

- 1) Create one jenkins job using the below code and create three stages.

Stage1: Git clone to download the source code.

Console output



Console Output

Download

Copy

View as plain

```
Started by user Mohammed Aslam
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Vprofile
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/betawins/VProfile-1.git
> git init /var/lib/jenkins/workspace/Vprofile # timeout=10
Fetching upstream changes from https://github.com/betawins/VProfile-1.git
> git --version # timeout=10
> git --version # 'git version 2.43.0'
> git fetch --tags --force --progress -- https://github.com/betawins/VProfile-1.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://github.com/betawins/VProfile-1.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision afc137167b41aaaffeaf82b81aee721ec883901 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f afc137167b41aaaffeaf82b81aee721ec883901 # timeout=10
Commit message: "Update README.md"
First time build. Skipping changelog.
Finished: SUCCESS
```

Jenkins folder screenshot

```
ubuntu@ip-172-31-15-55:/var/lib/jenkins$ cd workspace/
ubuntu@ip-172-31-15-55:/var/lib/jenkins/workspace$ ls
Vprofile
ubuntu@ip-172-31-15-55:/var/lib/jenkins/workspace$
```

Cloned items

```
ubuntu@ip-172-31-15-55:/var/lib/jenkins/workspace$ cd Vprofile/
ubuntu@ip-172-31-15-55:/var/lib/jenkins/workspace/Vprofile$ ls
Dockerfile README.md ansible azure-pipelines.yml pom.xml src
ubuntu@ip-172-31-15-55:/var/lib/jenkins/workspace/Vprofile$
```

stage2: Sonarqube Integration to check the quality of code

intalled java 1.8

installed my-sql 5.7

wget <https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm>

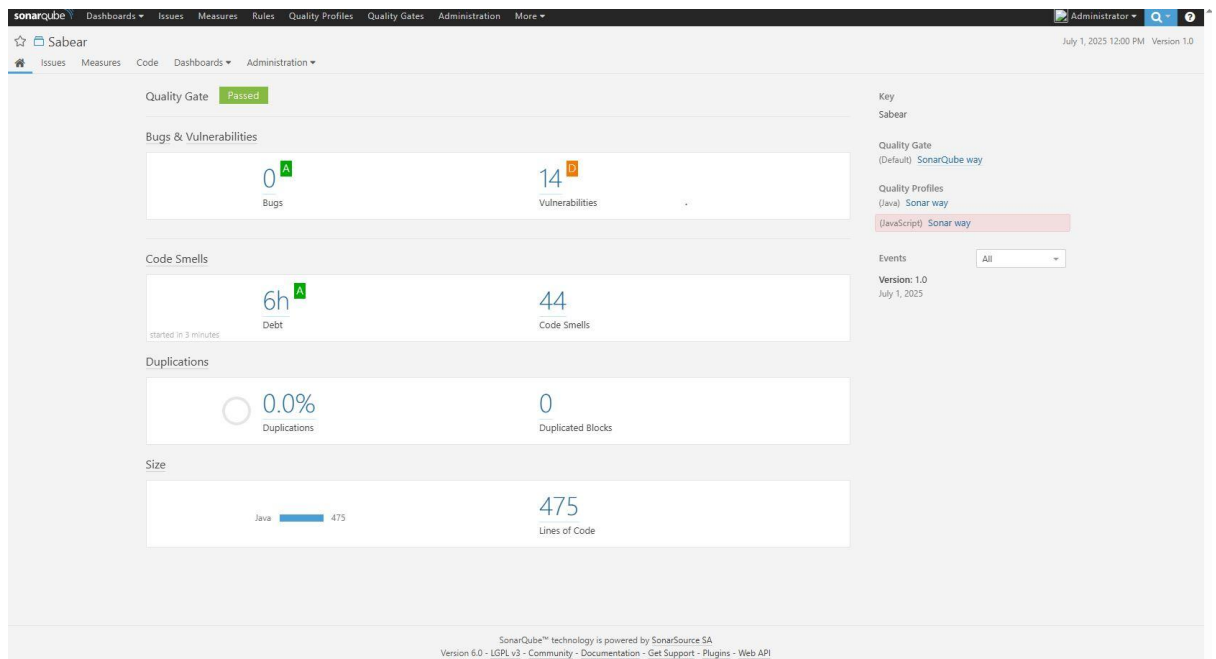
sudo yum localinstall mysql57-community-release-el7-11.noarch.rpm

rpm --import <https://repo.mysql.com/RPM-GPG-KEY-mysql-2022>

rpm --import https://repo.mysql.com/RPM-GPG-KEY-mysql-2022

installed Sonarqube and started

```
ubuntu@ip-172-31-6-120:/opt/sonar/bin/linux-x86-64$ ./sonar.sh start
Starting SonarQube...
Started SonarQube.
ubuntu@ip-172-31-6-120:/opt/sonar/bin/linux-x86-64$
```



vproject



SonarQube

SonarQube Quality Gate

Sabear **Passed**

server-side processing: **Success**

Permalinks

- [Last build \(#15\), 28 min ago](#)
- [Last stable build \(#15\), 28 min ago](#)
- [Last successful build \(#15\), 28 min ago](#)
- [Last failed build \(#14\), 34 min ago](#)
- [Last unsuccessful build \(#14\), 34 min ago](#)
- [Last completed build \(#15\), 28 min ago](#)

stage3: Slack Integration to send the alerts to slack.

 added an integration to this channel: [jenkins](#)



jenkins APP 12:29 PM

Slack/Jenkins plugin: you're all set on <http://35.170.66.193:8080/>

vproject - #16 Started by user Mohammed Aslam ([Open](#))

B I    

uRL: <https://github.com/betawins/VProfile-1.git>

- 2) 1) Create one jenkins job using the below code and create three stages.
stage1: Git clone to download the source code.

```
root@ip-172-31-2-167:/var/lib/jenkins/workspace# ls
hiring-app  vproject
root@ip-172-31-2-167:/var/lib/jenkins/workspace# cd hiring-app/
root@ip-172-31-2-167:/var/lib/jenkins/workspace/hiring-app# ls
Dockerfile  README.md  jenkinsfile-cicd  src
Jenkinsfile 'Untitled Diagram.drawio'  pom.xml
root@ip-172-31-2-167:/var/lib/jenkins/workspace/hiring-app# |
```

stage2: SonarQube Integration to check the quality of code

The image shows two screenshots of the SonarQube interface. The top screenshot is the 'Home' dashboard, and the bottom screenshot is the project details page for 'Aslam_project'.

Home Dashboard:

- Navigation bar: sonarqube, Dashboards, Issues, Measures, Rules, Quality Profiles, Quality Gates, Administration, More.
- Welcome message: "Welcome to SonarQube Dashboard. Since you are able to read this, it means that you have successfully started your SonarQube server. Well done!"
- PROJECTS table:

QG	Name	Version	LOC	Bugs	Vulnerabilities	Code Smells	Last Analysis
★	Aslam_project	3.0		0	0	0	07:29
★	Sabear	1.0	475	0	14	44	06:30

2 results

Project Details (Aslam_project):

- Quality Gate: **Passed**
- Bugs & Vulnerabilities: 0 Bugs, 0 Vulnerabilities
- Code Smells: 0 Debt, 0 Code Smells
- Key: Aslam
- Quality Gate: (Default) SonarQube way
- Events: All
- Version: 3.0
- July 1, 2025

Jenkins Dashboard > hiring-app > #3 > Console Output

Status Changes **Console Output** Edit Build Information Delete build '#3' Timings Git Build Data Previous Build

Console Output Download Copy View as plain text

```

Started by user Mohammed Aslam
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/hiring-app
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/hiring-app/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/betawins/hiring-app.git # timeout=10
Fetching upstream changes from https://github.com/betawins/hiring-app.git
> git --version # timeout=10
> git --version # 'git version 2.43.0'
> git fetch --tags --force --progress -- https://github.com/betawins/hiring-app.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 9405b107fdffdf68e69fe953ealf9669784f9d6a (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 9405b107fdffdf68e69fe953ealf9669784f9d6a # timeout=10
Commit message: "Update README.md"
> git rev-list --no-walk 9405b107fdffdf68e69fe953ealf9669784f9d6a # timeout=10
[hiring-app] $ /opt/sonar-scanner-old/bin/sonar-scanner -Dsonar.host.url=http://44.195.2.226:9000/ -Dsonar.projectKey=Aslam -Dsonar.projectName=Aslam_project -Dsonar.jacoco.reportPath=target/jacoco.exec -Dsonar.projectVersion=3.0 -Dsonar.sources=/var/lib/jenkins/workspace/hiring-app/src/ -Dsonar.java.binaries=src/main/java/com/visualpathit/account/ -Dsonar.binaries=target/classes/com/visualpathit/account/controller/ -Dsonar.junit.reportsPath=target/surefire-reports -Dsonar.projectBaseDir=/var/lib/jenkins/workspace/hiring-app /opt/sonar-scanner-old/bin/sonar-scanner: 53: [: not found
INFO: Scanner configuration file: /opt/sonar-scanner-old/conf/sonar-scanner.properties
INFO: Project root configuration file: NONE
INFO: SonarQube Scanner 3.3.0.1492
INFO: Java 1.8.0_121 Oracle Corporation (64-bit)
INFO: Linux 6.8.0-1029-aws amd64
INFO: User cache: /var/lib/jenkins/.sonar/cache
INFO: SonarQube server 6.0

```

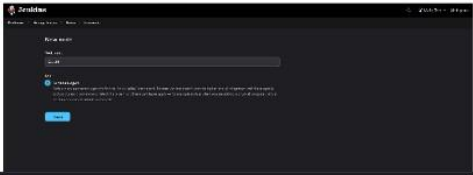
stage3: Slack Integration to send the alerts to slack.

devops-cloud-status-13 20 6

Messages Add canvas Files +

Today

1) Configure 2 slave machines in jenkins master.



jenkins APP 12:49 PM

- vproject - #16 Aborted after 20 min ([Open](#))
- Slack/Jenkins plugin: you're all set on <http://35.170.66.193:8080/>
- hiring-app - #1 Failure after 0.35 sec ([Open](#))
- hiring-app - #2 Started by user Mohammed Aslam ([Open](#))
- hiring-app - #2 Still Failing after 4.4 sec ([Open](#))
- hiring-app - #3 Started by user Mohammed Aslam ([Open](#))
- hiring-app - #3 Success after 7.2 sec ([Open](#))

URL: <https://github.com/betawins/hiring-app.git>