DevOps-Day 05:Task_Completed

Command:
jenkins ALL=(ALL) NOPASSWD: ALL
sudo systemctl restart ssh.service
sudo systemctl restart sshd.service

sudo apt update
sudo apt install openssh-server

sudo systemctl restart ssh

sudo systemctl status ssh

ls /etc/systemd/system/sshd.service or
 ls /usr/lib/systemd/system/sshd.service

sudo systemctl daemon-reload

sudo systemctl status ssh

sudo systemctl restart ssh.service

cat /home/sathiyaseelan/.minikube/profiles/minikube/client.key

```
pipeline {
    agent any
    tools{maven "maven"}
    environment {
        DOCKER_CREDENTIALS = credentials('docker_cred')
    }

    stages {
        stage('SCM') {
```

```
    steps {

        git branch: 'main', url: 'https://github.com/sathiyas1/guvi-day1.git'

    }

}


stage('Build-clean') {

    steps {

        sh "mvn clean"

    }

}

    stage('Build-validate') {

    steps {

        sh "mvn validate"

    }

}

    stage('Build-compile') {

    steps {

        sh "mvn compile"

    }

}

    stage('Build-test') {

    steps {

        sh "mvn test"

    }

}

    stage('Build-install') {

    steps {

        sh "mvn install"

    }
```

```
        }


        stage('Build Docker Image') {

            steps {

                script {

                    sh 'docker build -t sathiyaseelan12/web-app .'

                }

            }

        }


        stage('Push to Docker Hub') {

            steps {

                script {

                    docker.withRegistry('https://index.docker.io/v1/', 'docker_cred') {

                        sh 'docker push sathiyaseelan12/web-app'

                    }

                }

            }

        }


        stage('test') {

            steps {

                withKubeConfig(caCertificate: '', clusterName: 'minikube', contextName:
'minikube', credentialsId: 'minikube_cred', namespace: '', restrictKubeConfigAccess:
false, serverUrl: 'https://192.168.39.226:8443')

                sh 'kubectl apply -f deployment.yml --validate=false'

            }}

        }

}
```

Terminal window 1:
```
 * insecure-registry
 * hyperv-virtual-switch
 * disable-driver-mounts
 * cache
 * EmbedCerts
 * native-ssh
 * rootless
 * MaxAuditEntries

Available Commands:
  defaults      Lists all valid default values for PROPERTY_NAME
  get           Gets the value of PROPERTY_NAME from the minikube config file
  set           Sets an individual value in a minikube config file
  unset         unsets an individual value in a minikube config file
  view          Display values currently set in the minikube config file

Usage:
  minikube config SUBCOMMAND [flags] [options]

Use "minikube config <command> --help" for more information about a given command.
Use "minikube options" for a list of global command-line options (applies to all commands).
sathiyaseelan@sathiyaseelan:~/.kube$ sudo vi config
sathiyaseelan@sathiyaseelan:~/.kube$ kubectl get node
error: error loading config file "/home/sathiyaseelan/.kube/config": yaml: line 33: could not find expected ':'
sathiyaseelan@sathiyaseelan:~/.kube$ cd
sathiyaseelan@sathiyaseelan:~$ kubectl get node
error: error loading config file "/home/sathiyaseelan/.kube/config": yaml: line 33: could not find expected ':'
sathiyaseelan@sathiyaseelan:~$ cd ~/.kube
sathiyaseelan@sathiyaseelan:~/.kube$ sudo vi config
sathiyaseelan@sathiyaseelan:~/.kube$ cd
sathiyaseelan@sathiyaseelan:~$ kubectl get node
error: error loading config file "/home/sathiyaseelan/.kube/config": yaml: line 33: could not find expected ':'
sathiyaseelan@sathiyaseelan:~$ cd ~/.kube
sathiyaseelan@sathiyaseelan:~/.kube$ sudo vi config

[1]+  Stopped                 sudo vi config
sathiyaseelan@sathiyaseelan:~/.kube$ sudo vi config
sathiyaseelan@sathiyaseelan:~/.kube$ cd
sathiyaseelan@sathiyaseelan:~$ cd ~/.kube
sathiyaseelan@sathiyaseelan:~/.kube$ sudo vi config
sathiyaseelan@sathiyaseelan:~/.kube$ sudo vi config
sathiyaseelan@sathiyaseelan:~/.kube$ sudo rm -f  /home/sathiyaseelan/.kube/.config.swp
sathiyaseelan@sathiyaseelan:~/.kube$ sudo vi config
sathiyaseelan@sathiyaseelan:~/.kube$ kubectl get node
NAME       STATUS   ROLES           AGE   VERSION
minikube   Ready    control-plane   46h   v1.32.0
sathiyaseelan@sathiyaseelan:~/.kube$
```

Terminal window 2:
```
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo systemctl restart ssh.service
systemctl restart sshd.servicesudo systemctl restart ssh.servicesathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo systemctl status ssh.service
● ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
     Active: active (running) since Fri 2025-03-21 13:01:39 IST; 26s ago
       Docs: man:sshd(8)
             man:sshd_config(5)
    Process: 10123 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 10124 (sshd)
      Tasks: 1 (limit: 4624)
     Memory: 1.7M
     CGroup: /system.slice/ssh.service
             └─10124 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Mar 21 13:01:39 sathiyaseelan systemd[1]: Starting OpenBSD Secure Shell server...
Mar 21 13:01:39 sathiyaseelan sshd[10124]: Server listening on 0.0.0.0 port 22.
Mar 21 13:01:39 sathiyaseelan sshd[10124]: Server listening on :: port 22.
Mar 21 13:01:39 sathiyaseelan systemd[1]: Started OpenBSD Secure Shell server.
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo systemctl daemon-reload
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
     Active: active (running) since Fri 2025-03-21 13:01:39 IST; 59s ago
       Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 10124 (sshd)
      Tasks: 1 (limit: 4624)
     Memory: 1.7M
     CGroup: /system.slice/ssh.service
             └─10124 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

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Mar 21 13:01:39 sathiyaseelan systemd[1]: Started OpenBSD Secure Shell server.
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ ~/.kube/
-bash: /home/sathiyaseelan/.kube/: Is a directory
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ cd ~/.kube/
sathiyaseelan@sathiyaseelan:~/.kube$ ls
cache  config
sathiyaseelan@sathiyaseelan:~/.kube$ sudo config
sudo: config: command not found
sathiyaseelan@sathiyaseelan:~/.kube$ cd config
-bash: cd: config: Not a directory
sathiyaseelan@sathiyaseelan:~/.kube$ minikube config
config modifies minikube config files using subcommands like "minikube config set driver kvm2"
```

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\DELL> wsl
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ [sudo] password for sathiyaseelan:

[1]+ Exit 1   sudo dockerd --host=unix:///var/run/docker.sock > /dev/null 2>&1
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ minikube start
    minikube v1.35.0 on Ubuntu 22.04 (amd64)
    Using the docker driver based on existing profile
    Starting "minikube" primary control-plane node in "minikube" cluster
    Pulling base image v0.0.46 ...
    Updating the running docker "minikube" container ...
    Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
    Verifying Kubernetes components...
      Using image gcr.io/k8s-minikube/storage-provisioner:v5
    Enabled addons: storage-provisioner, default-storageclass
    Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ docker ps
CONTAINER ID   IMAGE   COMMAND   CREATED   STATUS   PORTS
                                                                                                    NAMES
ff9f5373dcbf   gcr.io/k8s-minikube/kicbase:v0.0.46   "/usr/local/bin/entr…"   46 hours ago   Up 8 minutes   127.0.0.1:32772->22/tcp, 127.0.0.1:32771-
>2376/tcp, 127.0.0.1:32770->5000/tcp, 127.0.0.1:32769->8443/tcp, 127.0.0.1:32768->32443/tcp   minikube
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo visudo
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo systemctl restart ssh.service
systemctl restart sshd.servicesudo systemctl restart sshd.servicesathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo systemctl status ssh.service
  ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
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Mar 21 13:01:39 sathiyaseelan systemd[1]: Started OpenBSD Secure Shell server.
sathiyaseelan@sathiyaseelan:/mnt/c/Users/DELL$ sudo systemctl daemon-reload

---

Jenkins

Dashboard > java-application > #2

#2 (Mar 21, 2025, 1:48:57 PM)

- Status
- Changes
- Console Output
- Edit Build Information
- Delete build '#2'
- Timings
- Git Build Data
- Pipeline Overview
- Pipeline Console
- Restart from Stage
- Replay
- Pipeline Steps
- Workspaces
- Previous Build

Add description   Keep this build forever

Started by user sathiya

Started 1 min 11 sec ago
Took 59 sec

This run spent:
- 14 ms waiting;
- 59 sec build duration;
- 59 sec total from scheduled to completion.

git   Revision: 8a94ad4dea4b21f3546f85b6d3bb6e8cf1266ce8
      Repository: https://github.com/sathiyas1/guvi-day1.git
      - refs/remotes/origin/main

No changes.

localhost:8080/job/java-application/2/changes

Jenkins

sathiya | log out

Dashboard > java-application

Status
Changes
Build Now
Configure
Delete Pipeline
Stages
Rename
Pipeline Syntax

✓ java-application

Add description

Permalinks

- Last build (#2), 1 min 16 sec ago
- Last stable build (#2), 1 min 16 sec ago
- Last successful build (#2), 1 min 16 sec ago
- Last failed build (#1), 2 min 41 sec ago
- Last unsuccessful build (#1), 2 min 41 sec ago
- Last completed build (#2), 1 min 16 sec ago

Builds

Filter

Today

✓ #2 1:48 PM
✗ #1 1:47 PM

REST API   Jenkins 2.492.2

Type here to search

13:50
21-03-2025

Jenkins

sathiya | log out

Dashboard > java-application

Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Stages
Rename
Pipeline Syntax

✓ java-application

Add description

Stage View

	Declarative: Tool Install	SCM	Build-clean	Build-validate	Build-compile	Build-test	Build-install	Build Docker Image	Push to Docker Hub	test
Average stage times: (full) run time: ~53s	188ms	2s	5s	3s	4s	5s	6s	840ms	18s	335ms
#4 16:04 No Changes	117ms	1s	3s	3s	4s	4s	5s	858ms	20s	
#3 14:50 No Changes	231ms	2s	8s	3s	6s	5s	6s	757ms	22s	335ms failed
#2 13:48 No Changes	138ms	1s	4s	3s	4s	6s	8s	715ms	29s	
#1 13:47 No Changes	266ms	5s	3s	3s	3s	4s	5s	1s failed	315ms failed	

Builds

Filter

Today

✓ #4 4:04 PM
✗ #3 2:50 PM
✓ #2 1:48 PM

Type here to search

16:05
21-03-2025