1)If you stop ec2 server after start public IP will change we need to provide that nwe ip to Jenkins.

Dashboard > Manage Jenkins > System >

Use this node as much as possible

Quiet period ?

5

SCM checkout retry count

0

☐ Restrict project naming

Jenkins Location

Jenkins URL ?
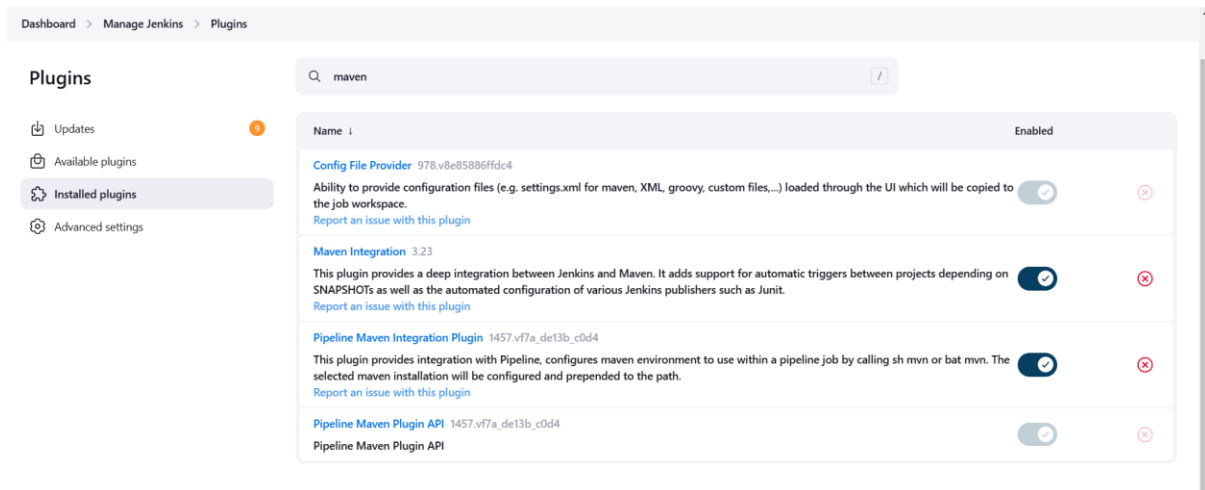
http://54.89.138.142:8080/

System Admin e-mail address ?

address not configured yet <nobody@nowhere>

Save   Apply

2)Set timezone UTC to IST

```
[root@ip-172-31-83-221 ~]# sudo unlink /etc/localtime
unlink: cannot unlink '/etc/localtime': No such file or directory
[root@ip-172-31-83-221 ~]# sudo ln -s /usr/share/zoneinfo/Asia/Kolkata /etc/localtime
[root@ip-172-31-83-221 ~]# date
Mon Oct 28 22:48:36 IST 2024
[root@ip-172-31-83-221 ~]#
```

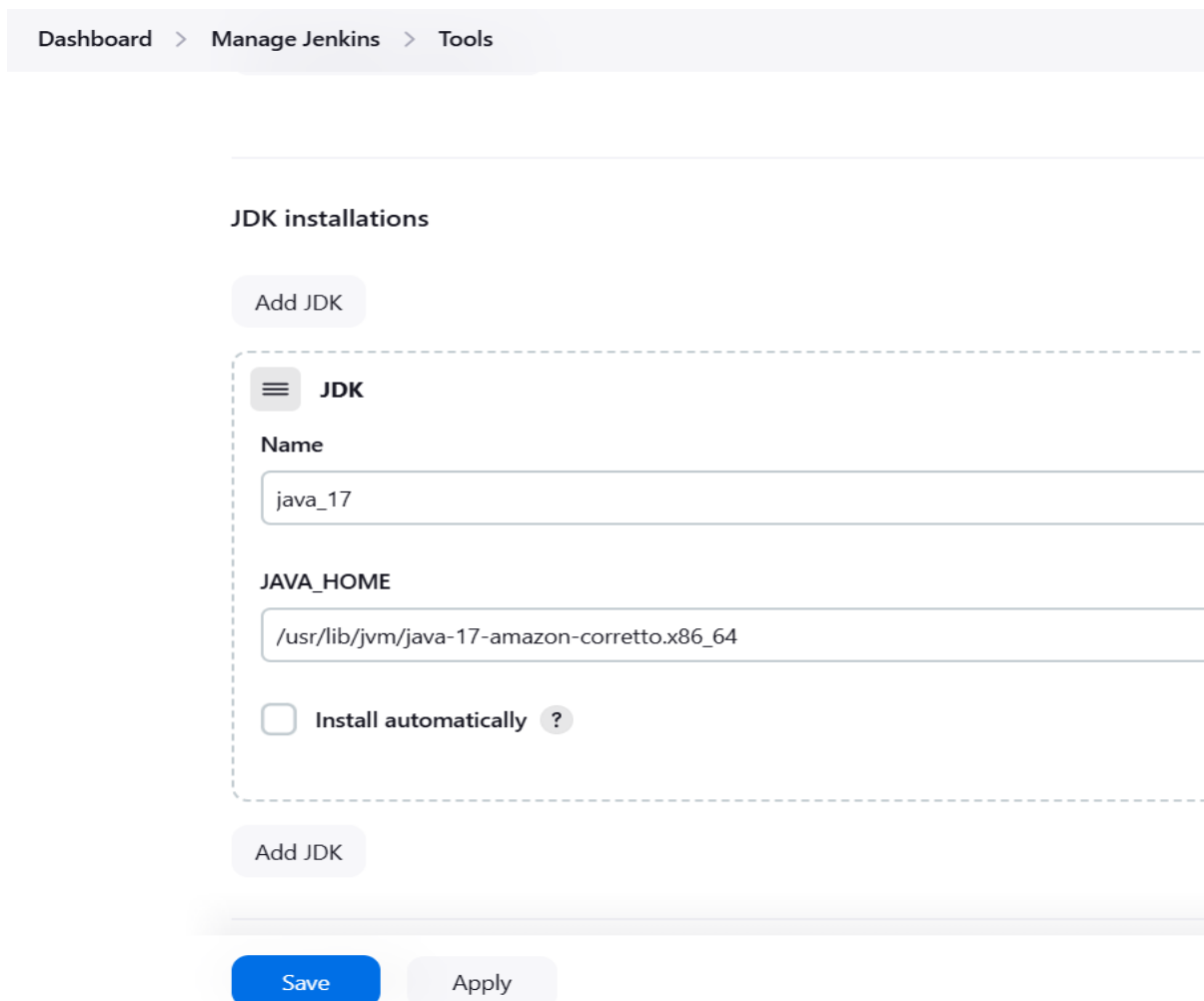## 3) Install Plugins and check your plugins are installed ready to use

Plugins

- Updates
- Available plugins
- Installed plugins
- Advanced settings

Q maven

Name ↓	Enabled
Config File Provider 978.v8e85886ffdc4 Ability to provide configuration files (e.g. settings.xml for maven, XML, groovy, custom files,...) loaded through the UI which will be copied to the job workspace. Report an issue with this plugin	
Maven Integration 3.23 This plugin provides a deep integration between Jenkins and Maven. It adds support for automatic triggers between projects depending on SNAPSHOTs as well as the automated configuration of various Jenkins publishers such as Junit. Report an issue with this plugin	
Pipeline Maven Integration Plugin 1457.vf7a_de13b_c0d4 This plugin provides integration with Pipeline, configures maven environment to use within a pipeline job by calling sh mvn or bat mvn. The selected maven installation will be configured and prepended to the path. Report an issue with this plugin	
Pipeline Maven Plugin API 1457.vf7a_de13b_c0d4 Pipeline Maven Plugin API	

4) Now, provide exact location of {java, git & maven}

Java:

JDK installations

Add JDK

≡ **JDK**

Name

java_17

JAVA_HOME

/usr/lib/jvm/java-17-amazon-corretto.x86_64

☐ Install automatically ?

Add JDK

Save   Apply

Git

Git installations

≡ **Git**

Name

Default

Path to Git executable ?

/usr/bin/git

☐ **Install automatically** ?

Add Git ˅

Gradle installations

Maven:

Add Ant

Maven installations

Add Maven

≡ **Maven**

Name

Maven_3.9.4

MAVEN_HOME

/opt/apache-maven-3.9.4

☐ **Install automatically** ?

Add Maven

Save   Apply

5) Create freestyle Job

New Item

Enter an item name

ping_5min

Select an item type

Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, fol
steps like archiving artifacts and sending email notifications.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configura

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines
workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple e

OK

6)In build trigger will se to ping in every min using crontab jobs

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

Source Code Management

○ None

○ Git ?

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☐ Build after other projects are built ?

☑ Build periodically ?

Schedule ?

```
*/1 * * * *
```

⚠ Do you really mean "every minute" when you say "*/1 * * * *"? Perhaps you meant "H * * * *" to poll once per hour
Would last have run at Monday, October 28, 2024 at 6:18:47 PM Coordinated Universal Time; would next run at Monday, October 28, 2024 at 6:18:47 PM
Coordinated Universal Time.

☐ GitHub hook trigger for GITScm polling ?

7)enter some script to execute shell

Configure

- ⚙ General
- ⅄ Source Code Management
- ⏱ Build Triggers
- 🌐 Build Environment
- ☰ **Build Steps**
- 📦 Post-build Actions

Build Steps

☰ **Execute shell** ?

Command

See the list of available environment variables

```
#!/bin/bash
ping -c 5 google.com
ping -c 5 yahoo.com
```

Advanced ⌄

Add build step ⌄

8 Job have been successfully run

- 📄 **Status**
- </> Changes
- 📁 Workspace
- ▷ Build Now
- ⚙ Configure
- 🗑 Delete Project
- ✏ Rename

✓ **ping_5min**

Permalinks

- Last build (#2), 18 sec ago
- Last stable build (#2), 18 sec ago
- Last successful build (#2), 18 sec ago
- Last completed build (#2), 18 sec ago

☀ **Build History**   trend ⌄

🔍 Filter...   /

✓ **#2**
| Oct 28, 2024, 6:24 PM

✓ **#1**
| Oct 28, 2024, 6:23 PM

🔊 Atom feed for all 🔊 Atom feed for failures

9)here is the (Freestyle_Ping_Every_5min

10) from here we can See logs/console output