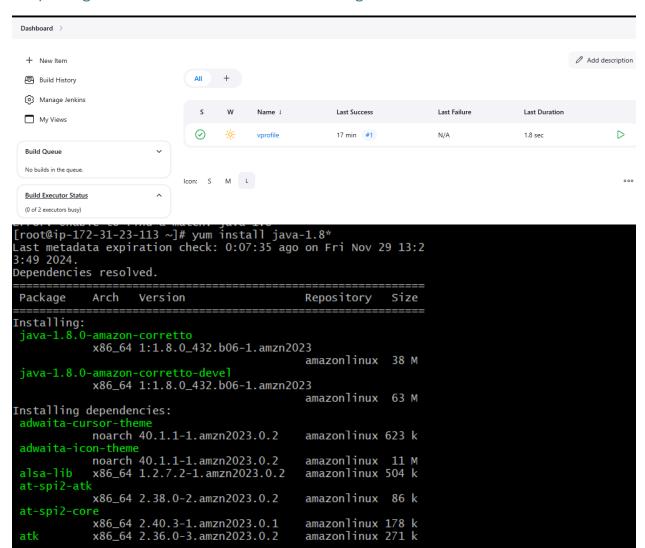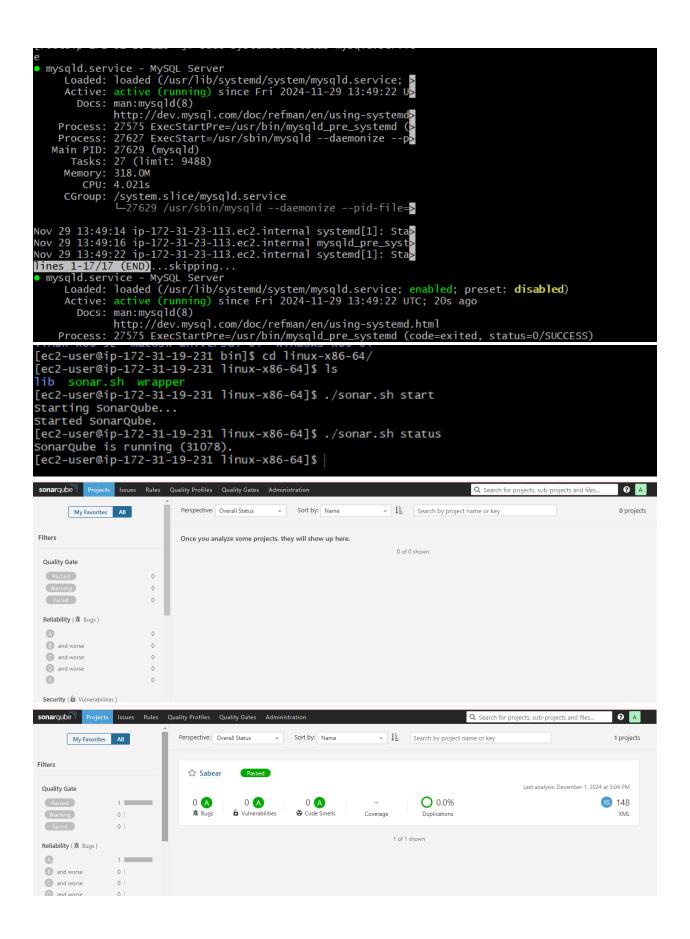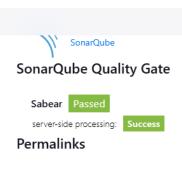# Jenkins-03

1) Create one jenkins job using the below code and create three stages. stage1: Git clone to download the source code.stage2: Sonarqube Integration to check the quality of code stage3: Slack Integration to send the alerts to slack. URL: https://github.com/betawins/VProfile-1.git


```
[root@ip-172-31-23-113 ~]# yum install java-1.8*
Last metadata expiration check: 0:07:35 ago on Fri Nov 29 13:2
3:49 2024.
Dependencies resolved.
=========================================================
 Package      Arch      Version                    Repository    Size
=========================================================
Installing:
 java-1.8.0-amazon-corretto
              x86_64  1:1.8.0_432.b06-1.amzn2023
                                              amazonlinux   38 M
 java-1.8.0-amazon-corretto-devel
              x86_64  1:1.8.0_432.b06-1.amzn2023
                                              amazonlinux   63 M
Installing dependencies:
 adwaita-cursor-theme
              noarch  40.1.1-1.amzn2023.0.2      amazonlinux  623 k
 adwaita-icon-theme
              noarch  40.1.1-1.amzn2023.0.2      amazonlinux   11 M
 alsa-lib     x86_64  1.2.7.2-1.amzn2023.0.2     amazonlinux  504 k
 at-spi2-atk
              x86_64  2.38.0-2.amzn2023.0.2      amazonlinux   86 k
 at-spi2-core
              x86_64  2.40.3-1.amzn2023.0.1      amazonlinux  178 k
 atk          x86_64  2.36.0-3.amzn2023.0.2      amazonlinux  271 k
```

```
e
● mysqld.service - MySQL Server
     Loaded: loaded (/usr/lib/systemd/system/mysqld.service;>
     Active: active (running) since Fri 2024-11-29 13:49:22 U>
       Docs: man:mysqld(8)
             http://dev.mysql.com/doc/refman/en/using-systemd>
    Process: 27575 ExecStartPre=/usr/bin/mysqld_pre_systemd (>
    Process: 27627 ExecStart=/usr/sbin/mysqld --daemonize --p>
   Main PID: 27629 (mysqld)
      Tasks: 27 (limit: 9488)
     Memory: 318.0M
        CPU: 4.021s
     CGroup: /system.slice/mysqld.service
             └─27629 /usr/sbin/mysqld --daemonize --pid-file=>

Nov 29 13:49:14 ip-172-31-23-113.ec2.internal systemd[1]: Sta>
Nov 29 13:49:16 ip-172-31-23-113.ec2.internal mysqld_pre_syst>
Nov 29 13:49:22 ip-172-31-23-113.ec2.internal systemd[1]: Sta>
lines 1-17/17 (END)...skipping...
● mysqld.service - MySQL Server
     Loaded: loaded (/usr/lib/systemd/system/mysqld.service; enabled; preset: disabled)
     Active: active (running) since Fri 2024-11-29 13:49:22 UTC; 20s ago
       Docs: man:mysqld(8)
             http://dev.mysql.com/doc/refman/en/using-systemd.html
    Process: 27575 ExecStartPre=/usr/bin/mysqld_pre_systemd (code=exited, status=0/SUCCESS)
```

```
[ec2-user@ip-172-31-19-231 bin]$ cd linux-x86-64/
[ec2-user@ip-172-31-19-231 linux-x86-64]$ ls
lib  sonar.sh  wrapper
[ec2-user@ip-172-31-19-231 linux-x86-64]$ ./sonar.sh start
Starting SonarQube...
Started SonarQube.
[ec2-user@ip-172-31-19-231 linux-x86-64]$ ./sonar.sh status
SonarQube is running (31078).
[ec2-user@ip-172-31-19-231 linux-x86-64]$
```

sonarqube | Projects | Issues | Rules | Quality Profiles | Quality Gates | Administration | Search for projects, sub-projects and files... | A

My Favorites | All

Perspective: Overall Status   Sort by: Name   Search by project name or key   0 projects

Filters

Quality Gate

Passed | 0
Warning | 0
Failed | 0

Once you analyze some projects, they will show up here.

0 of 0 shown

Reliability (Bugs)

A | 0
B and worse | 0
C and worse | 0
D and worse | 0
E | 0

Security (Vulnerabilities)

sonarqube | Projects | Issues | Rules | Quality Profiles | Quality Gates | Administration | Search for projects, sub-projects and files... | A

My Favorites | All

Perspective: Overall Status   Sort by: Name   Search by project name or key   1 projects

Filters

Quality Gate

Passed | 1
Warning | 0
Failed | 0

☆ Sabear   Passed

Last analysis: December 1, 2024 at 3:04 PM

0 A Bugs | 0 A Vulnerabilities | 0 A Code Smells | — Coverage | 0.0% Duplications | XS 148 XML

1 of 1 shown

Reliability (Bugs)

A | 1
B and worse | 0
C and worse | 0
D and worse | 0

SonarQube

SonarQube Quality Gate

Sabear Passed

server-side processing: Success

Permalinks

- Last build (#2), 36 min ago
- Last stable build (#2), 36 min ago
- Last successful build (#2), 36 min ago
- Last completed build (#2), 36 min ago

Rakesh Pagidimarri 3:29 PM
added an integration to this channel: jenkins

jenkins APP 3:39 PM
Slack/Jenkins plugin: you're all set on http://35.173.221.171:8080/

jenkins APP 3:46 PM
vprofile - #6 Started by user admin (Open)

vprofile - #6 Success after 9.2 sec (Open)

jenkins APP 4:42 PM
vprofile - #7 Started by user admin (Open)

vprofile - #7 Failure after 2.5 sec (Open)

vprofile - #8 Started by user admin (Open)

2) 1) Create one jenkins job using the below code and create three stages. stage1: Git clone to download the source code. stage2: Sonarqube Integration to check the quality of code stage3: Slack Integration to send the alerts to slack. URL: https://github.com/betawins/hiring-app.git

```
Last metadata expiration check: 2:40:52 ago on Sun Dec  1 07:52:01 202
4.
Package docker-25.0.6-1.amzn2023.0.2.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-19-231 ~]# docker images
Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is
 the docker daemon running?
[root@ip-172-31-19-231 ~]# ^C
[root@ip-172-31-19-231 ~]# sudo systemctl start docker
[root@ip-172-31-19-231 ~]# sudo systemctl status docker
● docker.service - Docker Application Container Engine
     Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled>
     Active: active (running) since Sun 2024-12-01 10:33:53 UTC; 12s >
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
    Process: 37095 ExecStartPre=/bin/mkdir -p /run/docker (code=exite>
    Process: 37096 ExecStartPre=/usr/libexec/docker/docker-setup-runt>
   Main PID: 37097 (dockerd)
      Tasks: 8
     Memory: 30.8M
        CPU: 364ms
     CGroup: /system.slice/docker.service
             └─37097 /usr/bin/dockerd -H fd:// --containerd=/run/cont>

Dec 01 10:33:52 ip-172-31-19-231.ec2.internal systemd[1]: Starting do>
Dec 01 10:33:52 ip-172-31-19-231.ec2.internal dockerd[37097]: time="2>
Dec 01 10:33:52 ip-172-31-19-231.ec2.internal dockerd[37097]: time="2>
Dec 01 10:33:52 ip-172-31-19-231.ec2.internal dockerd[37097]: time="2>
Dec 01 10:33:53 ip-172-31-19-231.ec2.internal dockerd[37097]: time="2>
Dec 01 10:33:53 ip-172-31-19-231.ec2.internal dockerd[37097]: time="2>
Dec 01 10:33:53 ip-172-31-19-231.ec2.internal dockerd[37097]: time="2>

[root@ip-172-31-19-231 ~]# sudo systemctl enable docker
Created symlink /etc/systemd/system/multi-user.target.wants/docker.ser
vice → /usr/lib/systemd/system/docker.service.
[root@ip-172-31-19-231 ~]# docker images
REPOSITORY   TAG      IMAGE ID   CREATED    SIZE
[root@ip-172-31-19-231 ~]# |
```

Not secure   23.22.248.33:9002/sessions/new?return_to=%2F

sonar

Log in to SonarQube

Login *

Password *

Go back   Log in

⭐ Sabear / ⇅ main ✓ ⌄ ?

Overview   Issues   Security Hotspots   Measures   Code   Activity   Project Settings ⌄   Project Information

✓ **Passed**

New Code   **Overall Code**

Security

0 Open issues   A

Reliability

3 Open issues   C

Maintainability

0 Open issues   A

Accepted issues

0   🕐

Valid issues that were not fixed

Coverage

On 0 lines to cover.

Duplications

0.0%   ⚪

On **14** lines.

Security Hotspots

0   A

🔴 **Rakesh Pagidimarri** 3:29 PM
added an integration to this channel: jenkins

🤖 **jenkins** APP 3:39 PM
Slack/Jenkins plugin: you're all set on http://35.173.221.171:8080/

🤖 **jenkins** APP 3:46 PM
vprofile - #6 Started by user admin (Open)

vprofile - #6 Success after 9.2 sec (Open)

🤖 **jenkins** APP 4:42 PM
vprofile - #7 Started by user admin (Open)

vprofile - #7 Failure after 2.5 sec (Open)

vprofile - #8 Started by user admin (Open)

vprofile - #8 Still Failing after 1.2 sec (Open)

hiring-app - #21 Failure after 1.2 sec (Open)

🤖 **jenkins** APP 7:02 PM
hirring_app - #22 Started by user rakesh (Open)

hirring_app - #22 Success after 28 sec (Open)

🤖 **jenkins** APP 7:06 PM