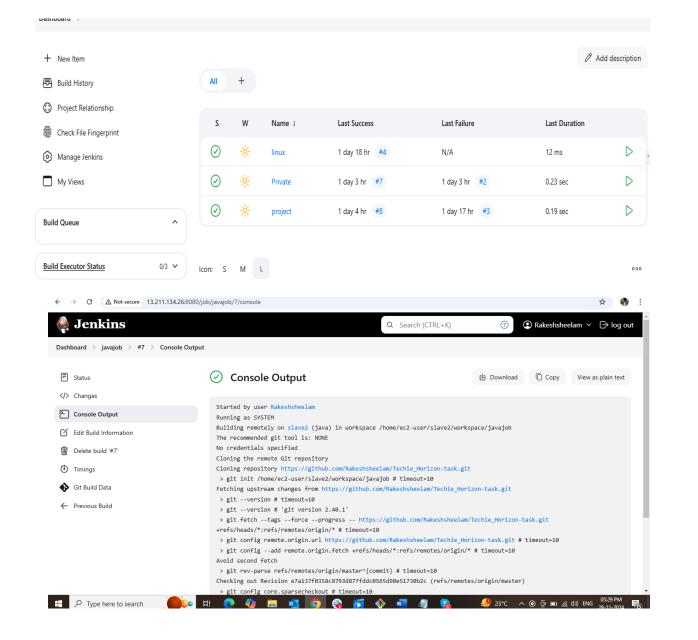
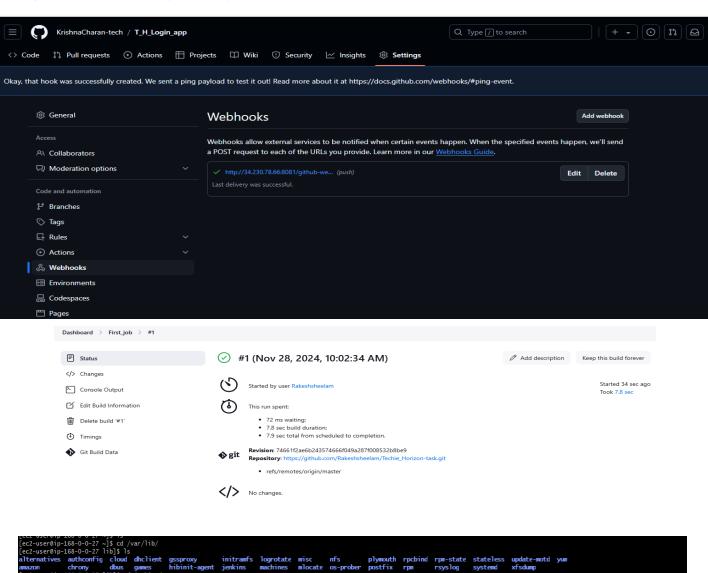
1) Configure 2 slave machines in jenkins master.

Login to slave machine
Install java (amazon-linux-extras install java-openjdk11)
Create ssh-keygen
Cd .ssh/
Cat id_rsa.pub > authorized_keys
Chmod 700 authorized_keys

Login to master machine
mkdir -p /var/lib/jenkins/.ssh
cd /var/lib/jenkins/.ssh
ssh-keyscan -H <slave-Node-IP> >> /var/lib/jenkins/.ssh/known_hosts



2) Configure webhooks to jenkins job.



```
[ec2-user@ip-168-0-0-27 -]s c/ (var/lib/)
[ec2-user@ip-168-0-0-27 |ib]s ls
alternatives authconfig cloud dhclient gssproxy initramfs logrotate misc nfs plymouth rpcbind rpm-state stateless update-motd yum
amazon chrony dbus games hibinit-agent jenkins machines mlocate os-prober postfix rpm rsyslog systemd xfsdump

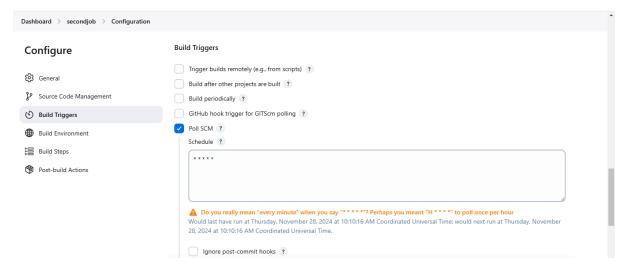
[ec2-user@ip-168-0-0-27 lib]s cd jenkins/
[ec2-user@ip-168-0-0-27 jenkins]s ls

KC hudson.plugins.git.GitTool.xml jenkins.install.UpgradeWizard.state jobs plugins dentity.key.enc jenkins.model.JenkinsLocationConfiguration.xml logs queue.xml yenkins.install.InstallUtil.lastExecVersion jenkins.telemetry.Correlator.xml nodeMonitors.xml secret.key updates workspace

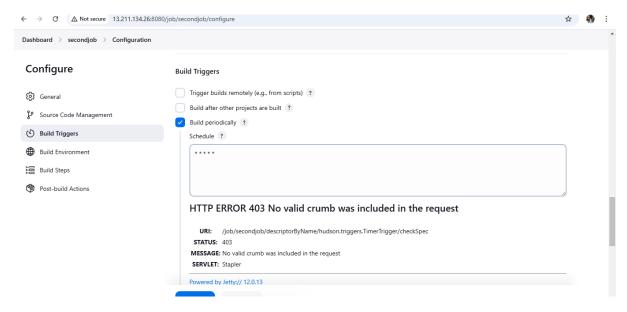
[ec2-user@ip-168-0-0-27 jenkins]s cd workspace/
[ec2-user@ip-168-0-0-27 workspace]s ls
First_job/
[ec2-user@ip-168-0-0-27 First_job]s ls
All bash script.docx Basic bash scripting 1.docx Endpoint and Transit Task1.docx Git&github final task.docx Web and apps server creation task.docx bash scripting tasks 3.docx cloudtask 2.docx Git and github task 1.docx task day 3.docx

[ec2-user@ip-168-0-0-27 First_job]s
```

3) Configure poll scm and build periodical options in jenkins job. Poll scm:



build periodical:



4) Take backup of jenkins server by using bash script

```
#!/bin/bash
# Jenkins home directory
JENKINS_HOME="/var/lib/jenkins"
# Backup directory
BACKUP_DIR="/root/backup_jenkins"

# Get the current date and time for the backup file name
CURRENT_DATE=$(date +"%Y-%m-%d_%H-%M-%S")
# Backup file name
BACKUP_FILE="jenkins_backup_$CURRENT_DATE.tar.gz"
# Create a backup
tar -czvf "$BACKUP_DIR/$BACKUP_FILE" -C "$JENKINS_HOME" |
# Print a message
echo "Backup completed: $BACKUP_DIR/$BACKUP_FILE"
```

```
./credentials.xml
./nodes/
./nodes/slavel/
./nodes/slavel/
./nodes/slavel/
./nodes/slave/
./fingerprints/
./fingerprints/
./fingerprints/
./pa/slave/
./fingerprints/
./pa/slave/
./fingerprints/
./pa/slave/
./fingerprints/
./pa/slave/
./fingerprints/
./pa/slave/
./fingerprints/
./pa/slave/
.
```

```
./fingerprints/21/
./fingerprints/21/9a/
./fingerprints/21/9a/
./fingerprints/21/9a/66975d982a8a7aa8276f7725c8e6.xml
./queue.xml.bak
./queue.x
```

5) Take backup of jenkins using rethin backup plugin.

```
jenkins.install.InstallUtil.lastExecVersion
jenkins.install.UpgradeHizard.state
jenkins.model.ArtifactManagerConfiguration.xml
jenkins.model.ArtifactManagerConfiguration.xml
jenkins.model.ArtifactManagerConfiguration.xml
jroot8jp-168-0-0-27 jenkins]# cd backup_thin/
[root8jp-168-0-0-27 jenkins]# cd backup_thin/
[root8jp-168-0-0-27 backup_thin]# cd FULL-2024-11-28_14-54/
[root8jp-168-0-0-27 FULL-2024-11-28_14-54]# [s
backup-completed.info
config.xml
config.xml
config.xml
jenkins.model.OlobalEingerprintConfiguration.xml
jenkins.model.OlobalEingerprintConfiguration.xml
jenkins.model.OlobalEingerprintConfiguration.xml
jenkins.model.OlobalEingerprintConfiguration.xml
jenkins.model.OlobalEingerprintConfiguration.xml
jenkins.model.OlobalComputerRetentionCheckIntervalConfiguration.xml
jenkins.model.OlobalComputerRetentionCheckIntervalConfiguration.xml
jenkins.model.OlobalComputerRetentionConfiguration.xml
jenkins.seucrity.ResourceDomainConfiguration.xml
jenkins.
```

6) Setup a new jenkins server and dump the backup taken in task4.

```
fingerprints
github-plugin-configuration.xml
hudson.model.Updatecenter.xml
hudson.plugins.build_timeout.operations.BuildStepOperation.xml
hudson.plugins.build_timeout.operations.BuildStepOperation.xml
hudson.plugins.operations.BuildStepOperation.xml
hudson.plugins.operations.BuildStepOperation.xml
hudson.plugins.operations.Come in the common in the c
```

```
jenkins.telemetry.Correlator.xml
jonkins.telemetry.Correlator.xml
jobs
logs
nodeMonitors.xml
nodeMonitors.xml
nodes
org.jenkinsci.plugins.displayurlapi.DefaultDisplayURLProviderGlobalConfiguration.xml
org.jenkinsci.plugins.github_branch_source.GitHubConfiguration.xml
org.jenkinsci.plugins.workflow.flow.GlobalDefaultPlowDurabilityLevel.xml
org.jenkinsci.plugins.workflow.libs.GlobalDefaultPlowDurabilityLevel.xml
org.jenkinsci.plugins.workflow.libs.GlobalUntrustedLibraries.xml
org.jenkinsci.plugins.workflow.libraries.xml
org.jenkinsci.plugins.workflow.libraries.xml
org.jenkinsci.plugins.workflow.libraries.xml
org.jenkinsci.plugins.workflow.libraries.xml
org.jenkinsci.plugins.workflow.libraries.xml
org.jenkinsci.plugins.workflow.libraries.xml
org.jenkinsci.plugins.workflow.libraries.xml
org.jenkinsci.pl
```