

# Netflix-DevSecOps-CI-CD-Pipeline

## Tools Used:

Category	Tools
<b>Version Control</b>	Git, GitHub
<b>CI/CD</b>	Jenkins
<b>Security</b>	SonarQube, Trivy, OWASP Dependency-Check
<b>Containerization</b>	Docker
<b>Cloud Provider</b>	AWS EC2 (Ubuntu 22.04), Kubernetes (EKS or kubeadm-based cluster)
<b>Monitoring</b>	Prometheus, Grafana, Node Exporter
<b>Deployment</b>	ArgoCD
<b>Notifications</b>	Jenkins Email Extension Plugin (SMTP setup)
<b>Package Management</b>	Helm

## Phases Overview:

### Phase 1: Initial Setup & Deployment

- Launch EC2 instance
- Clone Netflix clone app repo
- Install Docker & run container
- Inject TMDB API Key

### Phase 2: Security

- Install & configure:
  - SonarQube for code quality scanning
  - Trivy for image and filesystem vulnerability scanning
  - OWASP Dependency-Check for known CVE detection

### Phase 3: CI/CD Automation

- Install Jenkins
- Configure tools: JDK, Node.js, SonarQube Scanner
- Create a Jenkins pipeline:
  - Git checkout
  - SonarQube analysis
  - Quality Gate validation
  - Dependency installation
  - Vulnerability scans (OWASP + Trivy)
  - Docker build, tag, and push
  - Container deployment

### Phase 4: Monitoring

- Install and configure:
  - Prometheus for metric scraping
  - Node Exporter for system metrics
  - Grafana with Prometheus as data source
- Monitor Jenkins and app performance

#### Phase 5: Notifications

- Email notifications for build status using Jenkins Email Plugin

#### Phase 6: Kubernetes & ArgoCD Deployment

- Create Kubernetes cluster and nodegroups
  - Install Node Exporter using Helm
  - Add Netflix app to Prometheus scrape config
  - Install & configure ArgoCD
  - Define application in ArgoCD
  - Access deployed app on NodePort
- Phase 7: Cleanup
- Terminate unused AWS EC2 resources to save costs

Activities Terminator Jul 6 18:24 dell@mahesh: ~/project dell@mahesh: ~/project 104x23

```
dell@mahesh:~/project$ ls
dell@mahesh:~/project$ pwd
/home/dell/project
dell@mahesh:~/project$
```

Activities Terminator Jul 6 18:25 dell@mahesh: ~/project/DevSecOps-Project dell@mahesh: ~/project/DevSecOps-Project 104x23

```
dell@mahesh:~/project$ git clone https://github.com/N4si/DevSecOps-Project.git
Cloning into 'DevSecOps-Project'...
remote: Enumerating objects: 766, done.
remote: Counting objects: 100% (112/112), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 766 (delta 100), reused 98 (delta 98), pack-reused 654 (from 1)
Receiving objects: 100% (766/766), 13.51 MiB | 3.56 MiB/s, done.
Resolving deltas: 100% (401/401), done.
dell@mahesh:~/project$ ls
DevSecOps-Project
dell@mahesh:~/project$ cd DevSecOps-Project/
dell@mahesh:~/project/DevSecOps-Project$ ls
Dockerfile  Kubernetes  pipeline.txt  README.md  tsconfig.json      vercel.json    yarn.lock
index.html   package.json  public       src        tsconfig.node.json vite.config.ts
dell@mahesh:~/project/DevSecOps-Project$
```

Activities Terminator Jul 6 18:25

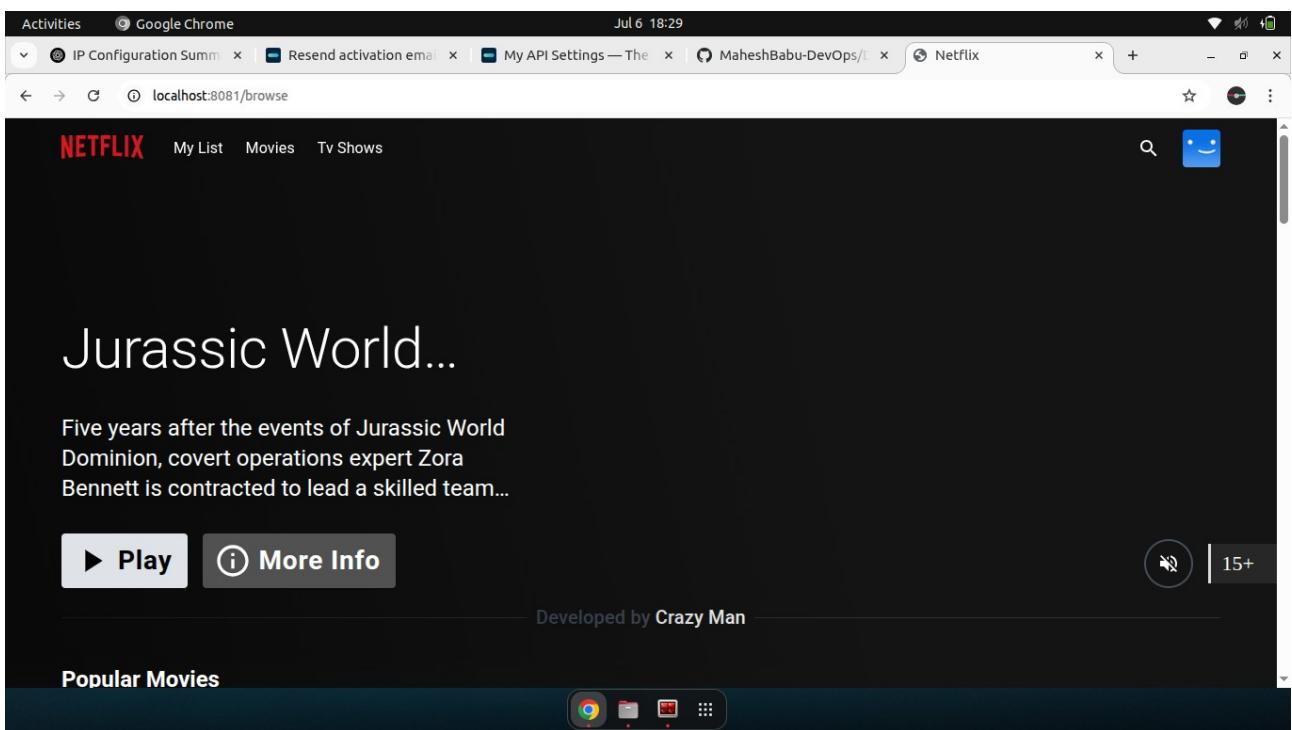
```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 104x23
dell@mahesh:~/project/DevSecOps-Project$ docker --version
Docker version 28.3.0, build 38b7060
dell@mahesh:~/project/DevSecOps-Project$
```

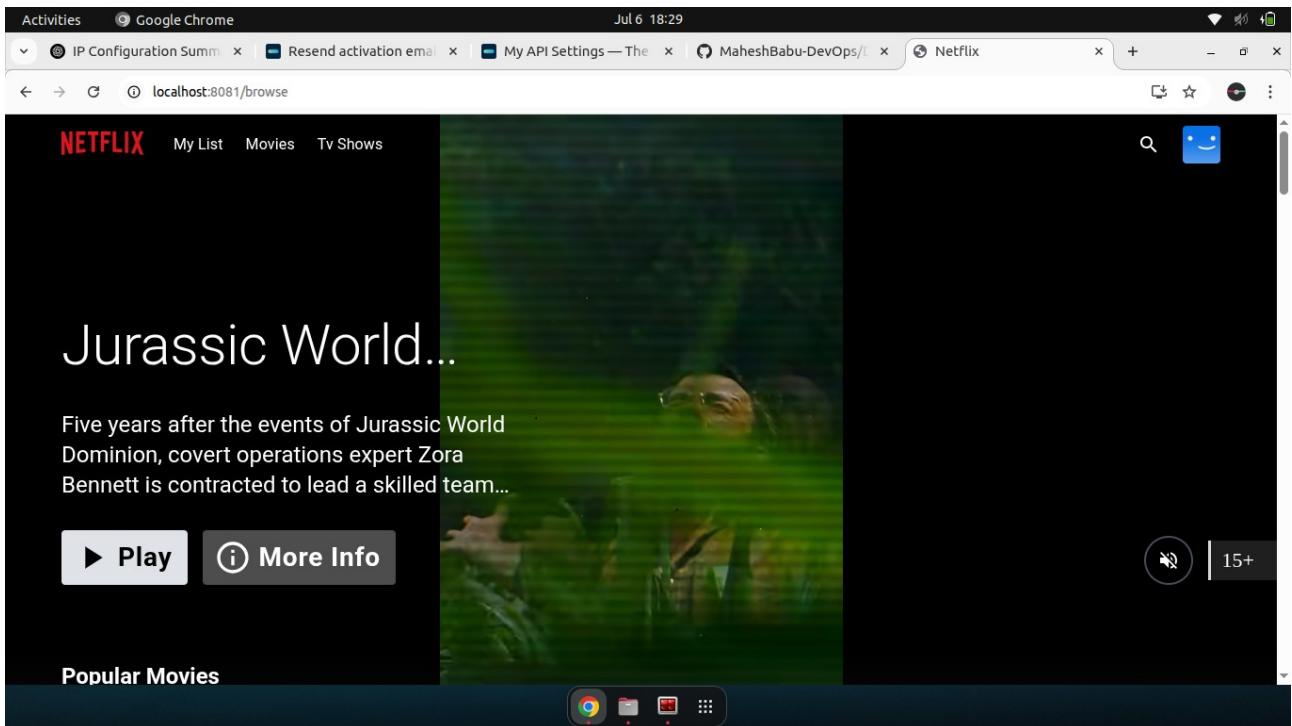
Activities Terminator Jul 6 18:26

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 122x27
dell@mahesh:~/project/DevSecOps-Project$ docker --version
Docker version 28.3.0, build 38b7060
dell@mahesh:~/project/DevSecOps-Project$ docker images
REPOSITORY      TAG      IMAGE ID      CREATED      SIZE
dell@mahesh:~/project/DevSecOps-Project$
```

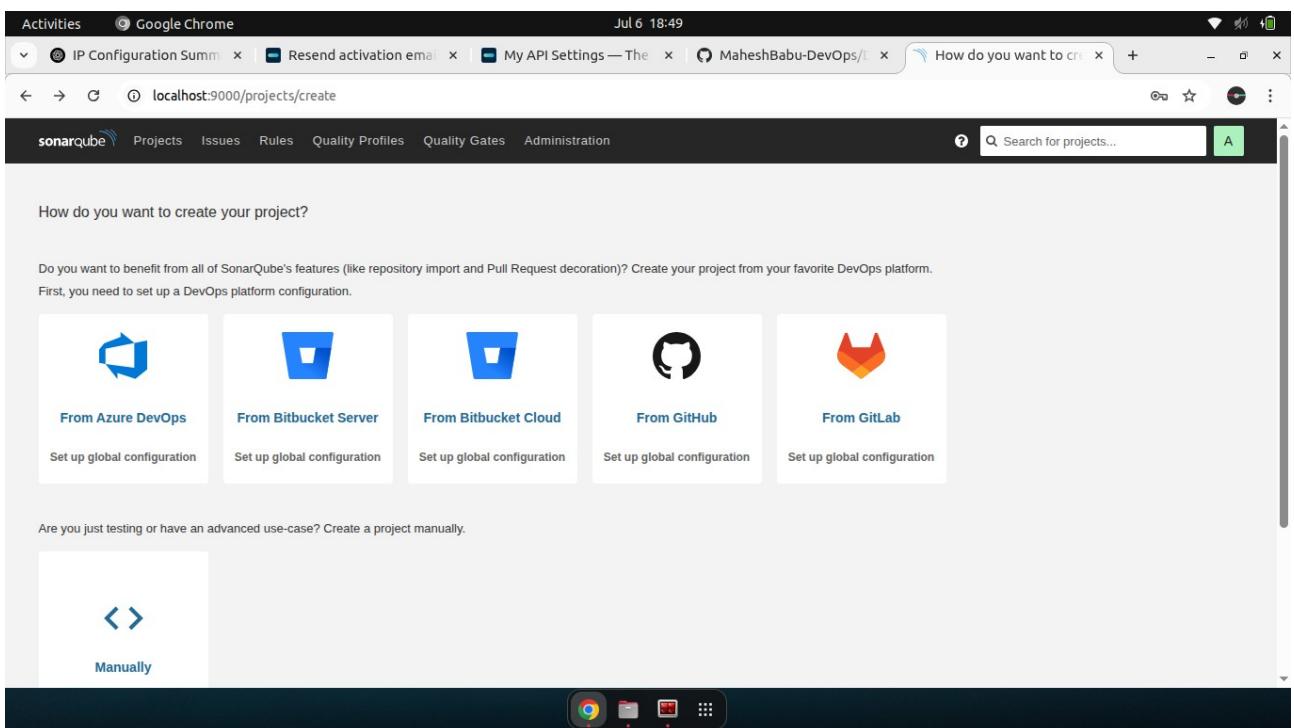
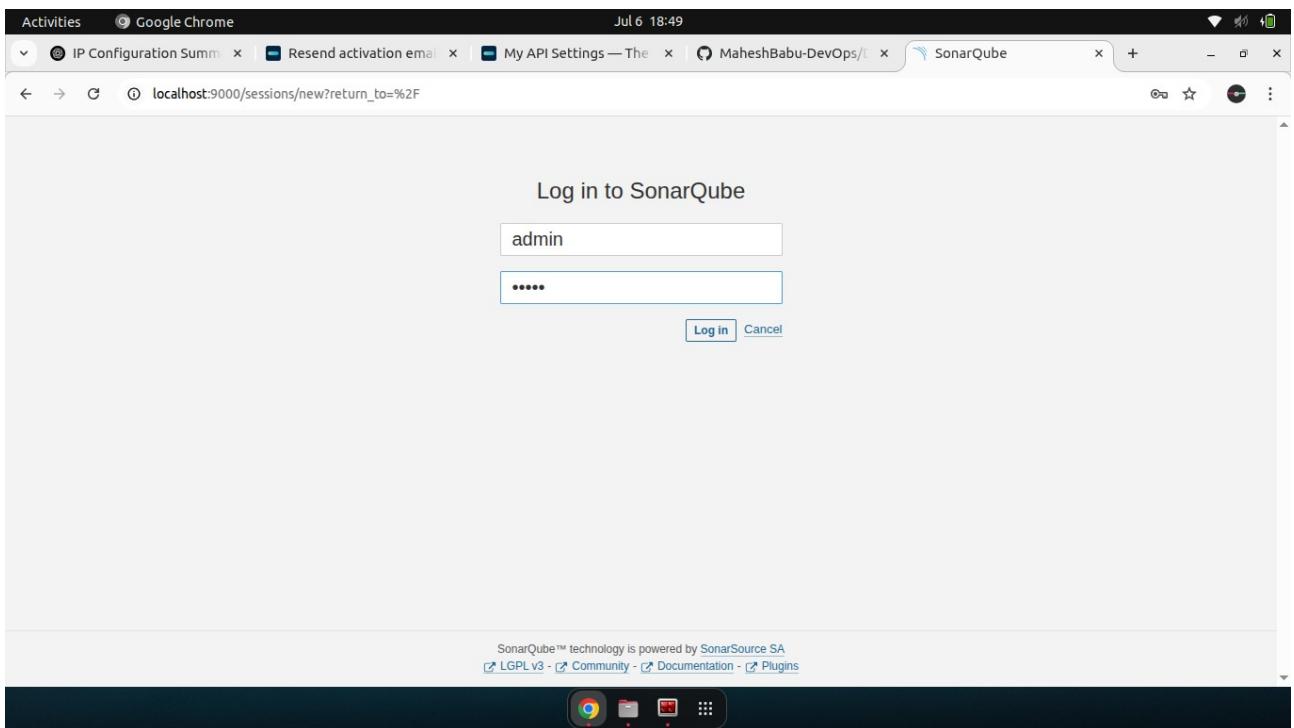
Activities Terminator Jul 6 18:29

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ docker run -d --name netflix -p 8081:80 netflix:latest
3c4ba7045ad9206a7ec7dd6f75f16f4da82ed4bc2642142060a3b1cc7e7ce1722
dell@mahesh:~/project/DevSecOps-Project$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
3c4ba7045ad9 netflix:latest "nginx -g 'daemon off;" 4 seconds ago Up 3 seconds 0.0.0.0:8081->80/tcp, [::]:8081->80/tcp netflix
dell@mahesh:~/project/DevSecOps-Project$
```





```
Activities Terminator Jul 6 18:30
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ docker run -d --name sonar -p 9000:9000 sonarqube:lts-community
Unable to find image 'sonarqube:lts-community' locally
lts-community: Pulling from library/sonarqube
e735f3a6b701: Downloading [=====>] 22.01MB/29.54MB
25706e9e719c: Downloading [=====>] 15.36MB/16.15MB
5006e0852115: Downloading [=====>] 12.88MB/46.96MB
e412a6aa107b: Waiting
a023b21e1d61: Waiting
9ab0fd257737: Waiting
036eda256d37: Waiting
4f4fb700ef54: Waiting
```



Activities Terminator Jul 6 18:51

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
9e72d11e348b sonarqube:lts-community "/opt/sonarqube/docker..." 16 minutes ago Up 16 minutes 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp sonar
3c4ba7045ad9 netflix:latest "nginx -g 'daemon off;'" 19 minutes ago Up 19 minutes 0.0.0.0:8081->80/tcp, [::]:8081->80/tcp netfl
ix
dell@mahesh:~/project/DevSecOps-Project$
```

Activities Terminator Jul 6 18:52

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ sudo apt-get install wget apt-transport-https gnupg lsb-release
wget -qO - https://aquasecurity.github.io/trivy-repo/deb/public.key | sudo apt-key add -
echo deb https://aquasecurity.github.io/trivy-repo/deb $(lsb_release -sc) main | sudo tee -a /etc/apt/sources.list.d/trivy.list
sudo apt-get update
sudo apt-get install trivy
[sudo] password for dell:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
lsb-release is already the newest version (11.1.0ubuntu4).
lsb-release set to manually installed.
gnupg is already the newest version (2.2.27-3ubuntu2.3).
gnupg set to manually installed.
wget is already the newest version (1.21.2-2ubuntu1.1).
The following NEW packages will be installed:
  apt-transport-https
0 upgraded, 1 newly installed, 0 to remove and 8 not upgraded.
Need to get 1,510 B of archives.
After this operation, 170 kB of additional disk space will be used.
Do you want to continue? [Y/n] ■
```

```
Activities Terminator Jul 6 18:53
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 135x30
dell@mahesh:~/project/DevSecOps-Project$ trivy --version
Version: 0.64.1
dell@mahesh:~/project/DevSecOps-Project$
```

```
Activities Terminator Jul 6 18:53
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 135x30
dell@mahesh:~/project/DevSecOps-Project$ trivy --version
Version: 0.64.1
dell@mahesh:~/project/DevSecOps-Project$ ls
Dockerfile  Kubernetes  pipeline.txt  README.md  tsconfig.json    vercel.json   yarn.lock
index.html  package.json  public        src       tsconfig.node.json vite.config.ts
dell@mahesh:~/project/DevSecOps-Project$ trivy fs .
2025-07-06T18:53:43+05:30      INFO  [vulndb] Need to update DB
2025-07-06T18:53:43+05:30      INFO  [vulndb] Downloading vulnerability DB...
2025-07-06T18:53:43+05:30      INFO  [vulndb] Downloading artifact...          repo="mirror.gcr.io/aquasec/trivy-db:2"
35.06 MiB / 66.39 MiB [----->-----] 52.81% 4.17 MiB p/s ETA 7s
```

```

Activities Terminator Jul 6 18:54
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 225x48

2025-07-06T18:53:43+05:30 INFO [vulndb] Need to update DB
2025-07-06T18:53:43+05:30 INFO [vulndb] Downloading vulnerability DB...
2025-07-06T18:53:43+05:30 INFO [vulndb] Downloading artifact... repo="mirror.gcr.io/aquasec/trivy-db:2"
66.39 MiB / 66.39 MiB [.....] 100.00% 3.29 MiB p/s 20s
2025-07-06T18:54:04+05:30 INFO [vulndb] Artifact successfully downloaded repo="mirror.gcr.io/aquasec/trivy-db:2"
2025-07-06T18:54:04+05:30 INFO [vuln] Vulnerability scanning is enabled
2025-07-06T18:54:04+05:30 INFO [secret] Secret scanning is enabled
2025-07-06T18:54:04+05:30 INFO [secret] If your scanning is slow, please try '--scanners vuln' to disable secret scanning
2025-07-06T18:54:04+05:30 INFO [secret] Please see also https://trivy.dev/v0.64/docs/scanner/secret#recommendation for faster secret detection
2025-07-06T18:54:04+05:30 INFO Suppressing dependencies for development and testing. To display them, try the '--include-dev-deps' flag.
2025-07-06T18:54:04+05:30 INFO Number of language-specific files num=1
2025-07-06T18:54:04+05:30 INFO [yarn] Detecting vulnerabilities...

Report Summary



| Target    | Type | Vulnerabilities | Secrets |
|-----------|------|-----------------|---------|
| yarn.lock | yarn | 4               | -       |



Legend:
- '-' : Not scanned
- '0' : Clean (no security findings detected)

yarn.lock (yarn)
Total: 4 (UNKNOWN: 0, LOW: 1, MEDIUM: 2, HIGH: 1, CRITICAL: 0)



| Library         | Vulnerability  | Severity | Status | Installed Version           | Fixed Version                                                                                                 | Title                                                                                                                   |
|-----------------|----------------|----------|--------|-----------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| @babel/runtime  | CVE-2025-27789 | MEDIUM   | fixed  | 7.28.0                      | 7.26.10, 8.0.0-alpha.17                                                                                       | Babel is a compiler for writing next generation JavaScript. When using ..... https://avd.aquasec.com/nvd/cve-2025-27789 |
|                 |                |          |        | 7.20.13                     |                                                                                                               |                                                                                                                         |
| brace-expansion | CVE-2025-5889  | LOW      | 1.1.11 | 2.0.2, 1.1.12, 3.0.1, 4.0.1 | brace-expansion: juliangruber brace-expansion index.js expand redos https://avd.aquasec.com/nvd/cve-2025-5889 |                                                                                                                         |
| json5           | CVE-2022-46175 | HIGH     |        | 2.2.1                       | 2.2.2, 1.0.2                                                                                                  | json5: Prototype Pollution in JSON5 via Parse Method https://avd.aquasec.com/nvd/cve-2022-46175                         |



dell@mahesh:~/project/DevSecOps-Project$
```

```

Activities Terminator Jul 6 18:55
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 193x39

After this operation, 154 MB of additional disk space will be used.
Getfile https://aquasecurity.github.io/trivy-repo/deb jammy/main amd64 trivy amd64 0.64.1 [45.6 MB]
Fetched 45.6 MB in 11s (4,263 kB/s)
Selecting previously unselected package trivy.
(Reading database ... 250328 files and directories currently installed.)
Preparing to unpack .../trivy_0.64.1_amd64.deb ...
Unpacking trivy (0.64.1) ...
Setting up trivy (0.64.1) ...
dell@mahesh:~/project/DevSecOps-Project$ dell@mahesh:~/project/DevSecOps-Project$ trivy --version
Version: 0.64.1
dell@mahesh:~/project/DevSecOps-Project$ ls
Dockerfile Kubernete pipeline.txt README.md tsconfig.json vercel.json yarn.lock
index.html package.json public src tsconfig.node.json vite.config.ts
dell@mahesh:~/project/DevSecOps-Project$ trivy fs .
2025-07-06T18:53:43+05:30 INFO [vulndb] Need to update DB
2025-07-06T18:53:43+05:30 INFO [vulndb] Downloading vulnerability DB...
2025-07-06T18:53:43+05:30 INFO [vulndb] Downloading artifact... repo="mirror.gcr.io/aquasec/trivy-db:2"
66.39 MiB / 66.39 MiB [.....] 100.00% 3.29 MiB p/s 20s
2025-07-06T18:54:04+05:30 INFO [vulndb] Artifact successfully downloaded repo="mirror.gcr.io/aquasec/trivy-db:2"
2025-07-06T18:54:04+05:30 INFO [vuln] Vulnerability scanning is enabled
2025-07-06T18:54:04+05:30 INFO [secret] Secret scanning is enabled
2025-07-06T18:54:04+05:30 INFO [secret] If your scanning is slow, please try '--scanners vuln' to disable secret scanning
2025-07-06T18:54:04+05:30 INFO [secret] Please see also https://trivy.dev/v0.64/docs/scanner/secret#recommendation for faster secret detection
2025-07-06T18:54:04+05:30 INFO Suppressing dependencies for development and testing. To display them, try the '--include-dev-deps' flag.
2025-07-06T18:54:04+05:30 INFO Number of language-specific files num=1
2025-07-06T18:54:04+05:30 INFO [yarn] Detecting vulnerabilities...

Report Summary



| Target    | Type | Vulnerabilities | Secrets |
|-----------|------|-----------------|---------|
| yarn.lock | yarn | 4               | -       |



Legend:
- '-' : Not scanned
- '0' : Clean (no security findings detected)

yarn.lock (yarn)
Total: 4 (UNKNOWN: 0, LOW: 1, MEDIUM: 2, HIGH: 1, CRITICAL: 0)


```

```

Activities Terminator Jul 6 18:55
dell@mahesh: ~/project/DevSecOps-Project 193x39
2025-07-06T18:54:04+05:30 INFO Suppressing dependencies for development and testing. To display them, try the '--include-dev-deps' flag.
2025-07-06T18:54:04+05:30 INFO Number of language-specific files num=1
2025-07-06T18:54:04+05:30 INFO [yarn] Detecting vulnerabilities...
Report Summary



| Target    | Type | Vulnerabilities | Secrets |
|-----------|------|-----------------|---------|
| yarn.lock | yarn | 4               | -       |



Legend:
- '-' Not scanned
- '0' Clean (no security findings detected)

yarn.lock (yarn)

Total: 4 (UNKNOWN: 0, LOW: 1, MEDIUM: 2, HIGH: 1, CRITICAL: 0)



| Library         | Vulnerability  | Severity | Status | Installed Version | Fixed Version               | Title                                                                                                                  |
|-----------------|----------------|----------|--------|-------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| babel/runtime   | CVE-2025-27789 | MEDIUM   | fixed  | 7.20.0            | 7.26.10, 8.0.0-alpha.17     | Babel is a compiler for writing next generation JavaScript. When using .... https://avd.aquasec.com/nvd/cve-2025-27789 |
|                 |                |          |        | 7.20.13           |                             |                                                                                                                        |
| brace-expansion | CVE-2025-5889  | LOW      |        | 1.1.11            | 2.0.2, 1.1.12, 3.0.1, 4.0.1 | brace-expansion: juliangruber brace-expansion index.js expand redos https://avd.aquasec.com/nvd/cve-2025-5889          |
| json5           | CVE-2022-46175 | HIGH     |        | 2.2.1             | 2.2.2, 1.0.2                | json5: Prototype Pollution in JSON5 via Parse Method https://avd.aquasec.com/nvd/cve-2022-46175                        |


dell@mahesh:~/project/DevSecOps-Project$
```

```

Activities Terminator Jul 6 18:55
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
netflix latest 3d0a18473008 42 minutes ago 57.5MB
<none> <none> 9ae9b0409b8f 44 minutes ago 57.5MB
sonarqube lts-community 27b2b98d28f4 2 weeks ago 604MB
dell@mahesh:~/project/DevSecOps-Project$ trivy image 3d0a18473008
2025-07-06T18:55:38+05:30 INFO [vuln] Vulnerability scanning is enabled
2025-07-06T18:55:38+05:30 INFO [secret] Secret scanning is enabled
2025-07-06T18:55:38+05:30 INFO [secret] If your scanning is slow, please try '--scanners vuln' to disable secret scanning
2025-07-06T18:55:38+05:30 INFO [secret] Please see also https://trivy.dev/v0.64/docs/scanner/secret#recommendation for faster secret detection
2025-07-06T18:55:40+05:30 INFO Detected OS family="alpine" version="3.21.3"
2025-07-06T18:55:40+05:30 INFO [alpine] Detecting vulnerabilities... os_version="3.21" repository="3.21" pkg_num=68
2025-07-06T18:55:40+05:30 INFO Number of language-specific files num=0

Report Summary



| Target                       | Type   | Vulnerabilities | Secrets |
|------------------------------|--------|-----------------|---------|
| 3d0a18473008 (alpine 3.21.3) | alpine | 2               | -       |



Legend:
- '-' Not scanned
- '0' Clean (no security findings detected)

3d0a18473008 (alpine 3.21.3)

Total: 2 (UNKNOWN: 0, LOW: 0, MEDIUM: 0, HIGH: 2, CRITICAL: 0)
```

```
Activities Terminator Jul 6 18:56
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
n
2025-07-06T18:55:40+05:30 INFO Detected OS family="alpine" version="3.21.3"
2025-07-06T18:55:40+05:30 INFO [alpine] Detecting vulnerabilities... os_version="3.21" repository="3.21" pkg_num=68
2025-07-06T18:55:40+05:30 INFO Number of language-specific files num=0

Report Summary



| Target                       | Type   | Vulnerabilities | Secrets |
|------------------------------|--------|-----------------|---------|
| 3d0a18473008 (alpine 3.21.3) | alpine | 2               | -       |



Legend:
- '-' Not scanned
- '0': Clean (no security findings detected)

3d0a18473008 (alpine 3.21.3)

Total: 2 (UNKNOWN: 0, LOW: 0, MEDIUM: 0, HIGH: 2, CRITICAL: 0)



| Library | Vulnerability  | Severity | Status | Installed Version | Fixed Version | Title                                                                                                                                         |
|---------|----------------|----------|--------|-------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| libxml2 | CVE-2025-32414 | HIGH     | fixed  | 2.13.4-r5         | 2.13.4-r6     | libxml2: Out-of-Bounds Read in libxml2<br><a href="https://avd.aquasec.com/nvd/cve-2025-32414">https://avd.aquasec.com/nvd/cve-2025-32414</a> |
|         | CVE-2025-32415 |          |        |                   |               |                                                                                                                                               |

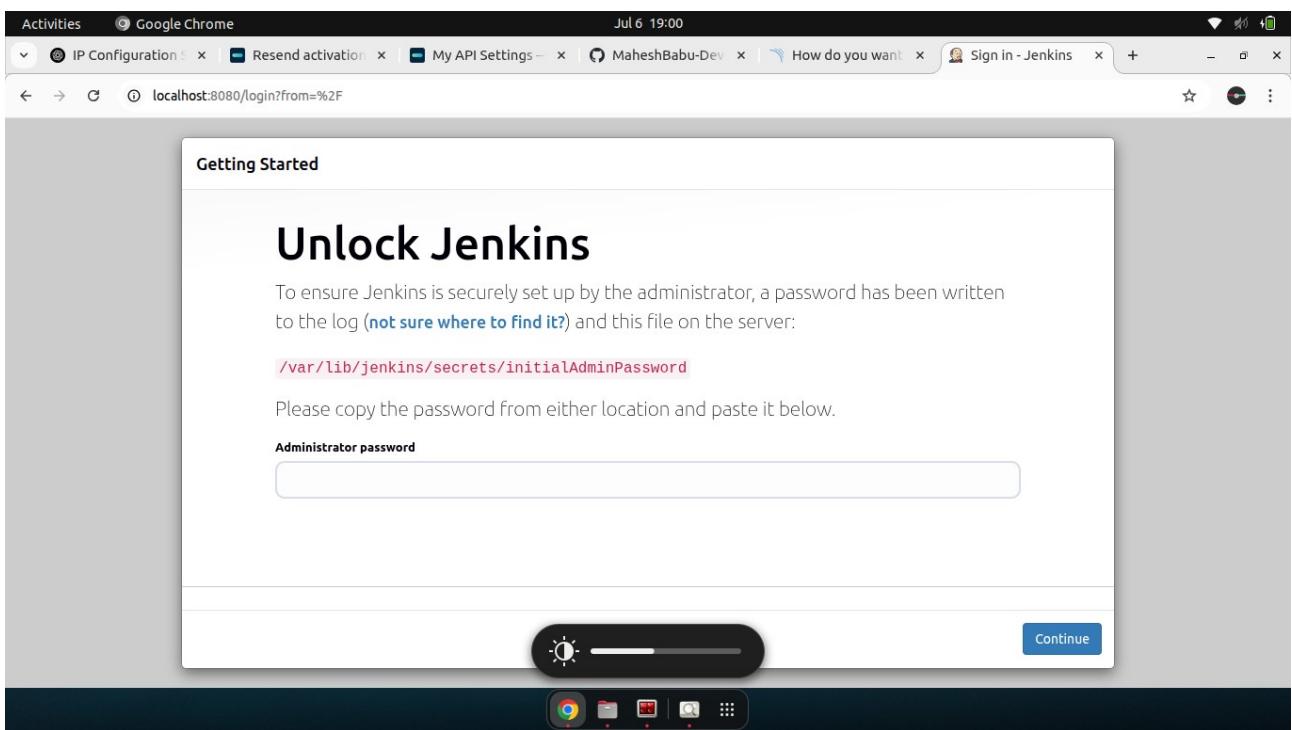

dell@mahesh:~/project/DevSecOps-Project$
```

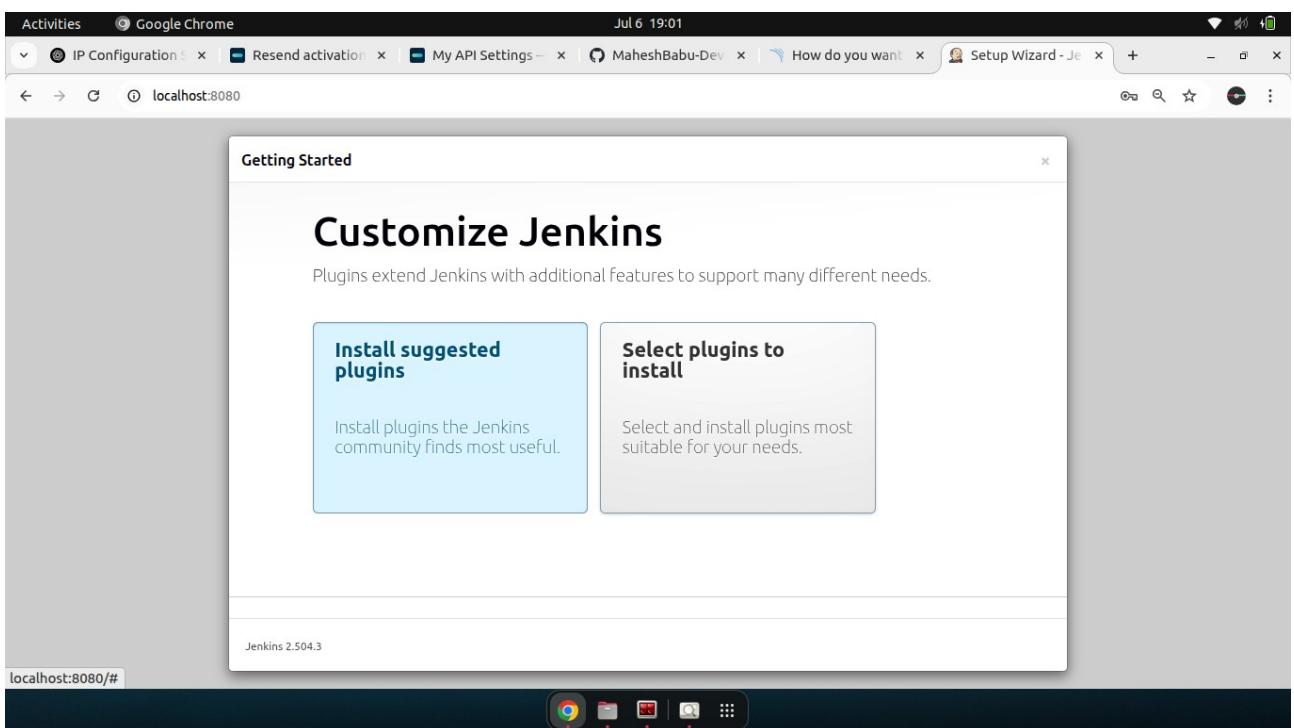
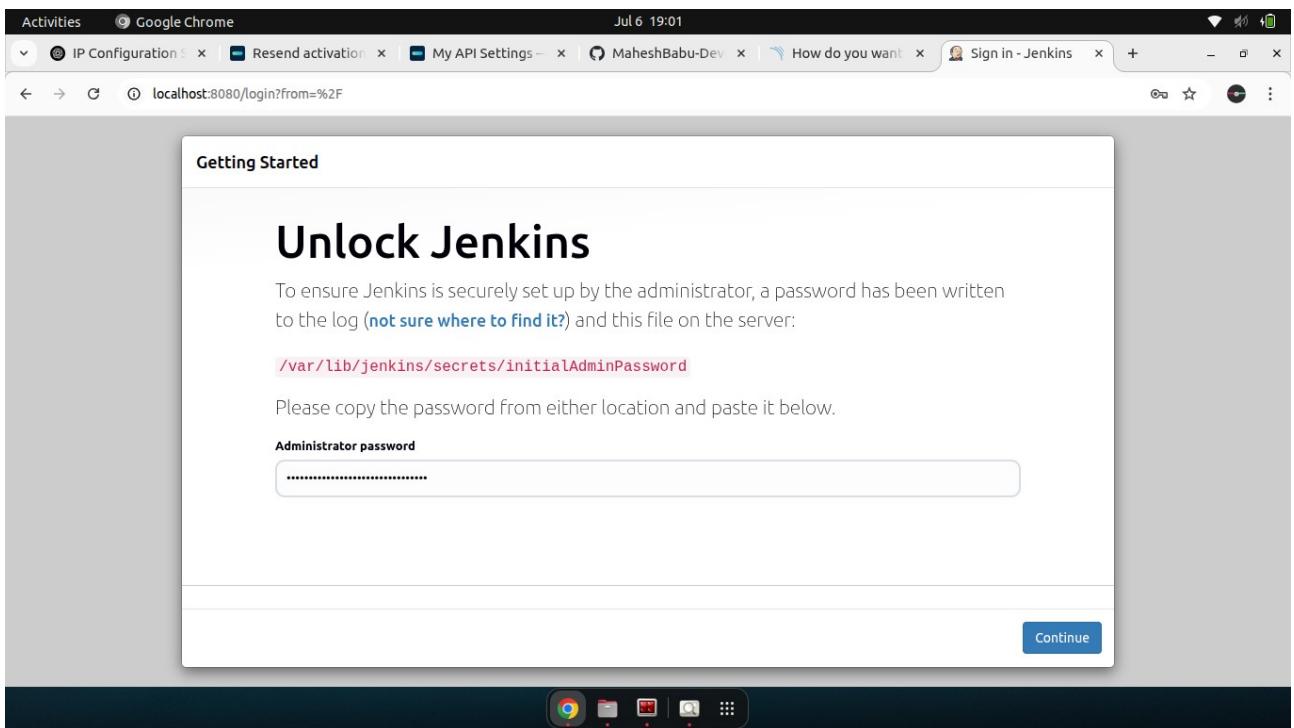
```
Activities Terminator Jul 6 18:59
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ jenkins --version
2.504.3
dell@mahesh:~/project/DevSecOps-Project$ java --version
openjdk 17.0.15 2025-04-15
OpenJDK Runtime Environment (build 17.0.15+6-Ubuntu-0ubuntu122.04)
OpenJDK 64-Bit Server VM (build 17.0.15+6-Ubuntu-0ubuntu122.04, mixed mode, sharing)
dell@mahesh:~/project/DevSecOps-Project$
```

Activities Terminator Jul 6 18:59

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project$ jenkins --version
2.504.3
dell@mahesh:~/project/DevSecOps-Project$ java --version
openjdk 17.0.15 2025-04-15
OpenJDK Runtime Environment (build 17.0.15+6-Ubuntu-0ubuntu122.04)
OpenJDK 64-Bit Server VM (build 17.0.15+6-Ubuntu-0ubuntu122.04, mixed mode, sharing)
dell@mahesh:~/project/DevSecOps-Project$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
     Active: active (running) since Sun 2025-07-06 18:58:20 IST; 1min 6s ago
       Main PID: 19144 (java)
          Tasks: 48 (limit: 14096)
        Memory: 837.9M
           CPU: 1min 3.110s
          CGroup: /system.slice/jenkins.service
                  └─19144 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

Jul 06 18:58:09 mahesh jenkins[19144]: e1297401829b44eb9fc604a5ecc41682
Jul 06 18:58:09 mahesh jenkins[19144]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Jul 06 18:58:09 mahesh jenkins[19144]: ****
Jul 06 18:58:09 mahesh jenkins[19144]: ****
Jul 06 18:58:09 mahesh jenkins[19144]: ****
Jul 06 18:58:20 mahesh jenkins[19144]: 2025-07-06 13:28:20.837+0000 [id=34] INFO jenkins.InitReactorRunner$1#onAttained: Completed init
Jul 06 18:58:20 mahesh jenkins[19144]: 2025-07-06 13:28:20.873+0000 [id=24] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up
Jul 06 18:58:20 mahesh systemd[1]: Started Jenkins Continuous Integration Server.
Jul 06 18:58:23 mahesh jenkins[19144]: 2025-07-06 13:28:23.136+0000 [id=54] INFO h.m.DownloadService$Downloadable#load: Obtained the up
Jul 06 18:58:23 mahesh jenkins[19144]: 2025-07-06 13:28:23.139+0000 [id=54] INFO hudson.util.Retriger#start: Performed the action check
lines 1-20/20 (END)
```





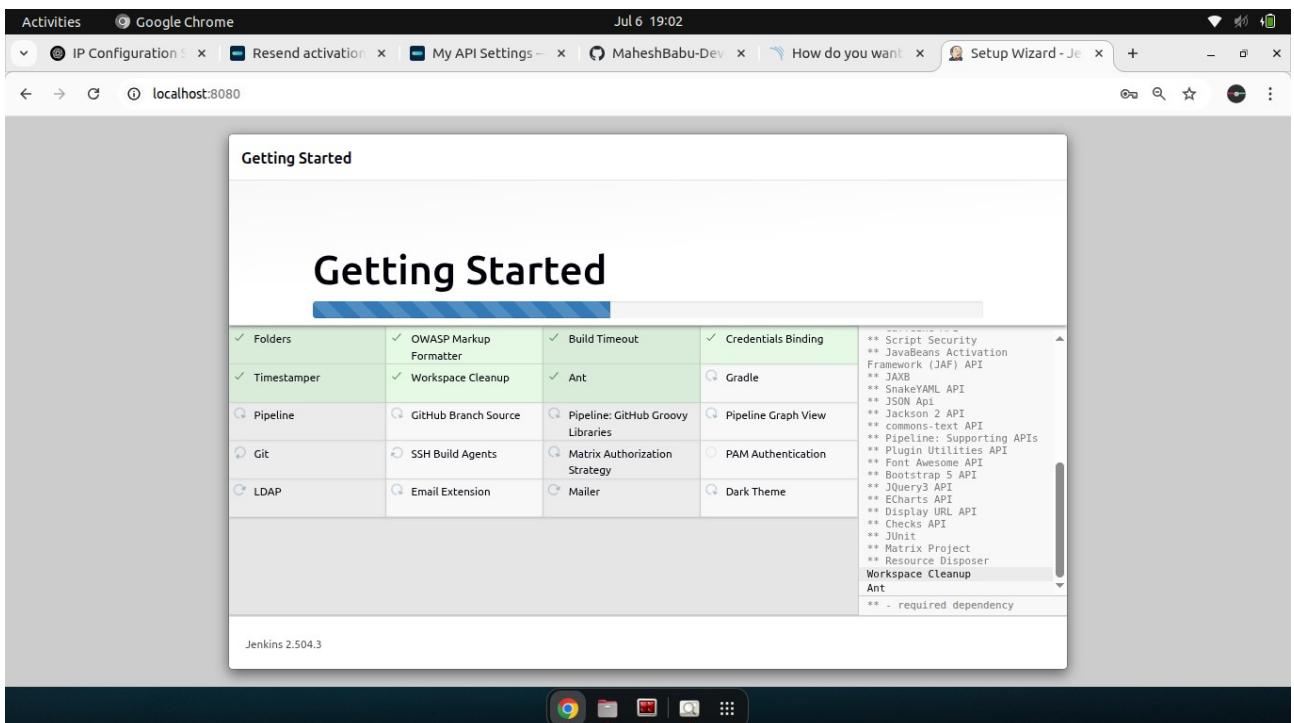
Activities Google Chrome Jul 6 19:02

IP Configuration Resend activation My API Settings MaheshBabu-Dev How do you want Setup Wizard - Jenkins localhost:8080

## Getting Started

✓ Folders	✓ OWASP Markup Formatter	✓ Build Timeout	✓ Credentials Binding	** Script Security
✓ Timestamper	✓ Workspace Cleanup	✓ Ant	✗ Gradle	** JavaBeans Activation Framework (JAF) API ** JMX API ** SnakeYAML API ** JSON API ** Jackson 2 API ** commons-text API ** Pipeline: Supporting APIs ** Pipeline Utilities API ** Jenkins API ** Bootstrap S API ** JQuery3 API ** ECharts API ** Display URL API ** Checks API ** JUnit ** Matrix Project ** Resource Disposer Workspace Cleanup Ant ** - required dependency
✗ Pipeline	✗ GitHub Branch Source	✗ Pipeline: GitHub Groovy Libraries	✗ Pipeline Graph View	
✗ Git	✗ SSH Build Agents	✗ Matrix Authorization Strategy	✗ PAM Authentication	
✗ LDAP	✗ Email Extension	✗ Mailer	✗ Dark Theme	

Jenkins 2.504.3



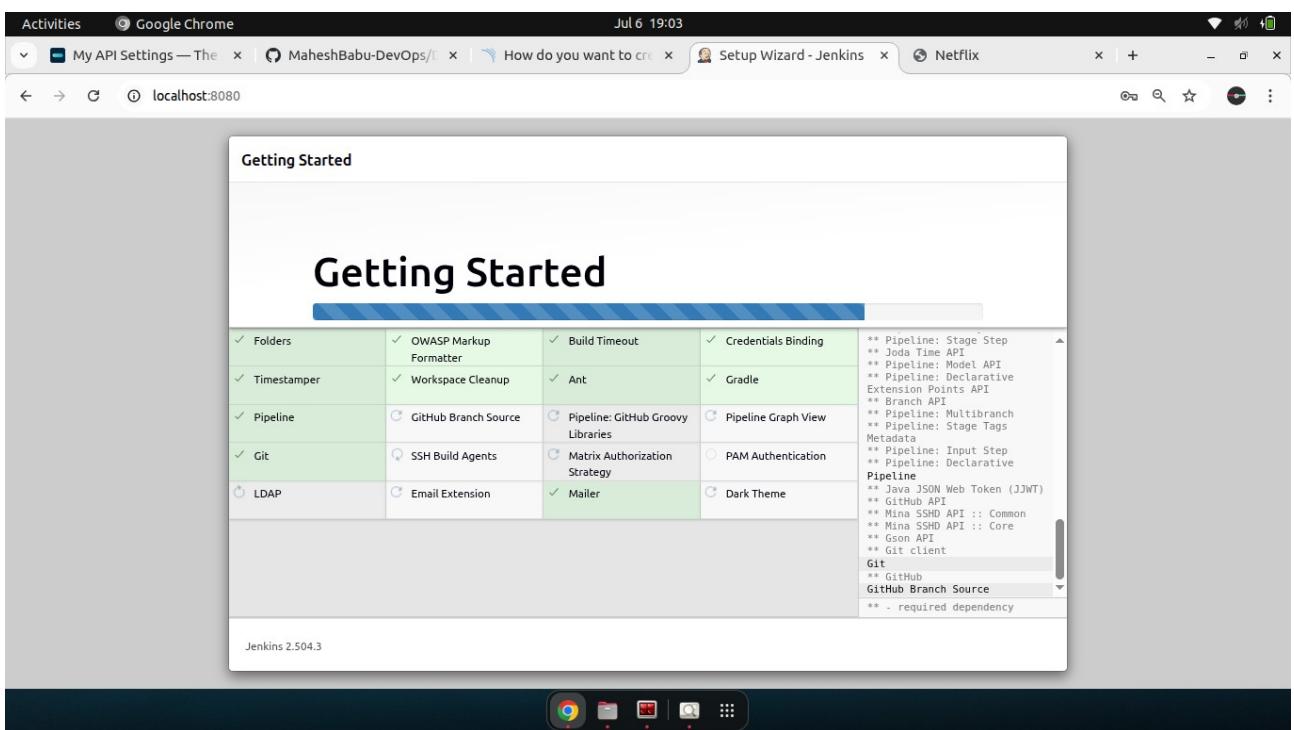
Activities Google Chrome Jul 6 19:03

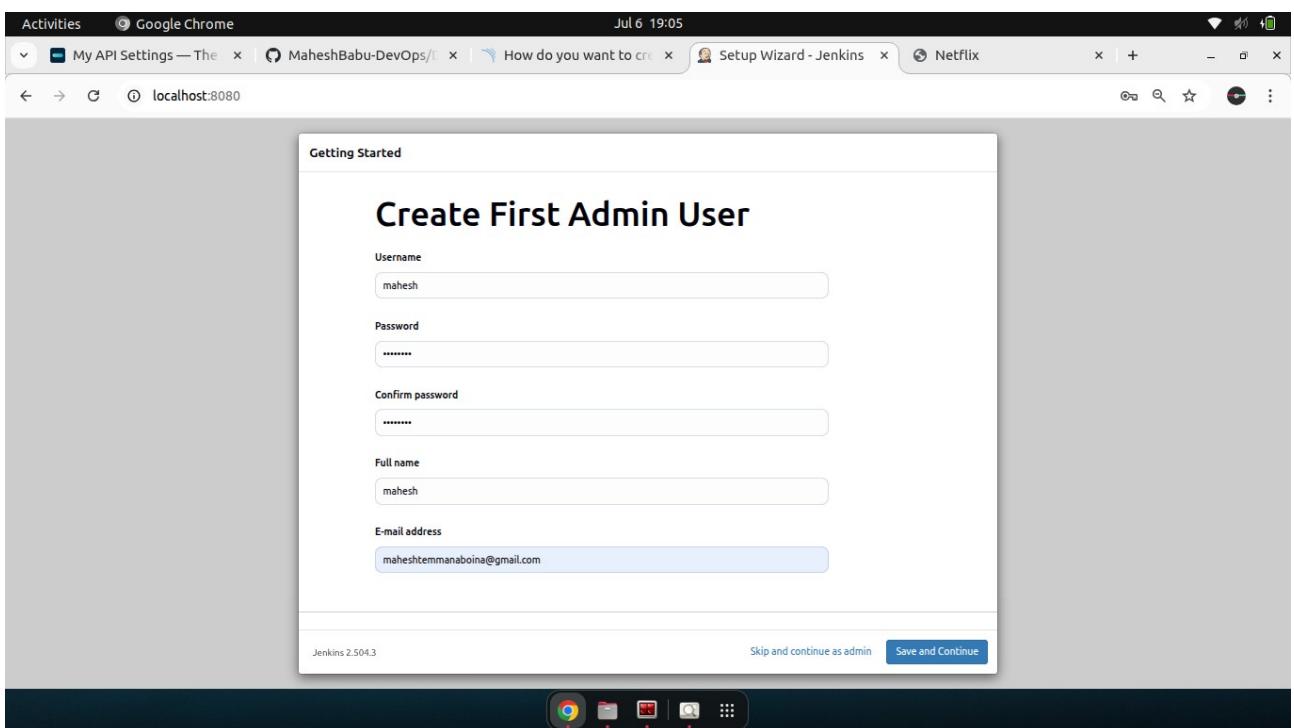
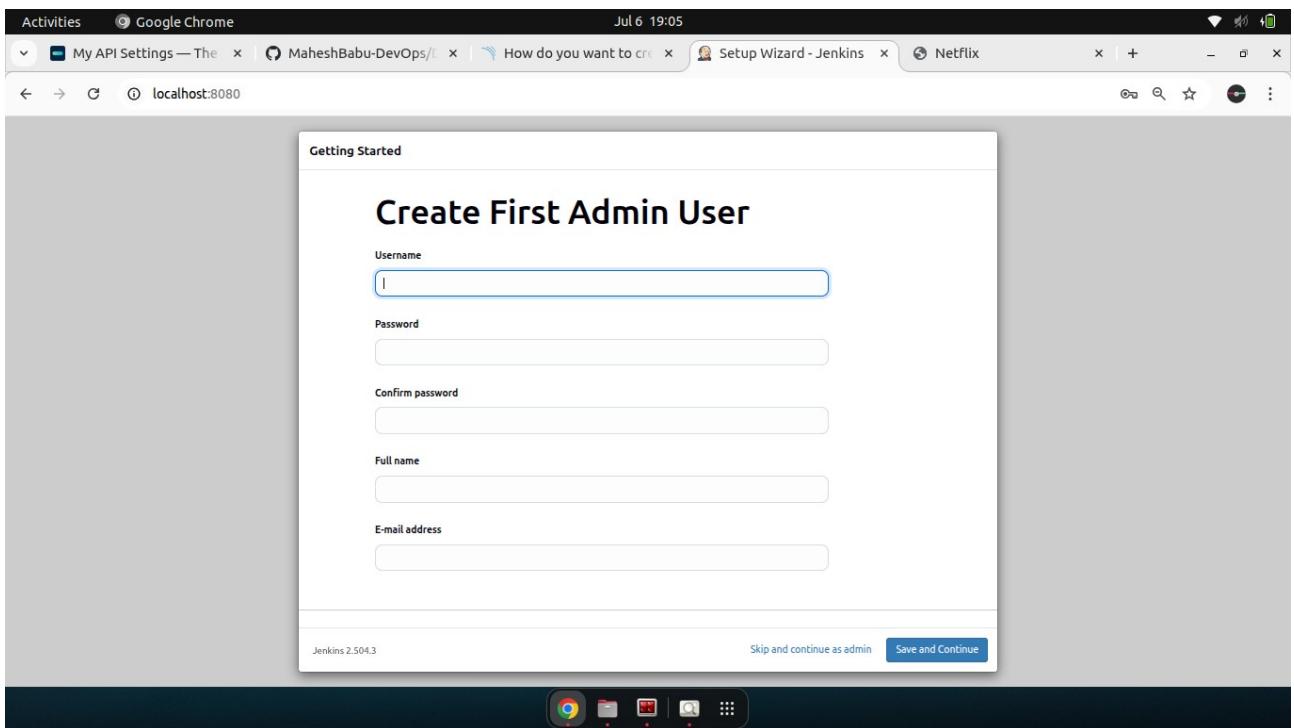
My API Settings — The MaheshBabu-DevOps/ Jenkins How do you want Netflix localhost:8080

## Getting Started

✓ Folders	✓ OWASP Markup Formatter	✓ Build Timeout	✓ Credentials Binding	** Pipeline: Stage Step
✓ Timestamper	✓ Workspace Cleanup	✓ Ant	✓ Gradle	** Joda Time API ** Pipeline: Model API ** Pipeline: Declarative Extension Points API ** Branch API ** Pipeline: Multibranch ** Pipeline: Stage Tags Metadata ** Pipeline: Input Step ** Pipeline: Declarative Pipeline
✓ Pipeline	✗ GitHub Branch Source	✗ Pipeline: GitHub Groovy Libraries	✗ Pipeline Graph View	** Java JSON Web Token (JJWT) ** GitHub API ** Mina SSHD API :: Common ** Mina SSHD API :: Core ** Gson API ** Git client Git ** GitHub GitHub Branch Source ** - required dependency
✓ Git	✗ SSH Build Agents	✗ Matrix Authorization Strategy	✗ PAM Authentication	
✗ LDAP	✗ Email Extension	✓ Mailer	✗ Dark Theme	

Jenkins 2.504.3





Activities Google Chrome Jul 6 19:05

My API Settings — The MaheshBabu-DevOps/ How do you want to cr Setup Wizard - Jenkins Netflix

localhost:8080

Getting Started

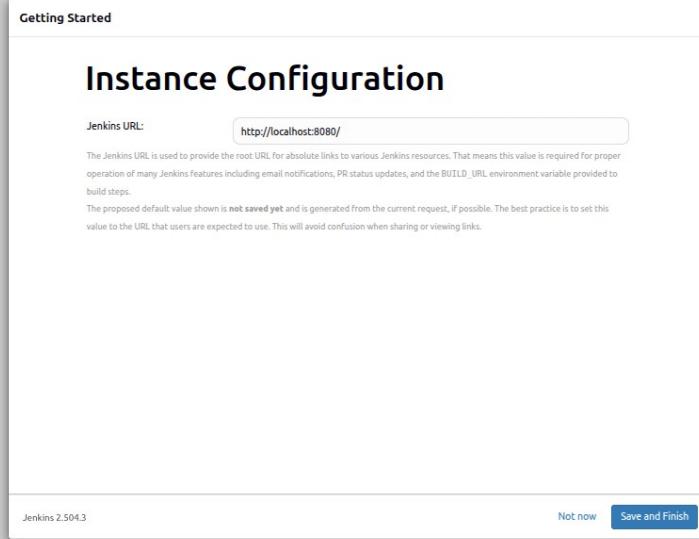
## Instance Configuration

Jenkins URL: http://localhost:8080/

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD\_URL environment variable provided to build steps.

The proposed default value shown is not saved yet and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Jenkins 2.504.3 Not now Save and Finish



Activities Google Chrome Jul 6 19:05

My API Settings — The MaheshBabu-DevOps/ How do you want to cr Dashboard - Jenkins Netflix

localhost:8080

Jenkins

Dashboard >

+ New Item

Build History

Manage Jenkins

My Views

Build Queue No builds in the queue.

Create a job +

Start building your software project

Set up an agent

Configure a cloud

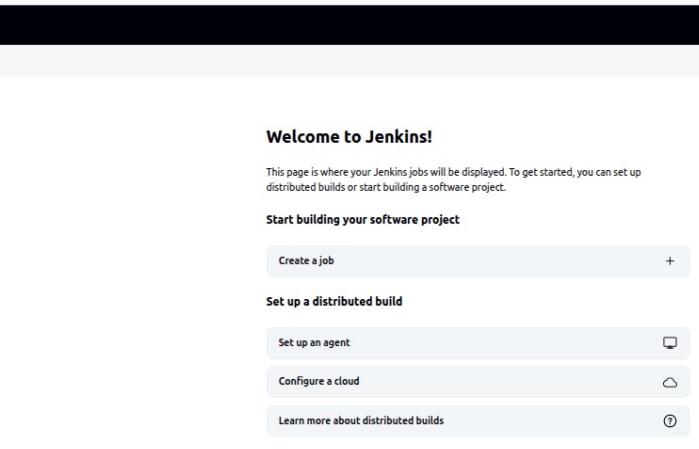
Learn more about distributed builds

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Add description

REST API Jenkins 2.504.3



Activities Google Chrome Jul 6 19:07

My API Settings — The MaheshBabu-DevOps/ How do you want to cre Available plugins - Plug Netflix

localhost:8080/manage/pluginManager/available

Jenkins

Dashboard > Manage Jenkins > Plugins

Plugins

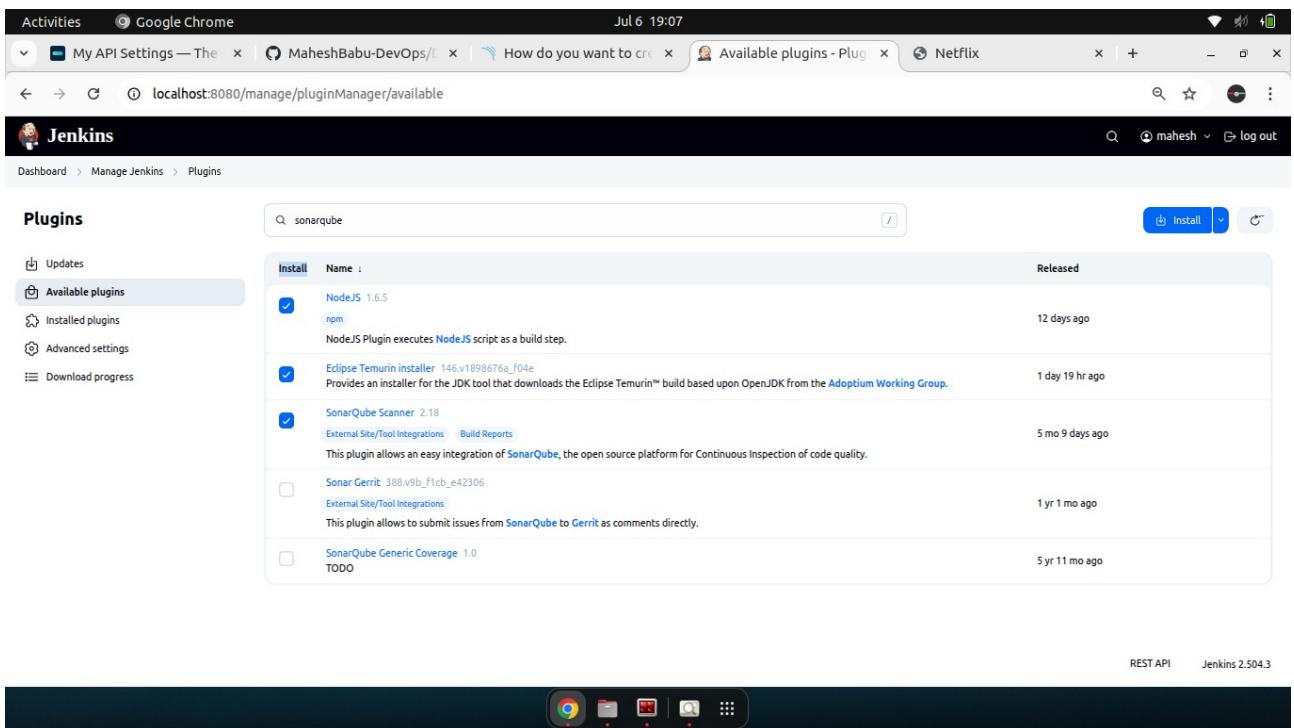
Updates Available plugins Installed plugins Advanced settings Download progress

Search: sonarqube

Install

Install	Name	Released
<input checked="" type="checkbox"/>	NodeJS 1.6.5	12 days ago
<input checked="" type="checkbox"/>	npm	NodeJS Plugin executes NodeJS script as a build step.
<input checked="" type="checkbox"/>	Eclipse Temurin installer 146.v1898676a_f04e	1 day 19 hr ago
<input checked="" type="checkbox"/>	SonarQube Scanner 2.18	Provides an installer for the JDK tool that downloads the Eclipse Temurin™ build based upon OpenJDK from the Adoptium Working Group.
<input checked="" type="checkbox"/>	SonarQube Scanner 2.18	5 mo 9 days ago
<input checked="" type="checkbox"/>	Sonar Gerrit 388.v9b_ftcb_e42306	This plugin allows an easy integration of SonarQube, the open source platform for Continuous Inspection of code quality.
<input checked="" type="checkbox"/>	Sonar Gerrit 388.v9b_ftcb_e42306	1 yr 1 mo ago
<input checked="" type="checkbox"/>	SonarQube Generic Coverage 1.0	TODO

REST API Jenkins 2.504.3



Activities Google Chrome Jul 6 19:07

My API Settings — The MaheshBabu-DevOps/ How do you want to cre Available plugins - Plug Netflix

localhost:8080/manage/pluginManager/updates/

Jenkins

Dashboard > Manage Jenkins > Plugins

Plugins

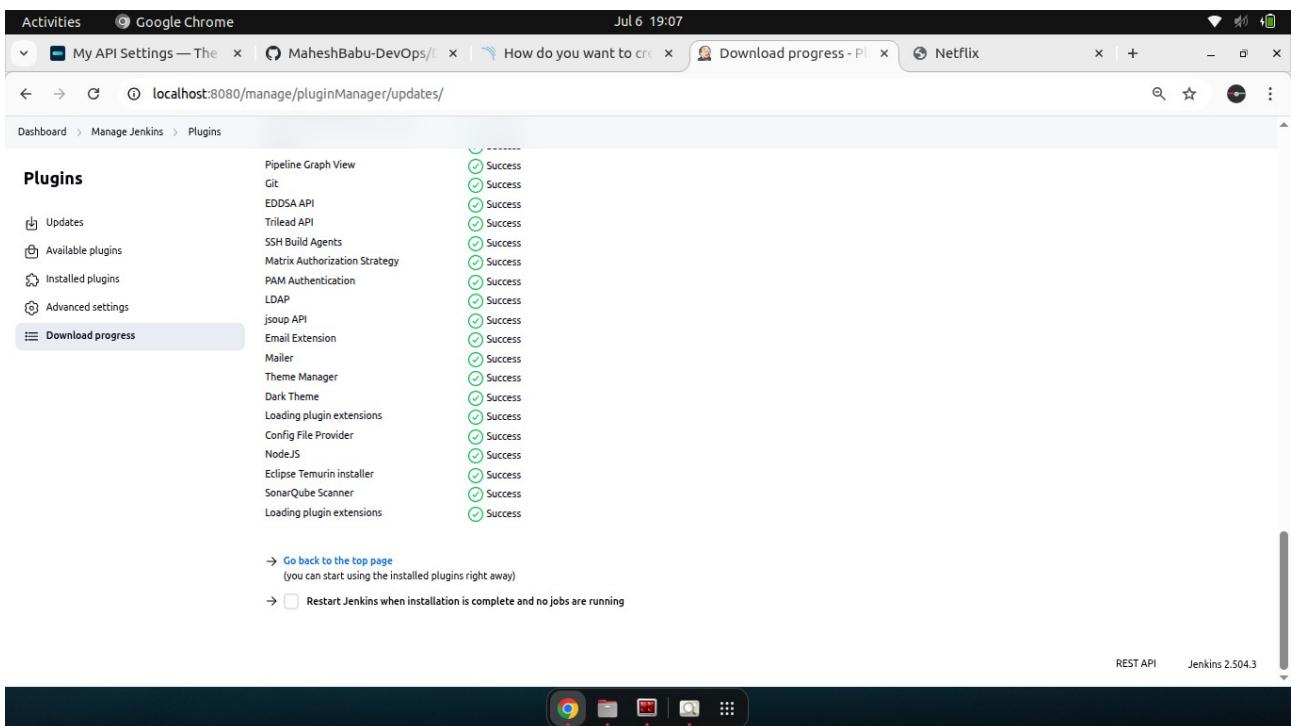
Updates Available plugins Installed plugins Advanced settings Download progress

	-----
<input checked="" type="checkbox"/>	Pipeline Graph View
<input checked="" type="checkbox"/>	Git
<input checked="" type="checkbox"/>	EDDSA API
<input checked="" type="checkbox"/>	Trilead API
<input checked="" type="checkbox"/>	SSH Build Agents
<input checked="" type="checkbox"/>	Matrix Authorization Strategy
<input checked="" type="checkbox"/>	PAM Authentication
<input checked="" type="checkbox"/>	LDAP
<input checked="" type="checkbox"/>	jsoup API
<input checked="" type="checkbox"/>	Email Extension
<input checked="" type="checkbox"/>	Mailer
<input checked="" type="checkbox"/>	Theme Manager
<input checked="" type="checkbox"/>	Dark Theme
<input checked="" type="checkbox"/>	Loading plugin extensions
<input checked="" type="checkbox"/>	Config File Provider
<input checked="" type="checkbox"/>	NodeJS
<input checked="" type="checkbox"/>	Eclipse Temurin installer
<input checked="" type="checkbox"/>	SonarQube Scanner
<input checked="" type="checkbox"/>	Loading plugin extensions

→ Go back to the top page  
(you can start using the installed plugins right away)

→  Restart Jenkins when installation is complete and no jobs are running

REST API Jenkins 2.504.3



Activities Google Chrome Jul 6 19:10

My API Settings — The MaheshBabu-DevOps/ How do you want to cre Manage Jenkins - Jenkins Netflix

localhost:8080/manage/

## Jenkins

Dashboard > Manage Jenkins

### Manage Jenkins

System Configuration

- System**: Configure global settings and paths.
- Tools**: Configure tools, their locations and automatic installers.
- Clouds**: Add, remove, and configure cloud instances to provision agents on-demand.
- Appearance**: Configure the look and feel of Jenkins.
- Plugins**: Add, remove, disable or enable plugins that can extend the functionality of Jenkins.
- Managed files**: e.g. settings.xml for maven, central managed scripts, custom files, ...
- Nodes**: Add, remove, control and monitor the various nodes that Jenkins runs jobs on.

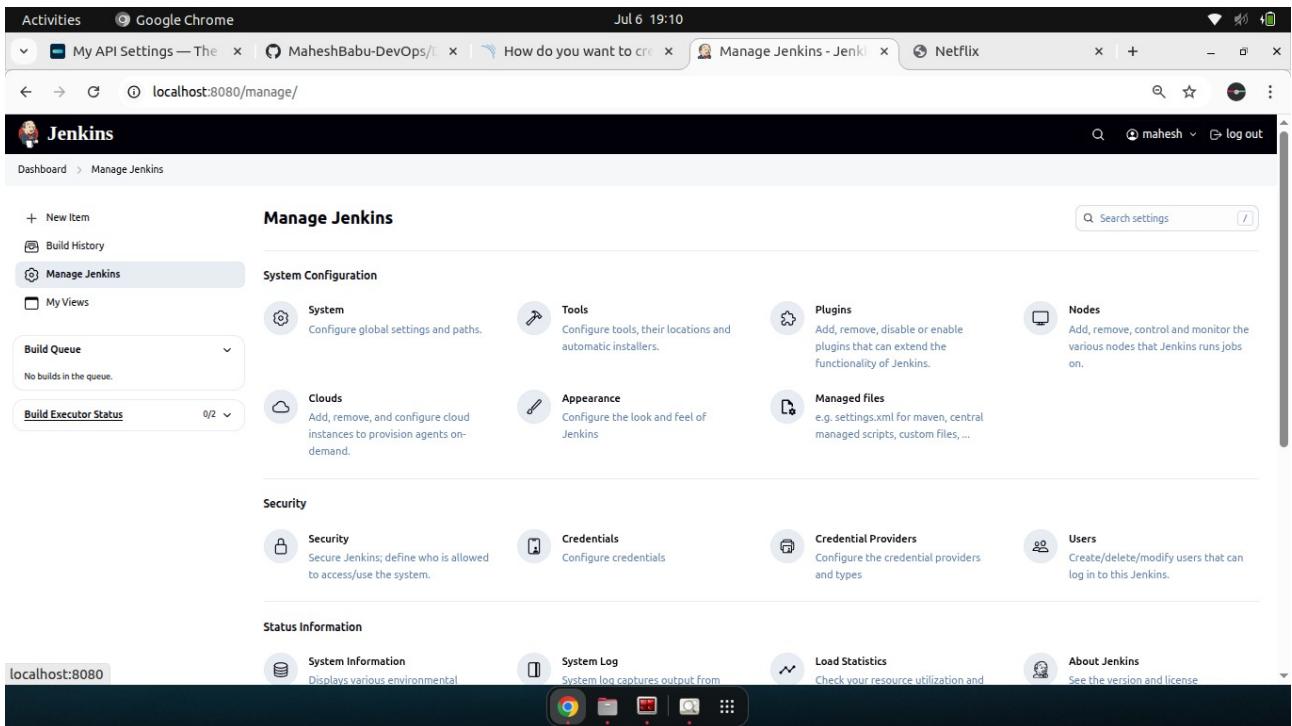
Security

- Security**: Secure Jenkins; define who is allowed to access/use the system.
- Credentials**: Configure credentials.
- Credential Providers**: Configure the credential providers and types.
- Users**: Create/delete/modify users that can log in to this Jenkins.

Status Information

- System Information**: Displays various environmental information.
- System Log**: System log captures output from various sources.
- Load Statistics**: Check your resource utilization and performance.
- About Jenkins**: See the version and license.

localhost:8080



Activities Google Chrome Jul 6 19:12

My API Settings — The MaheshBabu-DevOps/ How do you want to cre Tools - Jenkins Netflix

localhost:8080/manage/configureTools/

## Dashboard > Manage Jenkins > Tools

### Add JDK

**JDK**

Name: jdk17

Install automatically

**Install from adoptium.net**

Version: jdk-17.0.8.1+1

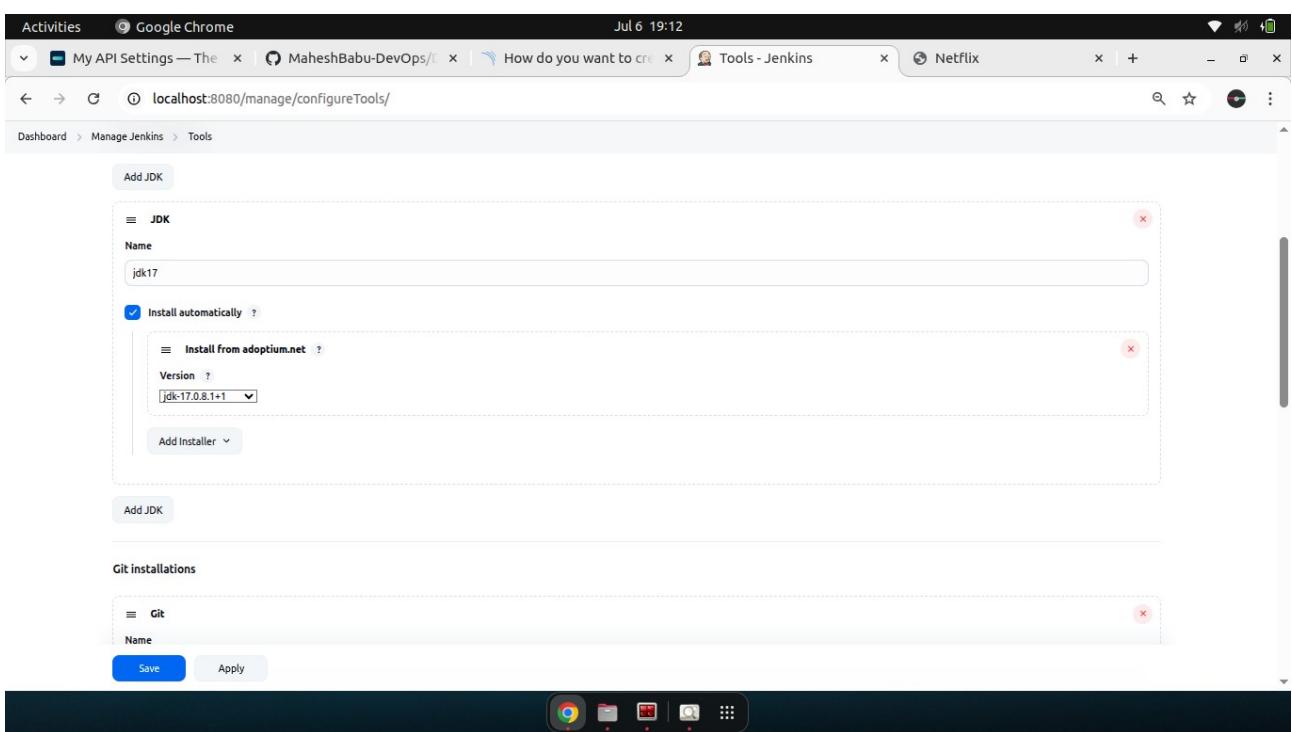
Add Installer

**Git installations**

**Git**

Name:

**Save** **Apply**



Activities Google Chrome Jul 6 19:13

My API Settings — The MaheshBabu-DevOps/ How do you want to cre Tools - Jenkins Netflix

localhost:8080/manage/configureTools/

Dashboard > Manage Jenkins > Tools

NODEJS INSTALLATIONS

Add NodeJS

Name: node16

Install automatically:

Install from nodejs.org

Version: NodeJS 16.2.0

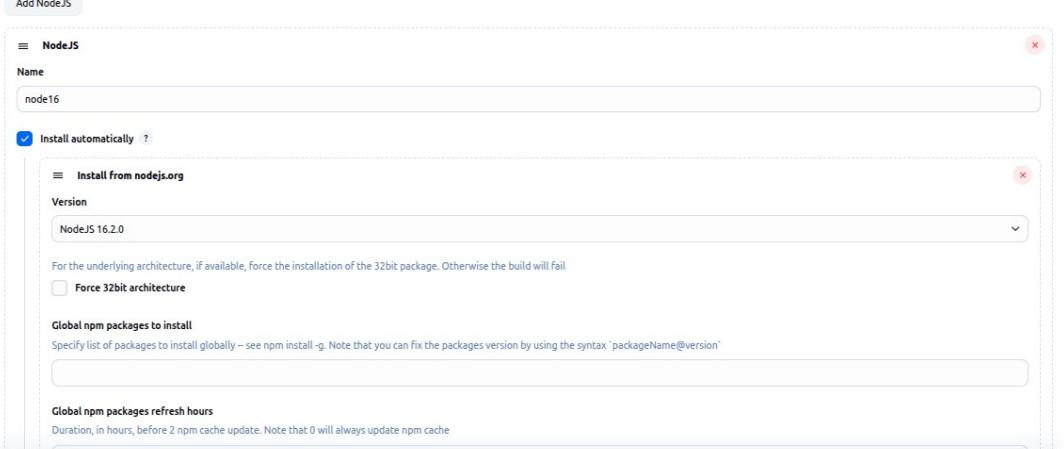
For the underlying architecture, if available, force the installation of the 32bit package. Otherwise the build will fail.

Force 32bit architecture:

Global npm packages to install: Specify list of packages to install globally – see npm install -g. Note that you can fix the packages version by using the syntax 'packageName@version'

Global npm packages refresh hours: Duration, in hours, before 2 npm cache update. Note that 0 will always update npm cache

Save Apply



Activities Google Chrome Jul 6 19:16

Netflix My API Settings — The MaheshBabu-DevOps/ Users - Administration Manage Jenkins - Jenki...

localhost:9000/admin/users

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

Administration Configuration Security Projects System Marketplace

Users Create and administer individual users. Create User

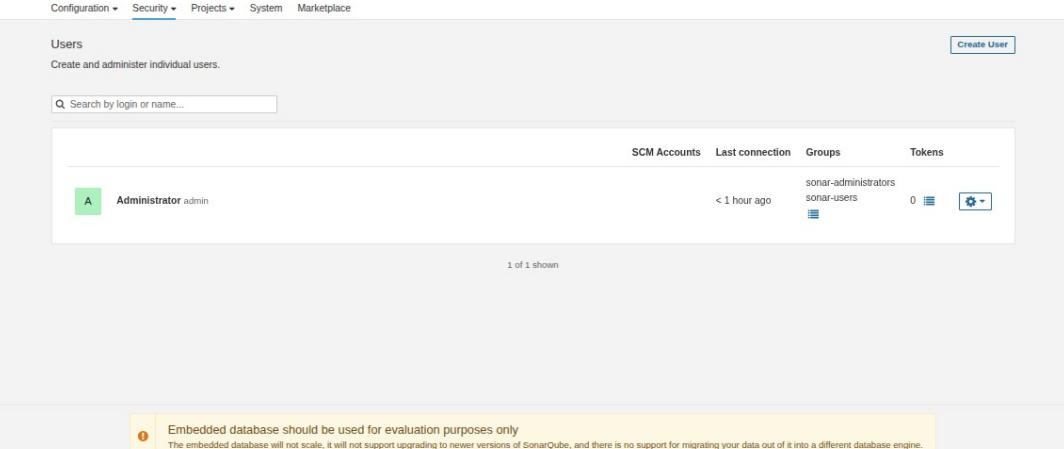
Search by login or name...

	SCM Accounts	Last connection	Groups	Tokens
A Administrator admin		< 1 hour ago	sonar-administrators sonar-users	0

1 of 1 shown

Embedded database should be used for evaluation purposes only  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

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Activities Google Chrome Jul 6 19:16

localhost:9000/admin/users

sonarcube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

Tokens of Administrator

Generate Tokens

Name	Expires in
Enter Token Name	30 days

New token "jenkins" has been created. Make sure you copy it now, you won't be able to see it again!

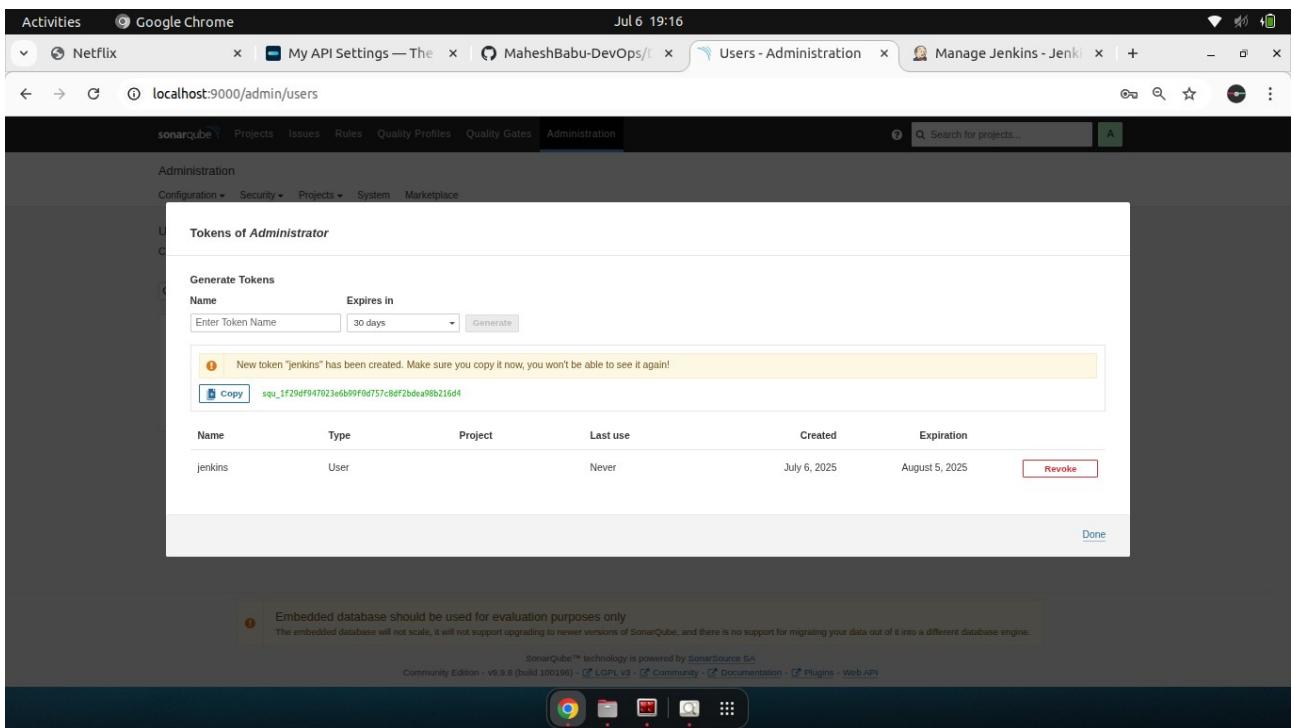
Copy squ\_1f29df947023e6b699f0d757c8df2bde498b216d4

Name	Type	Project	Last use	Created	Expiration
jenkins	User		Never	July 6, 2025	August 5, 2025

Revoke Done

Embedded database should be used for evaluation purposes only  
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Activities Google Chrome Jul 6 19:17

localhost:8080/manage/credentials/store/system/domain/\_/newCredentials

Jenkins

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) >

### New credentials

Kind: Secret text

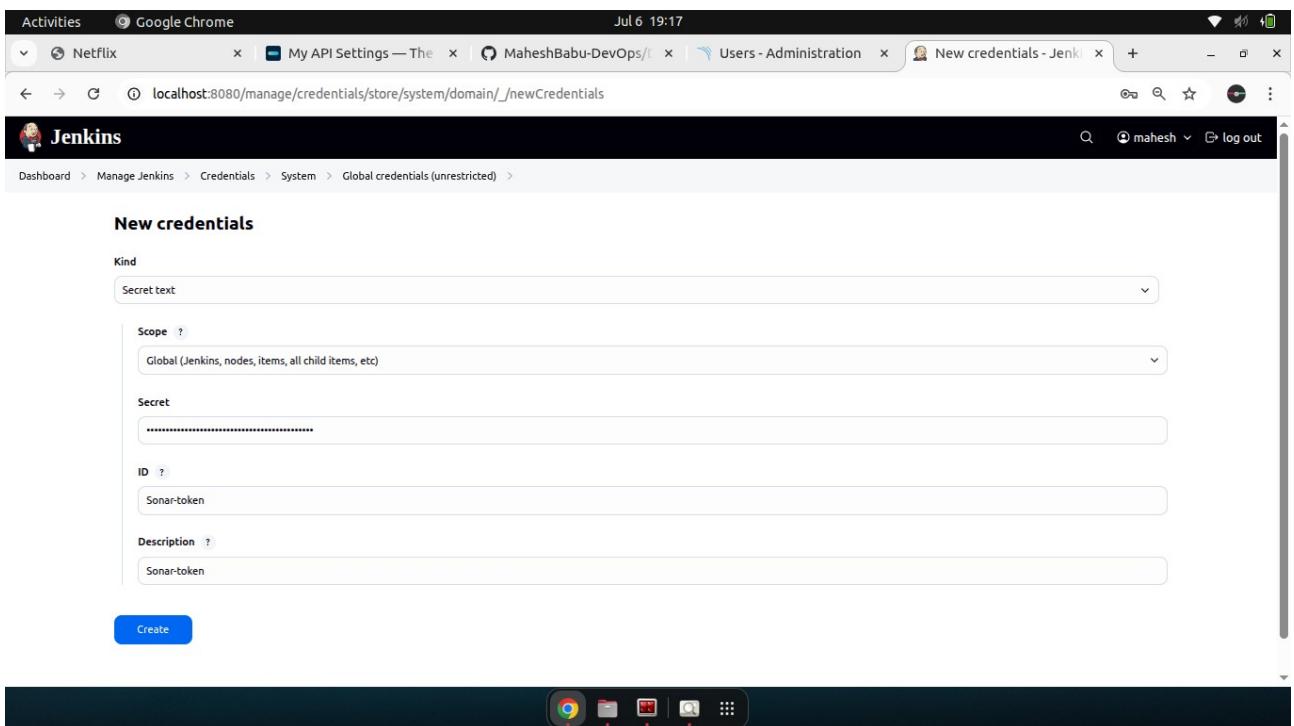
Scope: Global (Jenkins, nodes, items, all child items, etc)

Secret:

ID: Sonar-token

Description: Sonar-token

Create



Activities Google Chrome Jul 6 19:19

localhost:8080/manage/configure

Dashboard > Manage Jenkins > System >

If checked, job administrators will be able to inject a SonarQube server configuration as environment variables in the build.

Environment variables

SonarQube installations

List of SonarQube installations

Name: sonar-server

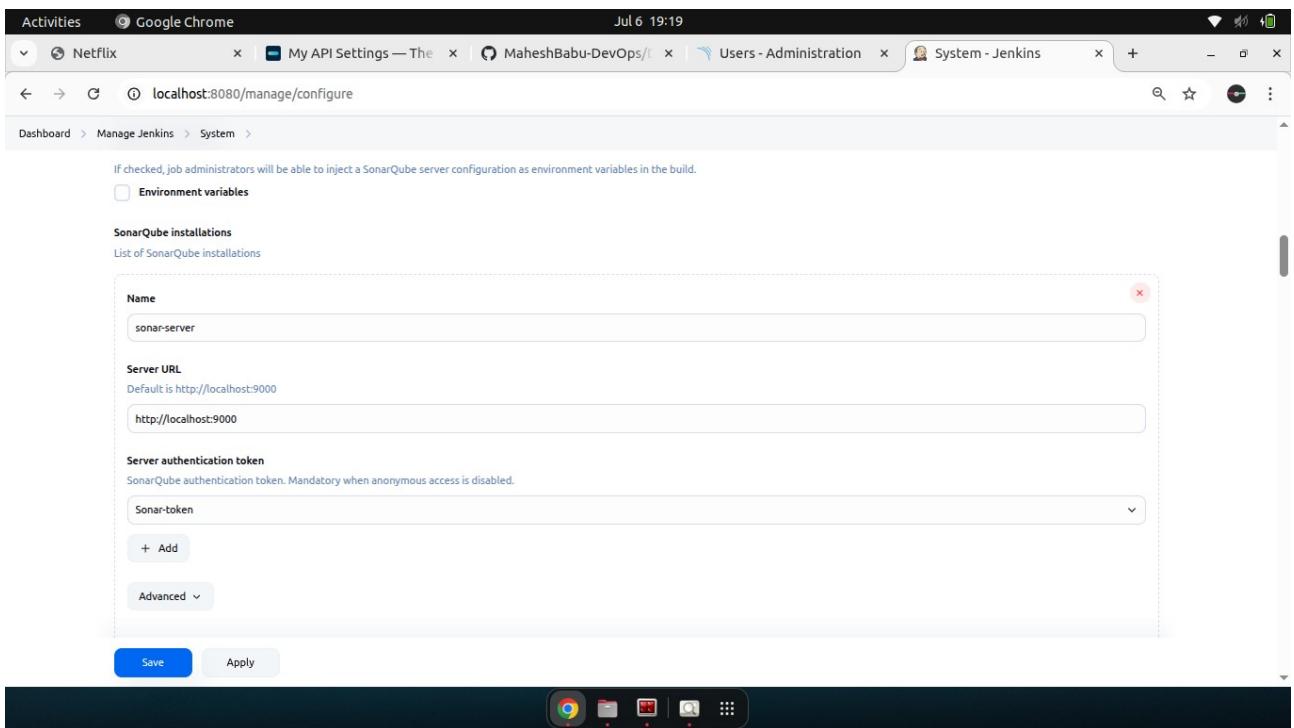
Server URL: Default is http://localhost:9000  
http://localhost:9000

Server authentication token:  
SonarQube authentication token. Mandatory when anonymous access is disabled.  
Sonar-token

+ Add

Advanced

Save Apply



Activities Google Chrome Jul 6 19:21

localhost:8080/manage/configureTools/

Dashboard > Manage Jenkins > Tools

Add SonarQube Scanner

SonarQube Scanner

Name: sonar-scanner

Install automatically ?

Install from Maven Central

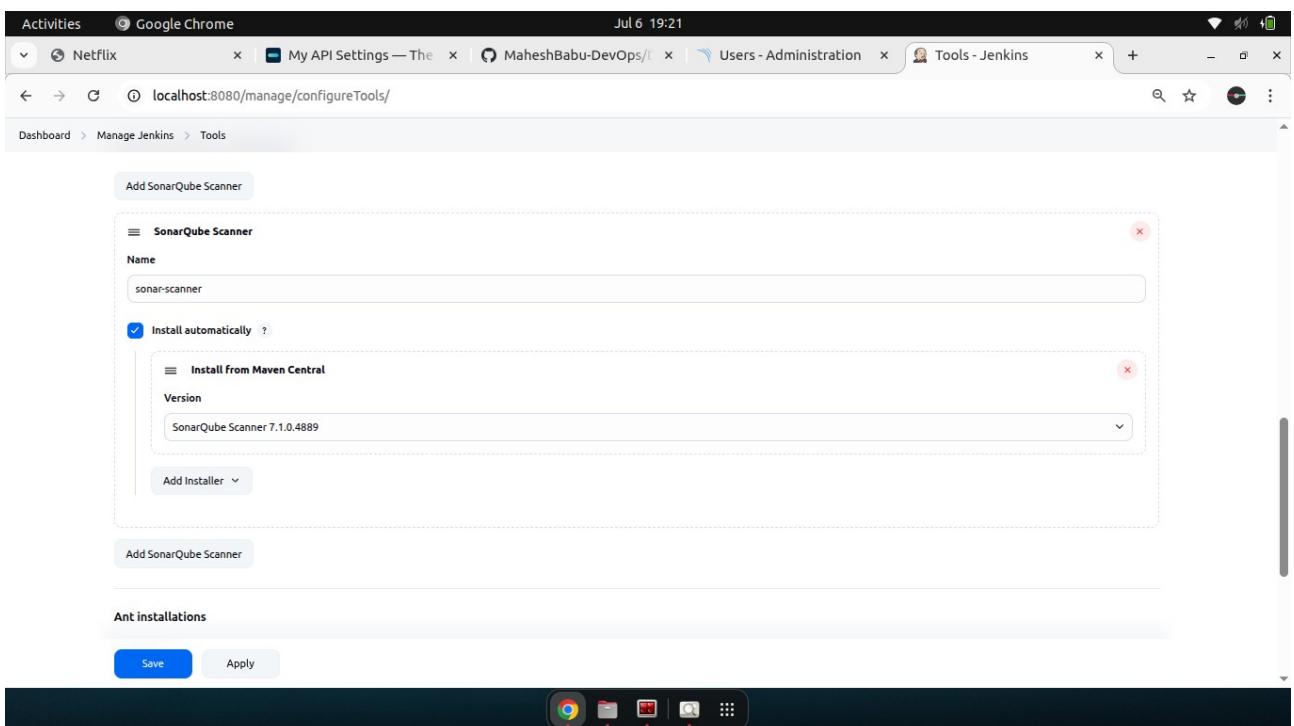
Version: SonarQube Scanner 7.1.0.4889

Add Installer

Add SonarQube Scanner

Ant installations

Save Apply



Activities Google Chrome Jul 6 19:21

Netflix My API Settings — The MaheshBabu-DevOps/ Users - Administration New Item - Jenkins localhost:8080/view/all/newJob

## New Item

Enter an item name

Netflix-Project

Select an item type

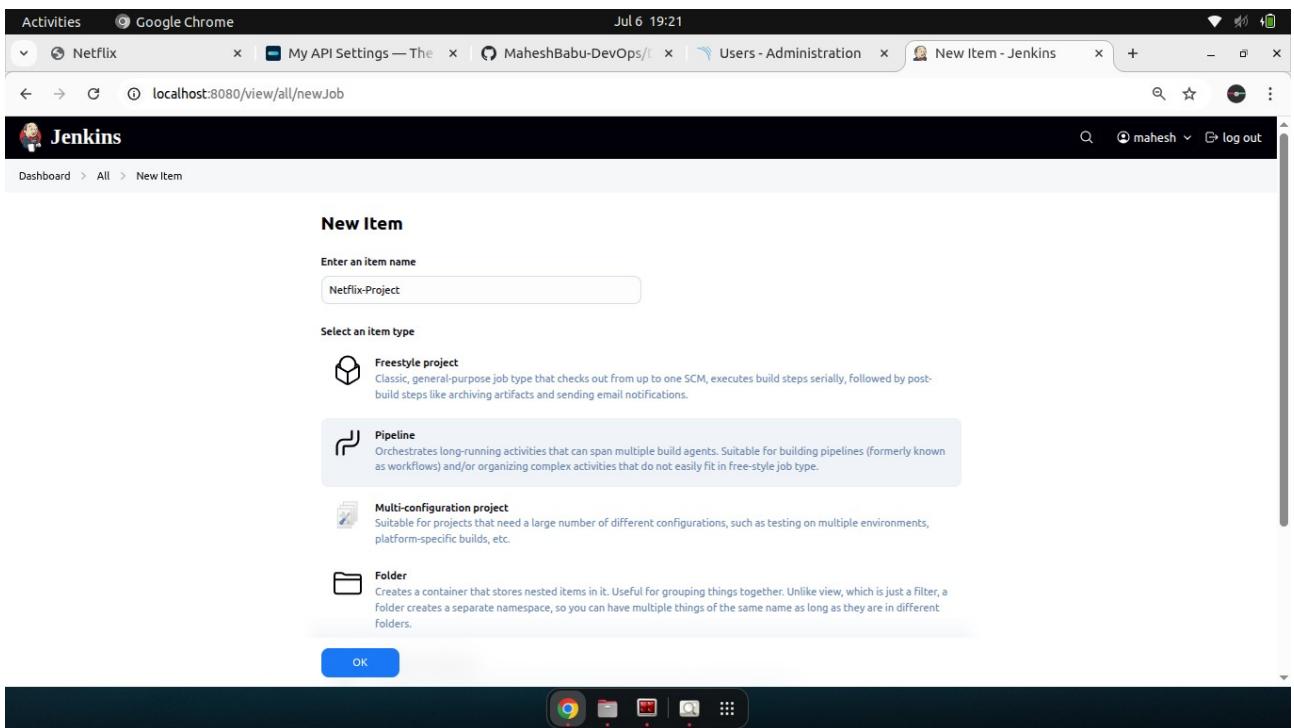
**Freestyle project**  
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.

**Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as 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 environments, platform-specific builds, etc.

**Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, Folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different Folders.

OK



Activities Google Chrome Jul 6 19:22

Netflix My API Settings — The MaheshBabu-DevOps/ Users - Administration Netflix-Project Config localhost:8080/job/Netflix-Project/configure

## Configure

Definition

Pipeline script

General Triggers Pipeline Advanced

Script ?

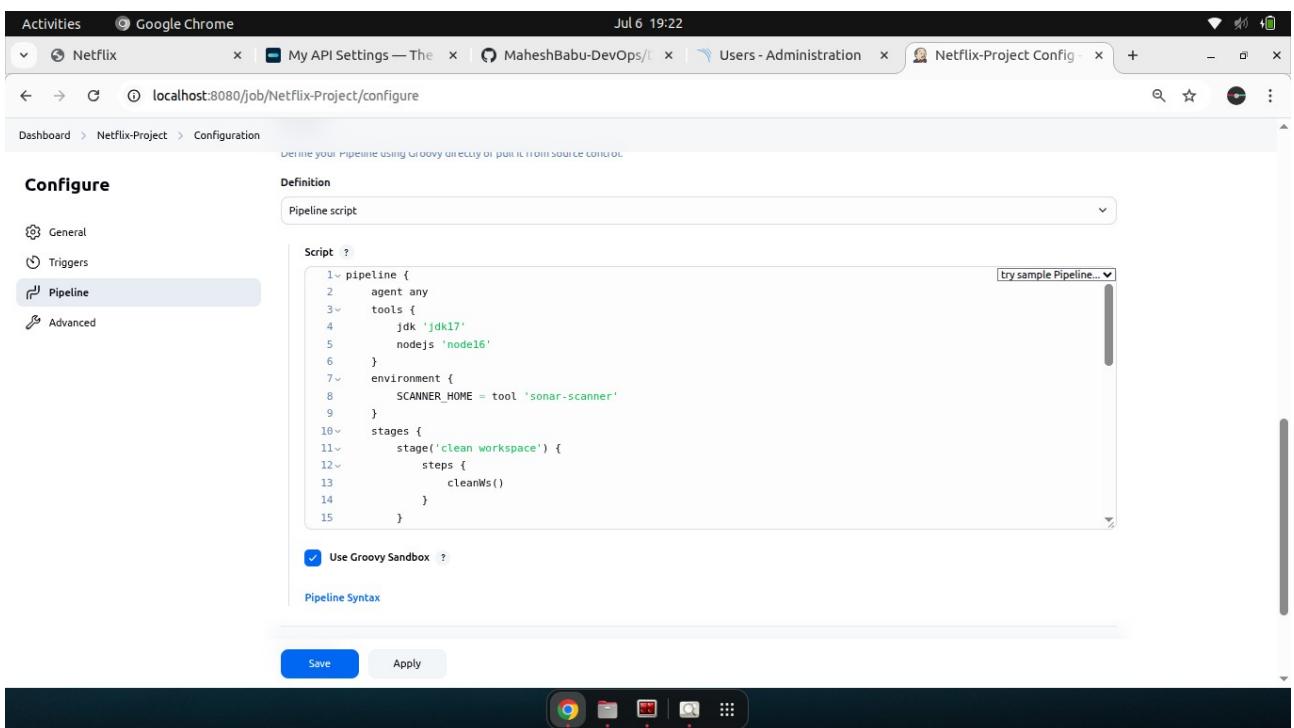
```
1~ pipeline {  
2~   agent any  
3~   tools {  
4~     jdk 'jdk17'  
5~     nodejs 'node16'  
6~   }  
7~   environment {  
8~     SCANNER_HOME = tool 'sonar-scanner'  
9~   }  
10~  stages {  
11~    stage('clean workspace') {  
12~      steps {  
13~        cleanWs()  
14~      }  
15~    }  
}
```

try sample Pipeline... ▾

Use Groovy Sandbox ?

Pipeline Syntax

Save Apply



Activities Google Chrome Jul 6 19:22

Netflix My API Settings — The MaheshBabu-DevOps/ Users - Administration Netflix-Project Config

localhost:8080/job/Netflix-Project/configure

Dashboard > Netflix-Project > Configuration

**Configure**

- General
- Triggers
- Pipeline**
- Advanced

```
11      stages {
12        stage('Install Dependencies') {
13          steps {
14            script {
15              sh "npm install"
16            }
17          }
18        }
19      }
20    }
21  }
22 }
```

Use Groovy Sandbox ?

[Pipeline Syntax](#)

**Advanced**

Advanced

**Save** **Apply**

**Saved**

REST API Jenkins 2.504.3

This screenshot shows the Jenkins Pipeline configuration page for a job named 'Netflix-Project'. The 'Pipeline' tab is selected in the sidebar. The main area displays Groovy code for the pipeline stages. A green banner at the bottom indicates the configuration has been saved. The Jenkins version '2.504.3' is visible in the bottom right corner.

Activities Google Chrome Jul 6 19:22

Netflix My API Settings — The MaheshBabu-DevOps/ Users - Administration Netflix-Project - Jenkins mahesh log out

localhost:8080/job/Netflix-Project/

**Jenkins**

Dashboard > Netflix-Project >

**Status** **Netflix-Project** **Add description**

**Changes** **Build Now** **Permalinks**

**Configure** **Delete Pipeline** **Stages** **Rename** **Pipeline Syntax**

**Builds** **No builds**

Today **Build scheduled**

localhost:8080/job/Netflix-Project/build?delay=0sec

REST API Jenkins 2.504.3

This screenshot shows the Jenkins Pipeline status page for the 'Netflix-Project'. It displays the pipeline configuration and the current status, which includes a scheduled build. The Jenkins version '2.504.3' is visible in the bottom right corner.

Activities Google Chrome Jul 6 19:23

Netflix My API Settings — The MaheshBabu-DevOps/... Users - Administration Netflix-Project #1 Con...

localhost:8080/job/Netflix-Project/1/console

## Jenkins

Dashboard > Netflix-Project > #1

Status Changes

Console Output

Started by user mahesh  
[Pipeline] Start of Pipeline  
[Pipeline] node  
Running on Jenkins in /var/lib/jenkins/workspace/Netflix-Project  
[Pipeline] {  
[Pipeline] tool  
Unpacking <https://repo1.maven.org/maven2/org/sonarsource/scanner/cli/7.1.0.4889/sonar-scanner-cli-7.1.0.4889.zip> to /var/lib/jenkins/tools/hudson.plugins.sonar.SonarRunnerInstallation/sonar-scanner on Jenkins  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] stage  
[Pipeline] { (Declarative: Tool Install)  
[Pipeline] tool  
Unpacking [https://github.com/adoptium/temurin17-binaries/releases/download/jdk-17.0.8.1%2B1/OpenJDK17U-jdk\\_x64\\_linux\\_hotspot\\_17.0.8.1\\_1.tar.gz](https://github.com/adoptium/temurin17-binaries/releases/download/jdk-17.0.8.1%2B1/OpenJDK17U-jdk_x64_linux_hotspot_17.0.8.1_1.tar.gz) to /var/lib/jenkins/tools/hudson.model.JDK/jdk17 on Jenkins

Progress: Download Copy View as plain text

REST API Jenkins 2.504.3

Activities Google Chrome Jul 6 19:24

Netflix My API Settings — The MaheshBabu-DevOps/... How do you want to cre... Netflix-Project #1 Con...

localhost:9000/projects/create?mode=manual

## sonarqube

Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects...

### Create a project

All fields marked with \* are required

Project display name \*

Project key \*

Main branch name \*

Set Up

Embedded database should be used for evaluation purposes only  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

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Activities Google Chrome Jul 6 19:24

Netflix My API Settings — The MaheshBabu-DevOps/... How do you want to cr... Netflix-Project #1 Con... +

localhost:9000/projects/create?mode=manual

sonarcube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

### Create a project

All fields marked with \* are required

**Project display name \***  
Netflix

Up to 255 characters. Some scanners might override the value you provide.

**Project key \***  
Netflix

The project key is a unique identifier for your project. It may contain up to 400 characters. Allowed characters are alphanumeric, '-' (dash), '\_' (underscore), '.' (period) and '-' (colon), with at least one non-digit.

**Main branch name \***  
main

The name of your project's default branch [Learn More](#)

**Set Up**

**Embedded database should be used for evaluation purposes only**  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

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Activities Google Chrome Jul 6 19:24

Netflix My API Settings — The MaheshBabu-DevOps/... Netflix Netflix-Project #1 Con... +

localhost:9000/dashboard?id=Netflix

sonarcube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

Netflix main

Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

### How do you want to analyze your repository?

Do you want to integrate with your favorite CI? Choose one of the following tutorials.

**With Jenkins**  With Jenkins

**With GitHub Actions**  With GitHub Actions

**With Bitbucket Pipelines**  With Bitbucket Pipelines

**With GitLab CI**  With GitLab CI

**With Azure Pipelines**  With Azure Pipelines

**Other CI**  Other CI

Are you just testing or have an advanced use-case? Analyze your project locally.

**Locally**  Locally

**Embedded database should be used for evaluation purposes only**  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

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Activities Google Chrome Jul 6 19:25

Netflix My API Settings — The MaheshBabu-DevOps/ Netflix localhost:9000/dashboard?id=Netflix&selectedTutorial=local Netflix-Project #1 Con...

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

Netflix main Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

Analyze your project  
We initialized your project on SonarQube, now it's up to you to launch analyses!

1 Provide a token  
Analyze "Netflix": sqp\_fb8637165d28cf839694fb67a82cb3507e055517  
The token is used to identify you when an analysis is performed. If it has been compromised, you can revoke it at any point in time in your user account.  
Continue

2 Run analysis on your project

Embedded database should be used for evaluation purposes only  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

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Activities Google Chrome Jul 6 19:25

Netflix My API Settings — The MaheshBabu-DevOps/ Netflix localhost:9000/dashboard?id=Netflix&selectedTutorial=local Netflix-Project #1 Con...

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

Netflix main Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

Analyze your project  
We initialized your project on SonarQube, now it's up to you to launch analyses!

1 Provide a token  
Analyze "Netflix": sqp\_fb8637165d28cf839694fb67a82cb3507e055517

2 Run analysis on your project  
What option best describes your build?  
 Maven  Gradle  .NET  Other (for JS, TS, Go, Python, PHP, ...)  
What is your OS?  
 Linux  Windows  macOS  
Download and unzip the Scanner for Linux  
Visit the [official documentation](#) of the Scanner to download the latest version, and add the `bin` directory to the `PATH` environment variable  
Execute the Scanner  
Running a SonarQube analysis is straightforward. You just need to execute the following commands in your project's folder.  

```
sonar-scanner \
--sonar.projectKey=Netflix \
--sonar.sources= \
--sonar.host.url=http://localhost:9000 \
--sonar.login=sg_fb8637165d28cf839694fb67a82cb3507e055517
```

Please visit the [official documentation](#) of the Scanner for more details.

Activities Google Chrome Jul 6 19:27

Netflix My API Settings — The MaheshBabu-DevOps/ Netflix Netflix-Project #1 Con localhost:9000/dashboard?id=Netflix&selectedTutorial=local

sonarcube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

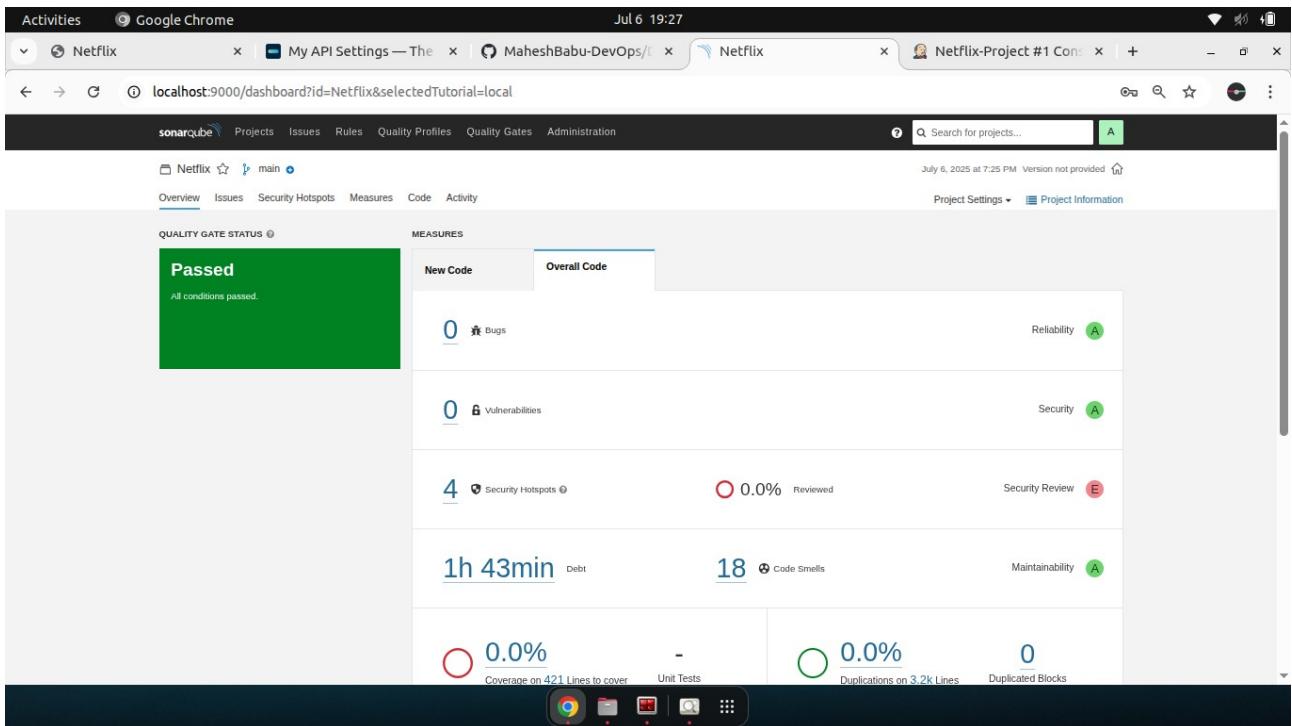
QUALITY GATE STATUS  All conditions passed.

MEASURES

New Code Overall Code

0 Bugs	Reliability 		
0 Vulnerabilities	Security 		
4 Security Hotspots 	0.0% Reviewed	Security Review 	
1h 43min Debt	18 Code Smells	Maintainability 	
 0.0% Coverage on 421 Lines to cover	- Unit Tests	 0.0% Duplications on 3.2K Lines	0 Duplicated Blocks

Coverage on 421 Lines to cover Unit Tests Duplications on 3.2K Lines Duplicated Blocks

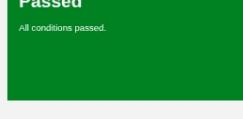


Activities Google Chrome Jul 6 19:27

Netflix My API Settings — The MaheshBabu-DevOps/ Netflix Netflix-Project #1 Con localhost:9000/dashboard?id=Netflix&selectedTutorial=local

sonarcube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

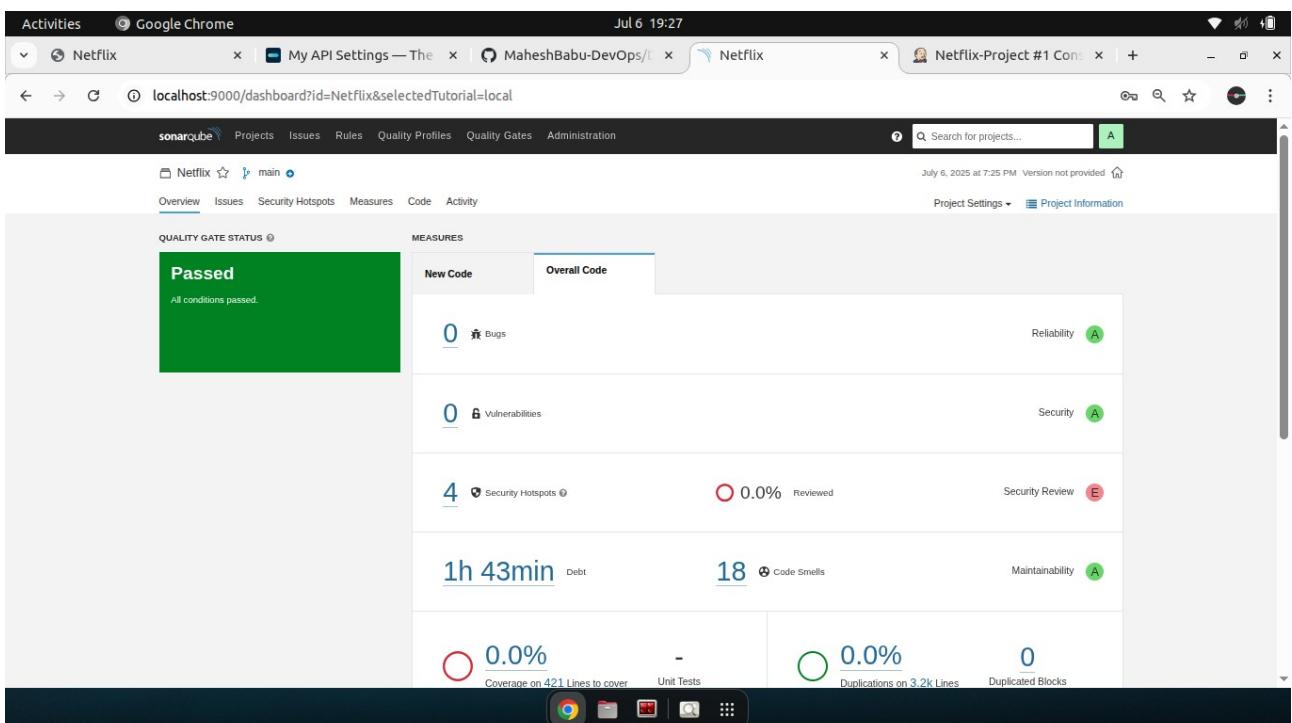
QUALITY GATE STATUS  All conditions passed.

MEASURES

New Code Overall Code

0 Bugs	Reliability 		
0 Vulnerabilities	Security 		
4 Security Hotspots 	0.0% Reviewed	Security Review 	
1h 43min Debt	18 Code Smells	Maintainability 	
 0.0% Coverage on 421 Lines to cover	- Unit Tests	 0.0% Duplications on 3.2K Lines	0 Duplicated Blocks

Coverage on 421 Lines to cover Unit Tests Duplications on 3.2K Lines Duplicated Blocks



Activities Google Chrome Jul 6 19:28

Netflix My API Settings — The MaheshBabu-DevOps/ Netflix localhost:8080/job/Netflix-Project/ Netflix-Project - Jenkins

Jenkins

Dashboard > Netflix-Project >

Status Netflix-Project Add description

</> Changes Build Now

Configure Delete Pipeline Full Stage View Stages Rename Pipeline Syntax

Average stage times:

Declarative: Tool Install	clean workspace	Checkout from Git	Sonarqube Analysis	quality gate
1min 48s	824ms	13s	57s	1s
Jul 06 19:22	No Changes			
1min 48s	824ms	13s	57s	1s (passed for 2min 1sec)

Builds Filter Today #1 19:22

Permalinks Last build (#1), 5 min 37 sec ago

REST API Jenkins 2.504.3

This screenshot shows the Jenkins pipeline interface for the 'Netflix-Project'. It displays a timeline of stages: 'Declarative: Tool Install' (1min 48s), 'clean workspace' (824ms), 'Checkout from Git' (13s), 'Sonarqube Analysis' (57s), and 'quality gate' (1s). The 'quality gate' stage is highlighted with a blue diagonal pattern. Below the timeline, a specific build is selected, showing it was run on July 06 at 19:22 with no changes. The 'Builds' section includes a 'Filter' input and a date dropdown set to 'Today'. A 'Permalinks' section shows the link to the last build. At the bottom right, there are links for 'REST API' and 'Jenkins 2.504.3'.

Activities Google Chrome Jul 6 19:30

Netflix My API Settings — The Code MaheshBabu-DevOps/ Netflix-Project - Jenkins

localhost:9000/code?id=Netflix

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

Netflix main Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

Search for files...

	Lines of Code	Bugs	Vulnerabilities	Code Smells	Security Hotspots	Coverage	Duplications
Netflix							
L <input type="checkbox"/> Kubernetes	49	0	0	0	0	—	0.0%
L <input type="checkbox"/> public	28	0	0	0	0	—	0.0%
L <input type="checkbox"/> src	3,083	0	0	17	1	0.0%	0.0%
* L <input type="checkbox"/> Dockerfile	16	0	0	1	3	—	0.0%
* L <input type="checkbox"/> index.html	23	0	0	0	0	—	0.0%
* L <input type="checkbox"/> vite.config.ts	6	0	0	0	0	—	0.0%

6 of 6 shown

Embedded database should be used for evaluation purposes only  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

SonarQube™ technology is powered by SonarSource SA  
Community Edition - v9.9.8 (build 100196) - [LGPL v3](#) - [Community](#) - [Documentation](#) - [Plugins](#) - [Web API](#)

This screenshot shows the SonarQube interface for the 'Netflix' project. It displays a detailed report of code metrics across various files and directories. The table includes columns for Lines of Code, Bugs, Vulnerabilities, Code Smells, Security Hotspots, Coverage, and Duplications. The 'Code' tab is selected. A note at the bottom states: 'Embedded database should be used for evaluation purposes only. The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.' At the bottom, there is footer information about the SonarQube technology and its license.

Activities Google Chrome Jul 6 19:31

Netflix My API Settings — The Netflix MaheshBabu-DevOps/... Netflix-Project #1 Con...

localhost:8080/job/Netflix-Project/1/console

Dashboard > Netflix-Project > #1

```

19:26:01.907 INFO More about the report processing at http://localhost:9000/api/ce/task?id=AZfgBbzLQ9sXhEYmvMEP
19:26:09.165 INFO Analysis total time: 45.169 s
19:26:09.168 INFO EXECUTION SUCCESS
19:26:09.174 INFO Total time: 53.776s
[Pipeline]
[Pipeline] // withSonarQubeEnv
[Pipeline]
[Pipeline] // withEnv
[Pipeline]
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (quality gate)
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] waitForQualityGate
Checking status of SonarQube task 'AZfgBbzLQ9sXhEYmvMEP' on server 'sonar-server'
SonarQube task 'AZfgBbzLQ9sXhEYmvMEP' status is 'IN_PROGRESS'

...

```

REST API Jenkins 2.504.3

Activities Google Chrome Jul 6 19:35

Netflix My API Settings — The Netflix MaheshBabu-DevOps/... Netflix-Project - Jenkins ...

localhost:8080/job/Netflix-Project/

**Jenkins**

Dashboard > Netflix-Project >

Status Netflix-Project Add description

</> Changes

▷ Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

Average stage times:

Declarative: Tool Install	clean workspace	Checkout from Git	Sonarqube Analysis	quality gate
1min 48s	824ms	13s	57s	1s

Jul 06 19:22 No Changes

1min 48s	824ms	13s	57s	1s (passed for 1m 29s)
----------	-------	-----	-----	---------------------------

**Stage View**

Permalinks

- Last build (#1), 9 min 21 sec ago

Builds Filter Today #1 19:22

REST API Jenkins 2.504.3

Activities Google Chrome Jul 6 19:43

Netflix My API Settings Netflix MaheshBabu-Dev Available plugins Amazon.in:apple localhost:8080/manage/pluginManager/available

Jenkins

Dashboard > Manage Jenkins > Plugins

Plugins

Available plugins

Search: owasp

Install OWASP Dependency-Check 5.6.1 Released 2 mo 16 days ago

OWASP Dependency-Track 6.0.1 Released 3 mo 14 days ago

Official OWASP ZAP 1.1.0 Released 7 yr 12 mo ago

OWASP ZAP 1.0.7 Released 10 yr ago

Install

This screenshot shows the Jenkins plugin manager interface. The user has searched for 'owasp'. The results page lists several available plugins, each with a checkbox for 'Install', a name, a release date, and a brief description. The 'Available plugins' tab is selected in the sidebar.

Activities Terminator Jul 6 19:50

dell@mahesh: ~/project/DevSecOps-Project

```
Jul 06 18:58:20 mahesh jenkins[19144]: 2025-07-06 13:28:20.837+0000 [id=34] INFO jenkins.InitReactorRunner$1#onAttained: Completed init
Jul 06 18:58:20 mahesh jenkins[19144]: 2025-07-06 13:28:20.873+0000 [id=24] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up
Jul 06 18:58:20 mahesh systemd[1]: Started Jenkins Continuous Integration Server.
Jul 06 18:58:23 mahesh jenkins[19144]: 2025-07-06 13:28:23.136+0000 [id=54] INFO h.m.DownloadService$Downloadable#load: Obtained the update
Jul 06 18:58:23 mahesh jenkins[19144]: 2025-07-06 13:28:23.139+0000 [id=54] INFO hudson.util.Retrier#start: Performed the action check
dell@mahesh:~/project/DevSecOps-Project$ sudo usermod -l Mahesh mahi320
[sudo] password for dell:
usermod: user 'mahi320' does not exist
dell@mahesh:~/project/DevSecOps-Project$ docker login
```

USING WEB-BASED LOGIN

Info → To sign in with credentials on the command line, use 'docker login -u <username>'

Your one-time device confirmation code is: CNGF-ZWVM  
Press ENTER to open your browser or submit your device code here: <https://login.docker.com/activate>

Waiting for authentication in the browser...

WARNING! Your credentials are stored unencrypted in '/home/dell/.docker/config.json'. Configure a credential helper to remove this warning. See <https://docs.docker.com/go/credential-store/>

Login Succeeded

```
dell@mahesh:~/project/DevSecOps-Project$ docker info | grep Username
Username: mahi320
dell@mahesh:~/project/DevSecOps-Project$ docker info | grep Username
Username: mahi320
dell@mahesh:~/project/DevSecOps-Project$
```

This screenshot shows a terminal session on a Linux system. The user runs 'docker login' and is prompted for their Docker ID. They are then shown a one-time device confirmation code. The terminal also displays a warning about unencrypted credentials in the config file and instructions for configuring a credential helper. Finally, it shows the 'Login Succeeded' message and the user's Docker configuration.

Activities Google Chrome Jul 6 19:53

localhost:8080/manage/pluginManager/available

Jenkins

Dashboard > Manage Jenkins > Plugins

Plugins

Available plugins

Search: docker

Install Name Released

Install	Name	Released
<input checked="" type="checkbox"/>	OWASP Dependency-Check 5.6.1	2 mo 16 days ago
<input checked="" type="checkbox"/>	Docker 1274.vc0203fdf2e74	4 mo 0 days ago
<input checked="" type="checkbox"/>	Docker Commons 457.v0f62a_94f11a_3	1 mo 7 days ago
<input checked="" type="checkbox"/>	Docker Pipeline 621.va_73f881d9232	1 mo 7 days ago
<input checked="" type="checkbox"/>	Docker API 3.5.2-119.v54c784c71fa_3	4 days 13 hr ago
<input checked="" type="checkbox"/>	docker-build-step 2.12	

Install

Updates Available plugins Installed plugins Advanced settings Download progress

Dashboard > Manage Jenkins > Plugins

Available plugins

Search: docker

Install Name Released

Install	Name	Released
<input checked="" type="checkbox"/>	OWASP Dependency-Check 5.6.1	2 mo 16 days ago
<input checked="" type="checkbox"/>	Docker 1274.vc0203fdf2e74	4 mo 0 days ago
<input checked="" type="checkbox"/>	Docker Commons 457.v0f62a_94f11a_3	1 mo 7 days ago
<input checked="" type="checkbox"/>	Docker Pipeline 621.va_73f881d9232	1 mo 7 days ago
<input checked="" type="checkbox"/>	Docker API 3.5.2-119.v54c784c71fa_3	4 days 13 hr ago
<input checked="" type="checkbox"/>	docker-build-step 2.12	

Install

Updates Available plugins Installed plugins Advanced settings Download progress

Activities Google Chrome Jul 6 19:53

localhost:8080/manage/pluginManager/updates/

Jenkins

Dashboard > Manage Jenkins > Plugins

Plugins

Available plugins

Updates

Installed plugins

Advanced settings

Download progress

Plugin	Status
Loading plugin extensions	Success
Pipeline Graph Analysis	Success
Pipeline: REST API	Success
Pipeline: Stage View	Success
Loading plugin extensions	Success
OWASP Dependency-Check	Success
Cloud Statistics	Success
Authentication Tokens API	Pending
Docker Commons	Pending
Apache HttpComponents Client 5.x API	Pending
Commons Compress API	Pending
Docker API	Pending
Docker	Pending
Docker Commons	Pending
Docker Pipeline	Pending
Docker API	Pending
Javadoc	Pending
Dev Tools Symbols API	Pending
JSch dependency	Pending
Maven Integration	Pending
docker-build-step	Pending
Loading plugin extensions	Pending

→ Go back to the top page  
(you can start using the installed plugins right away)

→  Restart Jenkins when installation is complete and no jobs are running

Activities Google Chrome Jul 6 19:54

localhost:8080/manage/credentials/store/system/domain/\_/newCredentials

## New credentials

**Kind**

Username with password

**Scope** ? Global (Jenkins, nodes, items, all child items, etc)

**Username** ? mahi320

Treat username as secret ?

**Password** ?

**ID** ? docker

**Create**

Activities Google Chrome Jul 6 19:54

localhost:8080/manage/credentials/store/system/domain/\_/

## Global credentials (unrestricted)

+ Add Credentials

Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
Sonar-token	Sonar-token	Secret text	Sonar-token
docker	mahi320***** (docker)	Username with password	docker

Icon: S M L

REST API Jenkins 2.504.3

Activities Google Chrome Jul 6 19:54

localhost:8080/manage/pluginManager/updates/

Dashboard > Manage Jenkins > Plugins

### Plugins

- Updates
- Available plugins
- Installed plugins
- Advanced settings
- Download progress

Plugin	Status
Loading plugin extensions	Success
OWASP Dependency-Check	Success
Cloud Statistics	Success
Authentication Tokens API	Success
Docker Commons	Success
Apache HttpComponents Client 5.x API	Success
Commons Compress API	Success
Docker API	Success
Docker	Success
Docker Commons	Success
Docker Pipeline	Success
Docker API	Success
Javadoc	Success
Dev Tools Symbols API	Success
JSch dependency	Success
Maven Integration	Success
docker-build-step	Success
Loading plugin extensions	Success

→ Go back to the top page  
(you can start using the installed plugins right away)

→  Restart Jenkins when installation is complete and no jobs are running

REST API Jenkins 2.504.3



Activities Google Chrome Jul 6 19:56

localhost:8080/manage/configureTools/

Dashboard > Manage Jenkins > Tools

### Dependency-Check installations

Add Dependency-Check

Dependency-Check

Name: DP-Check

Install automatically:

Install from github.com

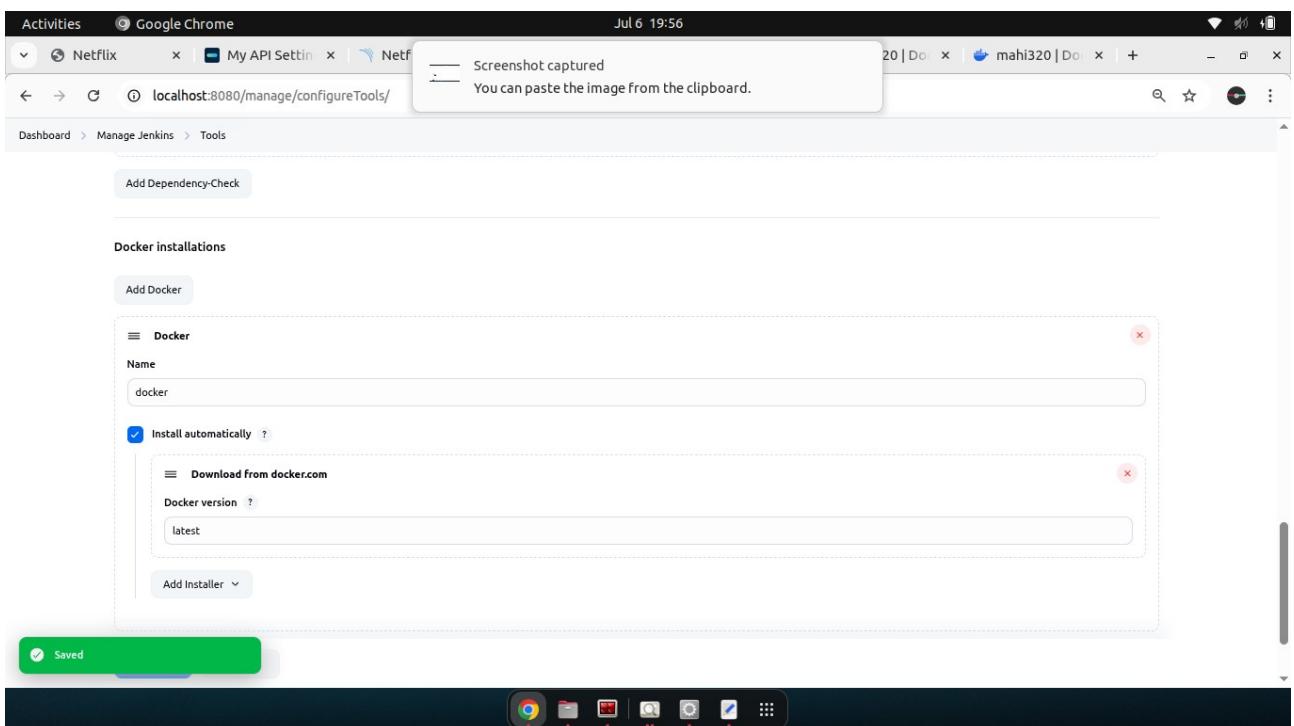
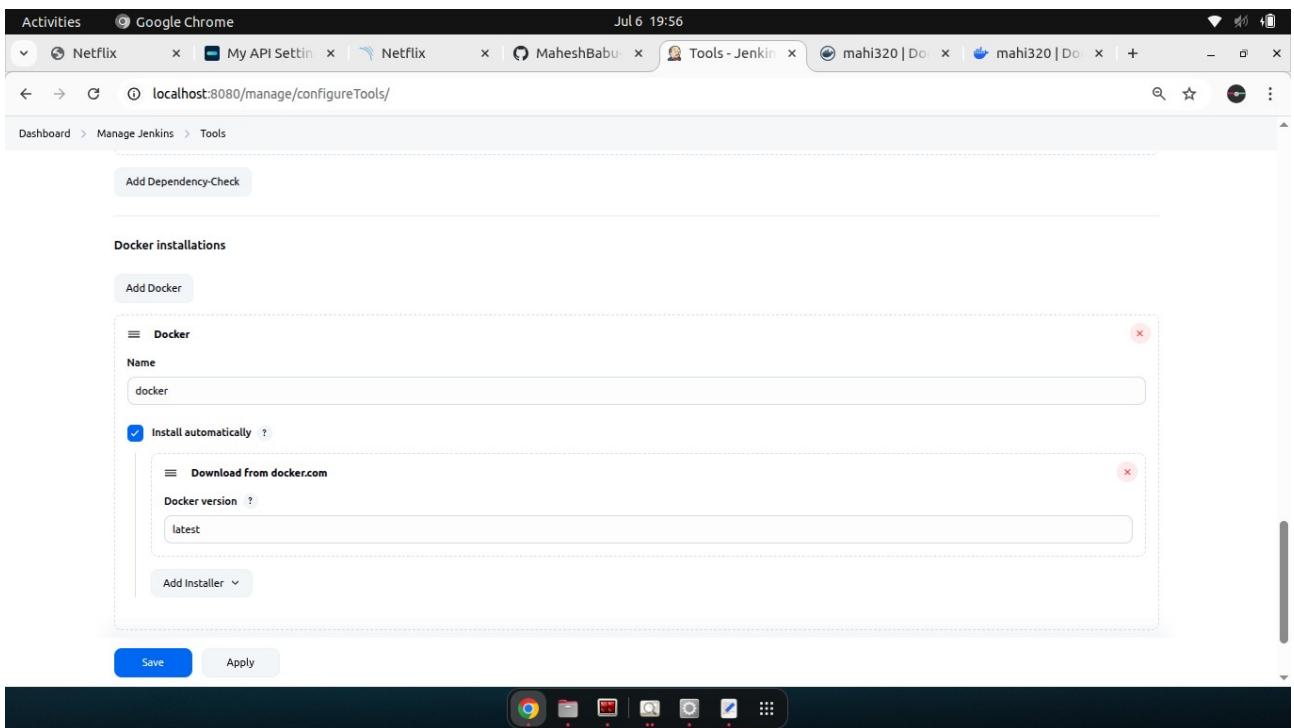
Version: dependency-check 12.1.3

Add Installer

Add Dependency-Check

Save Apply





Activities Terminator Jul 6 20:00

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31

WARNING! Your credentials are stored unencrypted in '/home/dell/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

Login Succeeded
dell@mahesh:~/project/DevSecOps-Project$ docker info | grep Username
Username: mahi320
dell@mahesh:~/project/DevSecOps-Project$ docker info | grep Username
Username: mahi320
dell@mahesh:~/project/DevSecOps-Project$ ls
Dockerfile Kubernetes pipeline.txt README.md tsconfig.json vercel.json yarn.lock
index.html package.json public src tsconfig.node.json vite.config.ts
dell@mahesh:~/project/DevSecOps-Project$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
9e72d11e348b sonarqube:lts-community "/opt/sonarqube/dock..." About an hour ago Up About an hour 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
sonar
3c4ba7045ad9 netflix:latest "nginx -g 'daemon off;'" 2 hours ago Up 2 hours 0.0.0.0:8081->80/tcp, [::]:8081->80/tcp
netflix
dell@mahesh:~/project/DevSecOps-Project$ docker stop 3c4ba7045ad9
3c4ba7045ad9
dell@mahesh:~/project/DevSecOps-Project$ docker rm 3c4ba7045ad9
3c4ba7045ad9
dell@mahesh:~/project/DevSecOps-Project$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
9e72d11e348b sonarqube:lts-community "/opt/sonarqube/dock..." About an hour ago Up About an hour 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
sonar
dell@mahesh:~/project/DevSecOps-Project$
```

Activities Terminator Jul 6 20:01

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31

dell@mahesh:~/project/DevSecOps-Project$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
9e72d11e348b sonarqube:lts-community "/opt/sonarqube/dock..." About an hour ago Up About an hour 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
sonar
dell@mahesh:~/project/DevSecOps-Project$
```

Activities Google Chrome Jul 6 20:02

localhost:8080/job/Netflix-Project/ Jenkins

Status Netflix-Project Add description

</> Changes

Build Now

Configure

Delete Pipeline

Full Stage View

SonarQube

Stages

Rename

Pipeline Syntax

Stage View

Average stage times:

Declarative: Tool Install	clean workspace	Checkout from Git	Sonarqube Analysis	quality gate	Install Dependencies
1min 48s	824ms	13s	57s	2s	544ms

Jul 06 19:22 No Changes

1min 48s 824ms 13s 57s 2s (paused for 35min 50s) 544ms

Install Dependencies aborted

SonarQube Quality Gate

Builds Netflix Passed server-side processing: Success

Filter

Today #1 19:22

Permalinks

- Last build (#1), 39 min ago
- Last unsuccessful build (#1), 39 min ago
- Last completed build (#1), 39 min ago

Add description

log out

Activities Google Chrome Jul 6 20:10

localhost:8080/job/Netflix-Project/ Jenkins

Status Netflix-Project Add description

</> Changes

Build Now

Configure

Delete Pipeline

Full Stage View

SonarQube

Stages

Rename

Pipeline Syntax

Stage View

Average stage times:

Declarative: Tool Install	clean workspace	Checkout from Git	Sonarqube Analysis	quality gate	Install Dependencies
54s	824ms	13s	57s	2s	544ms

Jul 06 20:10 No Changes

411ms

Jul 06 19:22 No Changes

1min 48s 824ms 13s 57s 2s (paused for 35min 50s) 544ms

Install Dependencies aborted

SonarQube Quality Gate

Builds Netflix Passed server-side processing: Success

Filter

Today #2 20:10 #1 19:22

Permalinks

Add description

log out

Activities Google Chrome Jul 6 20:11

localhost:8080/job/Netflix-Project/ Jenkins

Status Netflix Project

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

Netflix-Project Stage View

Average stage times:

Declarative: Tool Install	clean workspace	Checkout from Git	Sonarqube Analysis
682ms	1s	8s	50s

Jul 06 20:10 No Changes

682ms 1s 8s 50s

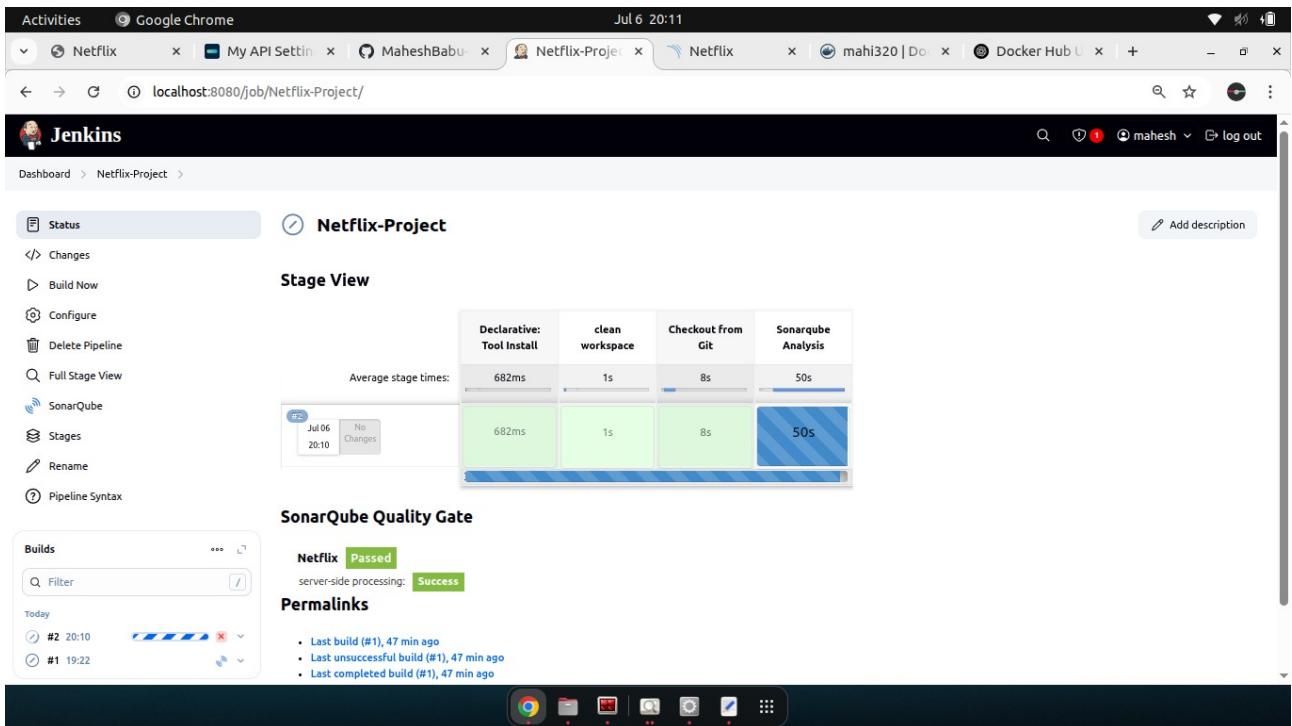
SonarQube Quality Gate

Builds Netflix Passed Filter Today #2 20:10 #1 19:22

server-side processing: Success

Permalinks

- Last build (#1), 47 min ago
- Last unsuccessful build (#1), 47 min ago
- Last completed build (#1), 47 min ago



Activities Google Chrome Jul 6 20:13

localhost:9000/dashboard?id=Netflix sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

Netflix main Overview Issues Security Hotspots Measures Code Activity

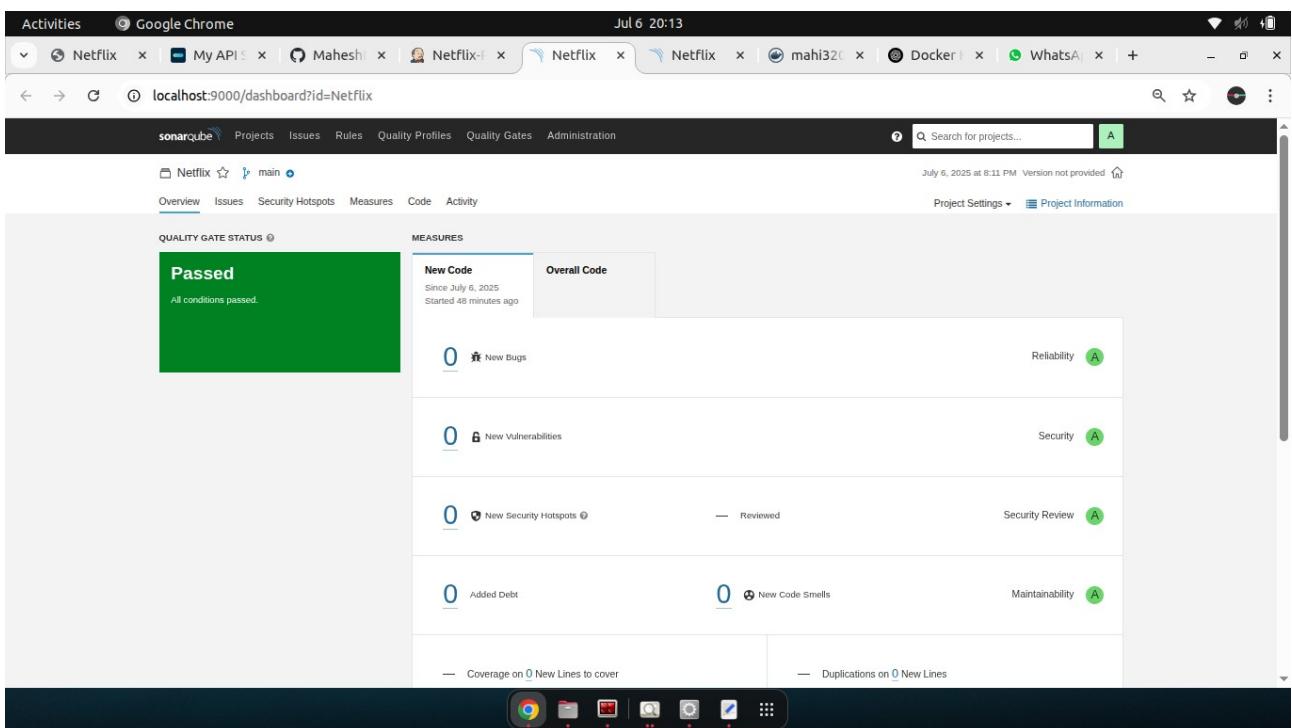
July 6, 2025 at 8:11 PM Version not provided

Project Settings Project Information

QUALITY GATE STATUS Passed All conditions passed.

MEASURES

New Code	Overall Code
0 New Bugs	Reliability A
0 New Vulnerabilities	Security A
0 New Security Hotspots	Reviewed Security Review A
0 Added Debt	0 New Code Smells Maintainability A
Coverage on 0 New Lines to cover Duplications on 0 New Lines	



Activities Terminator Jul 6 20:21

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ sudo useradd --system --no-create-home --shell /bin/false prometheus
wget https://github.com/prometheus/prometheus/releases/download/v2.47.1/prometheus-2.47.1.linux-amd64.tar.gz
[sudo] password for dell:
--2025-07-06 20:21:35-- https://github.com/prometheus/prometheus/releases/download/v2.47.1/prometheus-2.47.1.linux-amd64.tar.gz
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)|20.207.73.82|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/2f9b7b37-63a0-428b-adb5-0294482fd743?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145135Z&X-Amz-Expires=1800&X-Amz-Signature=11e46ddcbfe6b79e1df604a310432cfdbef9c4e5f104303331dea8ed163ee658X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.47.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-07-06 20:21:35-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/2f9b7b37-63a0-428b-adb5-0294482fd743?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145135Z&X-Amz-Expires=1800&X-Amz-Signature=11e46ddcbfe6b79e1df604a310432cfdbef9c4e5f104303331dea8ed163ee658X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.47.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.108.133, 185.199.110.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.111.133|:443... connected.
HTTP request sent, awaiting response... 302 Found
```

Activities Terminator Jul 6 20:21

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ sudo useradd --system --no-create-home --shell /bin/false prometheus
wget https://github.com/prometheus/prometheus/releases/download/v2.47.1/prometheus-2.47.1.linux-amd64.tar.gz
[sudo] password for dell:
--2025-07-06 20:21:35-- https://github.com/prometheus/prometheus/releases/download/v2.47.1/prometheus-2.47.1.linux-amd64.tar.gz
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)|20.207.73.82|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/2f9b7b37-63a0-428b-adb5-0294482fd743?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145135Z&X-Amz-Expires=1800&X-Amz-Signature=11e46ddcbfe6b79e1df604a310432cfdbef9c4e5f104303331dea8ed163ee658X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.47.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-07-06 20:21:35-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/2f9b7b37-63a0-428b-adb5-0294482fd743?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145135Z&X-Amz-Expires=1800&X-Amz-Signature=11e46ddcbfe6b79e1df604a310432cfdbef9c4e5f104303331dea8ed163ee658X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.47.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.108.133, 185.199.110.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.111.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 95713066 (91M) [application/octet-stream]
Saving to: 'prometheus-2.47.1.linux-amd64.tar.gz'

prometheus-2.47.1.linux-amd64.tar.gz    23%[=====>          ] 21.13M 4.75MB/s  eta 18s
```

```
Activities Terminator Jul 6 20:22
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ sudo useradd --system --no-create-home --shell /bin/false prometheus
wget https://github.com/prometheus/prometheus/releases/download/v2.47.1/prometheus-2.47.1.linux-amd64.tar.gz
[sudo] password for dell:
--2025-07-06 20:21:35-- https://github.com/prometheus/prometheus/releases/download/v2.47.1/prometheus-2.47.1.linux-amd64.tar.gz
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)|20.207.73.82|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/2f9b7b37-63a0-428b-adb5-0294482fd743?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145135Z&X-Amz-Expires=1800&X-Amz-Signature=11e46ddcbfe6b79e1df604a310432cfdbef9c4e5f104303331dea8ed163ee658X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.47.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-07-06 20:21:35-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/2f9b7b37-63a0-428b-adb5-0294482fd743?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145135Z&X-Amz-Expires=1800&X-Amz-Signature=11e46ddcbfe6b79e1df604a310432cfdbef9c4e5f104303331dea8ed163ee658X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.47.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.108.133, 185.199.110.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.111.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 95713066 (91M) [application/octet-stream]
Saving to: 'prometheus-2.47.1.linux-amd64.tar.gz'

prometheus-2.47.1.linux-amd64.tar.gz 100%[=====] 91.28M 4.95MB/s in 23s
2025-07-06 20:22:00 (3.91 MB/s) - 'prometheus-2.47.1.linux-amd64.tar.gz' saved [95713066/95713066]

dell@mahesh:~/project/DevSecOps-Project$ ls
Dockerfile Kubernetes pipeline.txt          public      src       tsconfig.node.json vite.config.ts
index.html package.json prometheus-2.47.1.linux-amd64.tar.gz README.md  tsconfig.json   vercel.json      yarn.lock
dell@mahesh:~/project/DevSecOps-Project$
```

```
Activities Terminator Jul 6 20:23
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ ls
Dockerfile Kubernetes pipeline.txt          public      src       tsconfig.node.json vite.config.ts
index.html package.json prometheus-2.47.1.linux-amd64.tar.gz README.md  tsconfig.json   vercel.json      yarn.lock
dell@mahesh:~/project/DevSecOps-Project$ tar -xvf prometheus-2.47.1.linux-amd64.tar.gz
cd prometheus-2.47.1.linux-amd64/
sudo mkdir -p /data /etc/prometheus
sudo mv prometheus promtool /usr/local/bin/
sudo mv consoles/ console_libraries/ /etc/prometheus/
sudo mv prometheus.yml /etc/prometheus/prometheus.yml
```

Activities Terminator Jul 6 20:26

```
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ ls
Dockerfile package.json      prometheus-2.47.1.linux-amd64.tar.gz  src          vercel.json
index.html pipeline.txt       public                  tsconfig.json   vite.config.ts
Kubernetes prometheus-2.47.1.linux-amd64 README.md           tsconfig.node.json  yarn.lock
dell@mahesh:~/project/DevSecOps-Project$ sudo nano /etc/systemd/system/prometheus.service
dell@mahesh:~/project/DevSecOps-Project$ sudo systemctl enable prometheus
sudo systemctl start prometheus
Created symlink /etc/systemd/system/multi-user.target.wants/prometheus.service → /etc/systemd/system/prometheus.service.
dell@mahesh:~/project/DevSecOps-Project$ sudo systemctl status prometheus
● prometheus.service - Prometheus
   Loaded: loaded (/etc/systemd/system/prometheus.service; enabled; vendor preset: enabled)
     Active: active (running) since Sun 2025-07-06 20:26:29 IST; 2s ago
       Main PID: 23673 (prometheus)
         Tasks: 9 (limit: 14096)
        Memory: 16.6M
          CPU: 278ms
        CGroup: /system.slice/prometheus.service
                └─23673 /usr/local/bin/prometheus --config.file=/etc/prometheus.yml --storage.tsdb.path=/data --web.console.templates=/etc/pr

Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.372Z caller=head.go:681 level=info component=tsdb msg="On-disk memory mappable chunk"
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.372Z caller=head.go:689 level=info component=tsdb msg="Replaying WAL, this may take >
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.373Z caller=head.go:760 level=info component=tsdb msg="WAL segment loaded" segment=6>
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.373Z caller=head.go:797 level=info component=tsdb msg="WAL replay completed" checkpoint=6>
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.383Z caller=main.go:1045 level=info fs_type=EXT4_SUPER_MAGIC
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.383Z caller=main.go:1048 level=info msg="TSDB started"
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.383Z caller=main.go:1229 level=info msg="Loading configuration file" filename=/etc/p
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.441Z caller=main.go:1266 level=info msg="Completed loading of configuration file" fi
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.441Z caller=main.go:1009 level=info msg="Server is ready to receive web requests."
Jul 06 20:26:29 mahesh prometheus[23673]: ts=2025-07-06T14:56:29.441Z caller=manager.go:1009 level=info component="rule manager" msg="Starting rule r
lines 1-20/20 (END)
```

Activities Google Chrome Jul 6 20:27

My API S Netflix Projects Prometeus Mahesh Netflix Docker Docker WhatsApp

localhost:9090/graph?g0.expr=&g0.tab=1&g0.stacked=0&g0.show\_exemplars=0&g0.range\_input=1h

Prometheus Alerts Graph Status Help

Use local time  Enable query history  Enable autocomplete  Enable highlighting  Enable linter

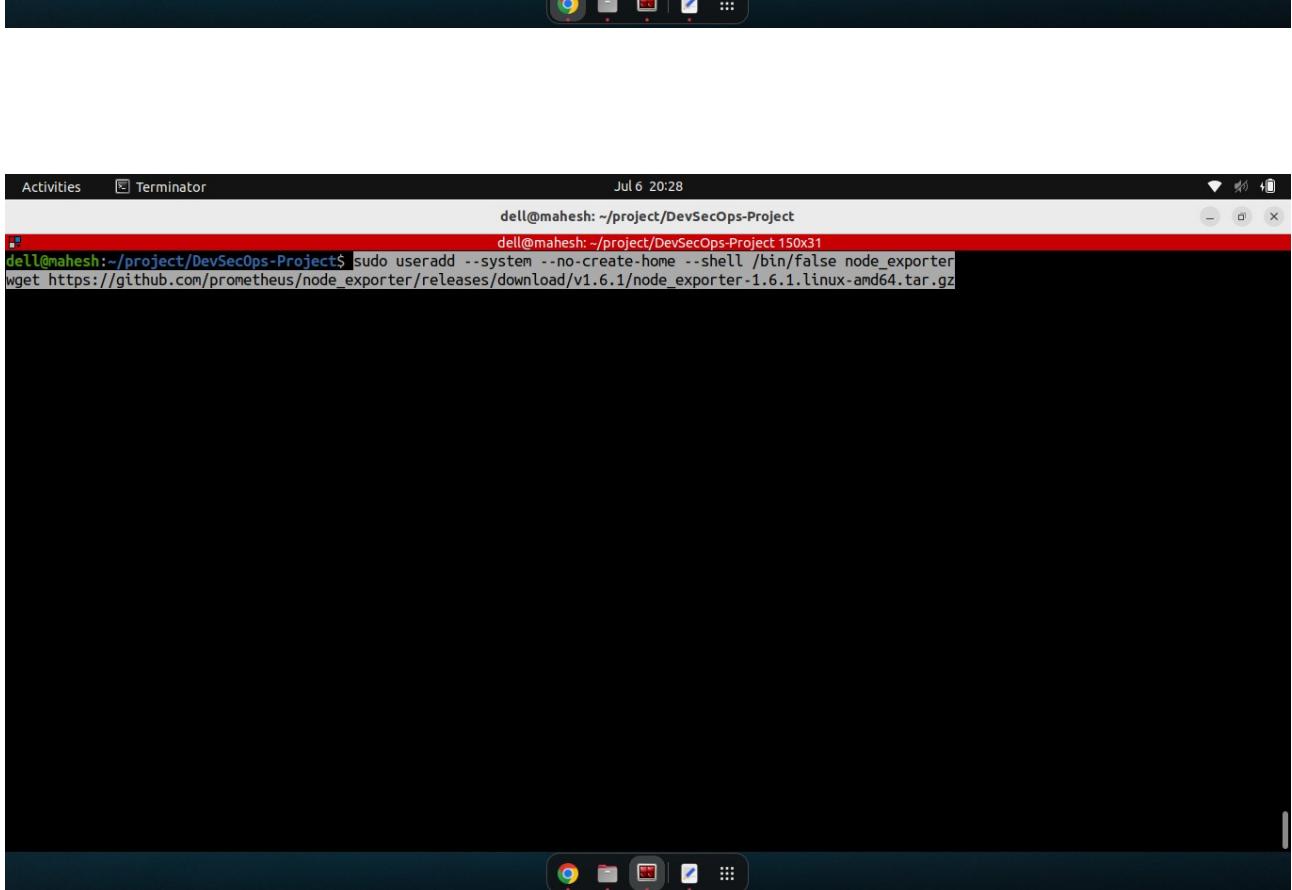
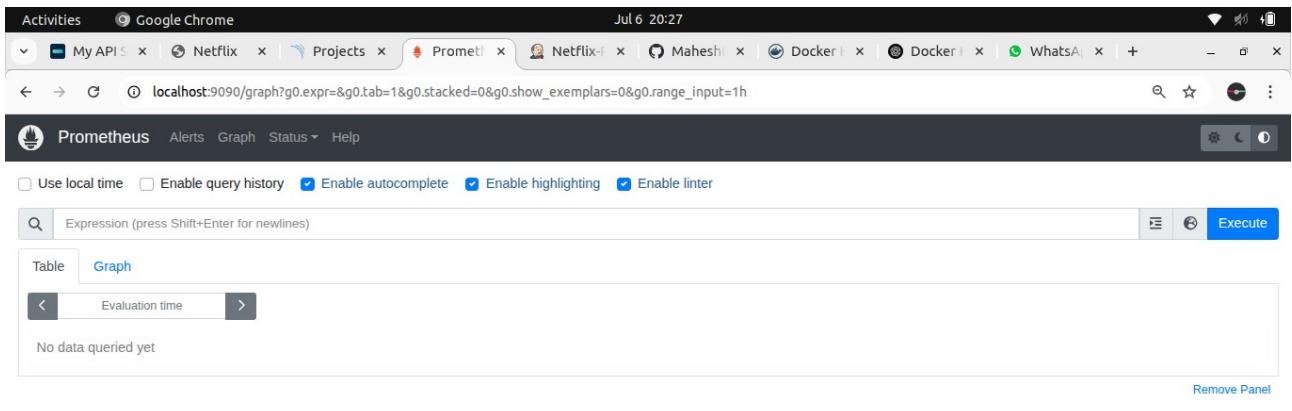
Expression (press Shift+Enter for newlines) Execute

Table Graph

Evaluation time Remove Panel

No data queried yet

Add Panel



```
Activities Terminator Jul 6 20:28
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ sudo useradd --system --no-create-home --shell /bin/false node_exporter
wget https://github.com/prometheus/node_exporter/releases/download/v1.6.1/node_exporter-1.6.1.linux-amd64.tar.gz
--2025-07-06 20:28:35-- https://github.com/prometheus/node_exporter/releases/download/v1.6.1/node_exporter-1.6.1.linux-amd64.tar.gz
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)|20.207.73.82|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/9524057/5509b569-5c34-471e-8598-c05c0733bb7f?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145835Z&X-Amz-Expires=1800&X-Amz-Signature=d6806d41fafb938d983044e3c21ef4e328f511a30ec51d0b5a15ff3fe367a24c&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20file
name%3Dnode_exporter-1.6.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-07-06 20:28:35-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/9524057/5509b569-5c34-471e-8598-c05c0733bb7f?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250706%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250706T145835Z&X-Amz-Expires=1800&X-Amz-Signature=d6806d41fafb938d983044e3c21ef4e328f511a30ec51d0b5a15ff3fe367a24c&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dnode_exporter-1.6.1.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.108.133, 185.199.110.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.111.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 10368103 (9.9M) [application/octet-stream]
Saving to: 'node_exporter-1.6.1.linux-amd64.tar.gz'

node_exporter-1.6.1.linux-amd64.tar.g 100%[=====] 9.89M 4.33MB/s in 2.3s
2025-07-06 20:28:39 (4.33 MB/s) - 'node_exporter-1.6.1.linux-amd64.tar.gz' saved [10368103/10368103]

dell@mahesh:~/project/DevSecOps-Project$
```

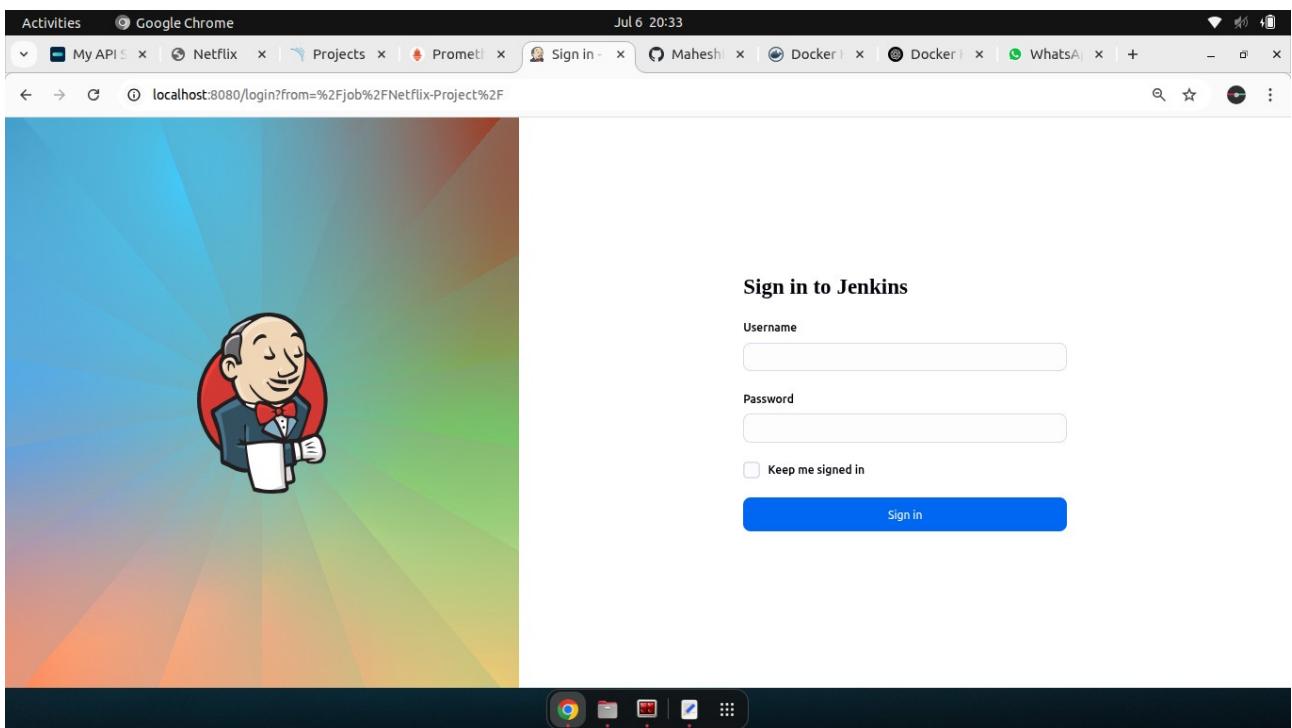
```
Activities Terminator Jul 6 20:29
dell@mahesh: ~/project/DevSecOps-Project
dell@mahesh: ~/project/DevSecOps-Project 150x31
dell@mahesh:~/project/DevSecOps-Project$ sudo systemctl status node_exporter
● node_exporter.service - Node Exporter
   Loaded: loaded (/etc/systemd/system/node_exporter.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2025-07-06 20:29:07 IST; 4s ago
     Main PID: 23869 (node_exporter)
        Tasks: 5 (limit: 14096)
       Memory: 2.8M
          CPU: 31ms
        CGroup: /system.slice/node_exporter.service
               └─23869 /usr/local/bin/node_exporter --collector.logind

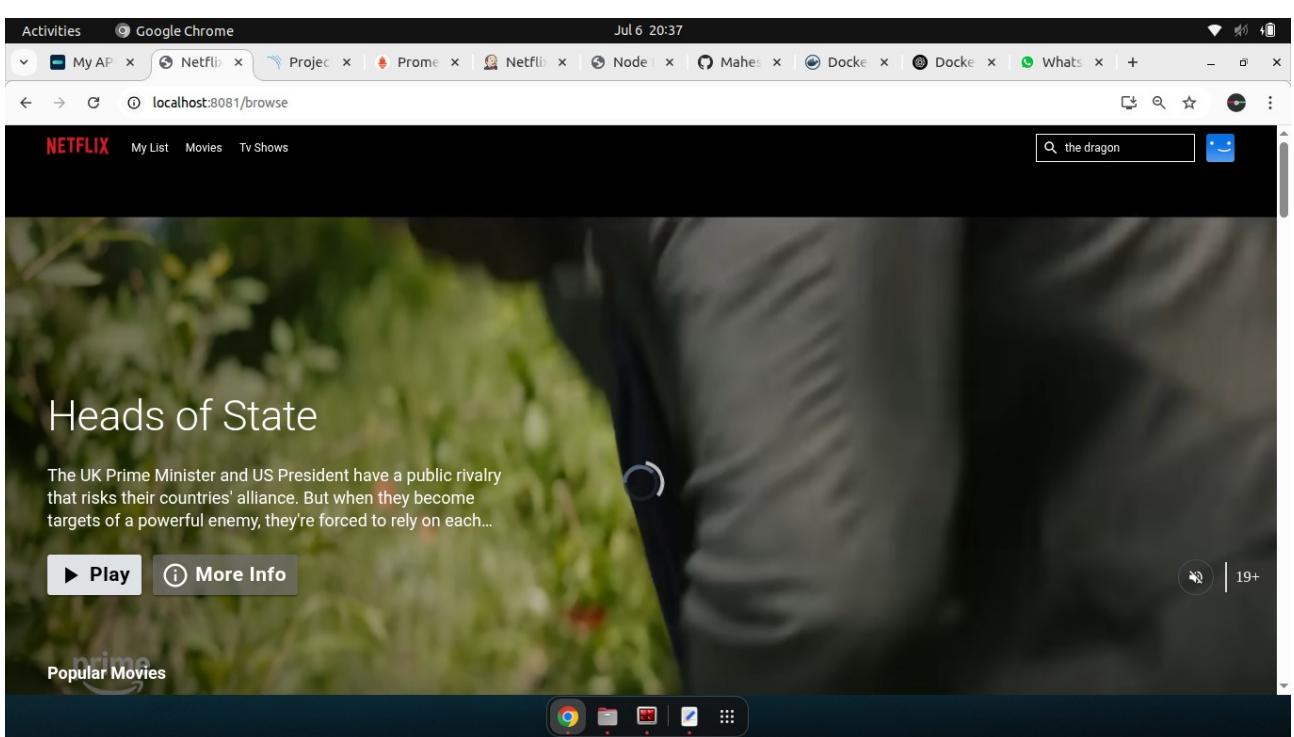
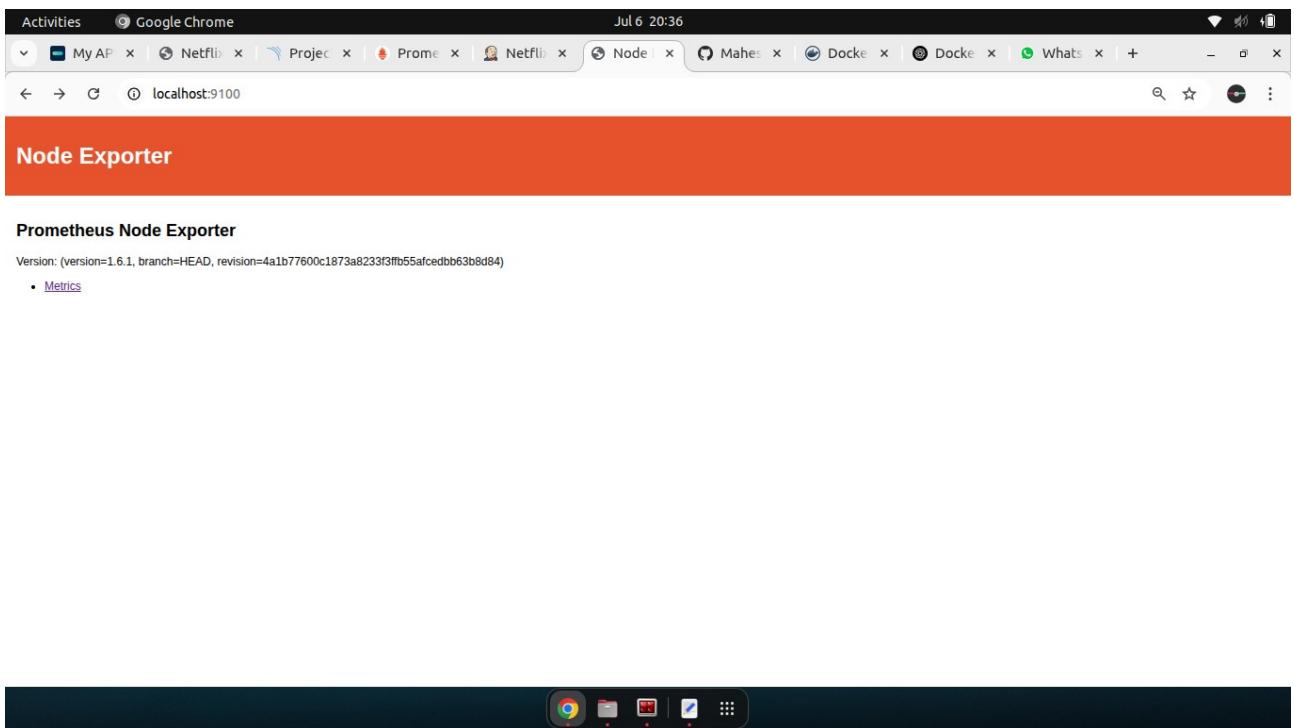
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=thermal_zone
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=timex
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=udp_queues
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=uname
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=vmstat
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=xfs
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=zfs
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.569Z caller=tls_config.go:274 level=info msg="Listening on" address=[::]:9100
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.570Z caller=tls_config.go:277 level=info msg="TLS is disabled." http2=false address=[::]:9100
lines 1-20/20 (END)
```

Activities Terminator Jul 6 20:31

```
dell@mahesh: ~/project/DevSecOps-Project$ sudo systemctl status node_exporter
● node exporter.service - Node Exporter
   Loaded: loaded (/etc/systemd/system/node_exporter.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2025-07-06 20:29:07 IST; 4s ago
     Main PID: 23869 (node_exporter)
        Tasks: 5 (limit: 14096)
       Memory: 2.8M
          CPU: 31ms
        CGroup: /system.slice/node_exporter.service
                └─23869 /usr/local/bin/node_exporter --collector.logind

Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=thermal_zone
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=time
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=timex
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=udp_queues
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=uname
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=vmstat
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=xfs
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.568Z caller=node_exporter.go:117 level=info collector=zfs
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.569Z caller=tls_config.go:274 level=info msg="Listening on" address=[::]:9100
Jul 06 20:29:07 mahesh node_exporter[23869]: ts=2025-07-06T14:59:07.570Z caller=tls_config.go:277 level=info msg="TLS is disabled." http2=false addre
dell@mahesh:~/project/DevSecOps-Project$ sudo usermod -aG docker jenkins
dell@mahesh:~/project/DevSecOps-Project$ sudo systemctl res
rescue    reset-failed restart
dell@mahesh:~/project/DevSecOps-Project$ sudo systemctl restart jenkins.service
```





Activities Google Chrome Jul 6 20:37

localhost:9000/projects

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

My Favorites All

Search by project name or key

1 project(s)

Perspective: Overall Status Sort by: Name

Quality Gate: Passed (1), Failed (0)

Reliability (Bug Rating): A rating (1), B rating (0), C rating (0), D rating (0), E rating (0)

Security (Vulnerability Rating): A rating (1), B rating (0), C rating (0), D rating (0), E rating (0)

Project: Netflix (Passed)

Last analysis: 26 minutes ago

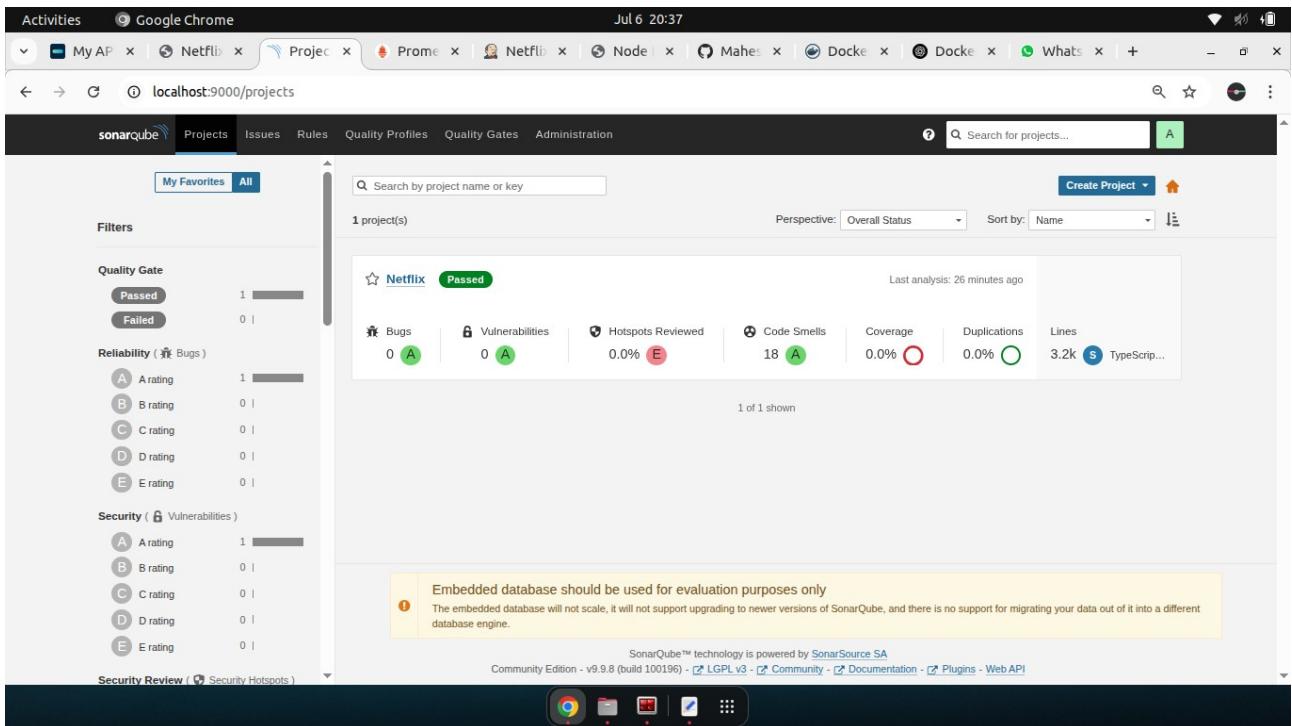
Bugs: 0 (A) | Vulnerabilities: 0 (A) | Hotspots Reviewed: 0.0% (E) | Code Smells: 18 (A) | Coverage: 0.0% (O) | Duplications: 0.0% (O) | Lines: 3.2k (S) TypeScript...

1 of 1 shown

Embedded database should be used for evaluation purposes only  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

SonarQube™ technology is powered by SonarSource SA  
Community Edition - v9.9.8 (build 100196) - [LGPL v3](#) - [Community](#) - [Documentation](#) - [Plugins](#) - [Web API](#)

Security Review | Security Hotspots



Activities Google Chrome Jul 6 20:37

localhost:9090/graph?g0.expr=&g0.tab=1&g0.stacked=0&g0.show\_exemplars=0&g0.range\_input=1h

Prometheus Alerts Graph Status Help

Use local time Enable query history Enable autocomplete Enable highlighting Enable linter

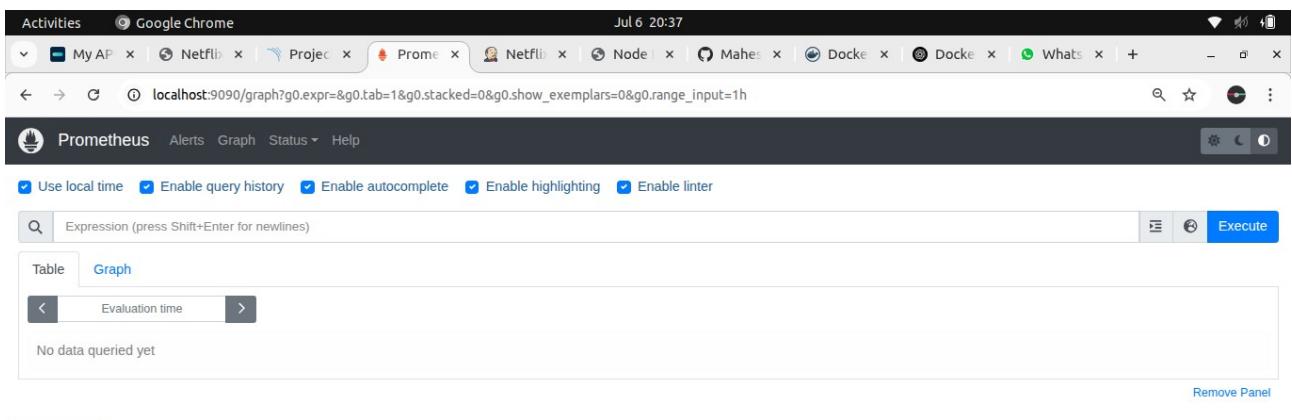
Expression (press Shift+Enter for newlines)

Table Graph

Evaluation time < >

No data queried yet

Add Panel Remove Panel



Activities Google Chrome Jul 6 20:37

localhost:8080/job/Netflix-Project/ Jenkins

Dashboard > Netflix-Project >

Status Netflix-Project Add description

</> Changes

Build Now

Configure

Delete Pipeline

Full Stage View

SonarQube

Stages

Rename

Pipeline Syntax

Stage View

Average stage times:

Declarative: Tool Install	clean workspace	Checkout from Git	Sonarqube Analysis	quality gate	Install Dependencies	OWASP FS SCAN
682ms	1s	8s	1min 13s	0ms	1min 5s	3min 49s
Jul 06 20:10	No Changes					
682ms	1s	8s	1min 13s	0ms (paused for 20min 27s)	1min 5s	3min 49s

SonarQube Quality Gate

Builds

Filter

Today

#2 20:10

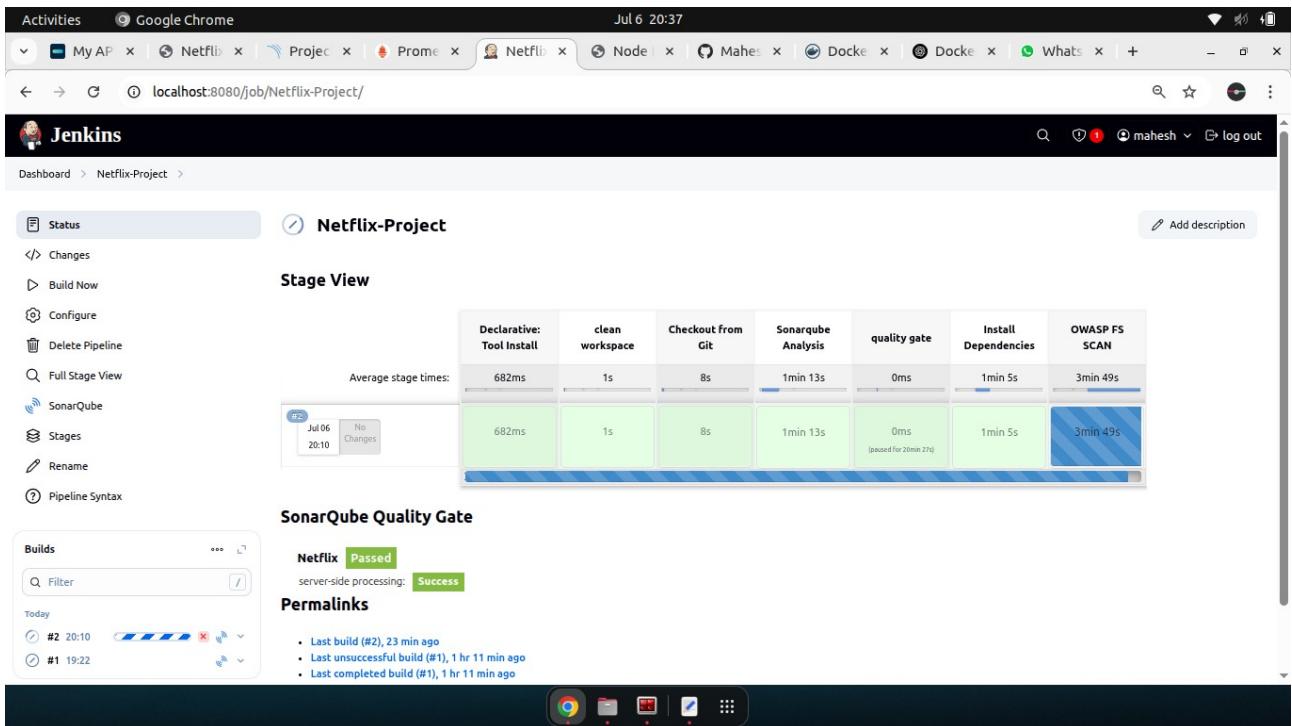
#1 19:22

Netflix Passed

server-side processing: Success

Permalinks

- Last build (#2), 23 min ago
- Last unsuccessful build (#1), 1 hr 11 min ago
- Last completed build (#1), 1 hr 11 min ago



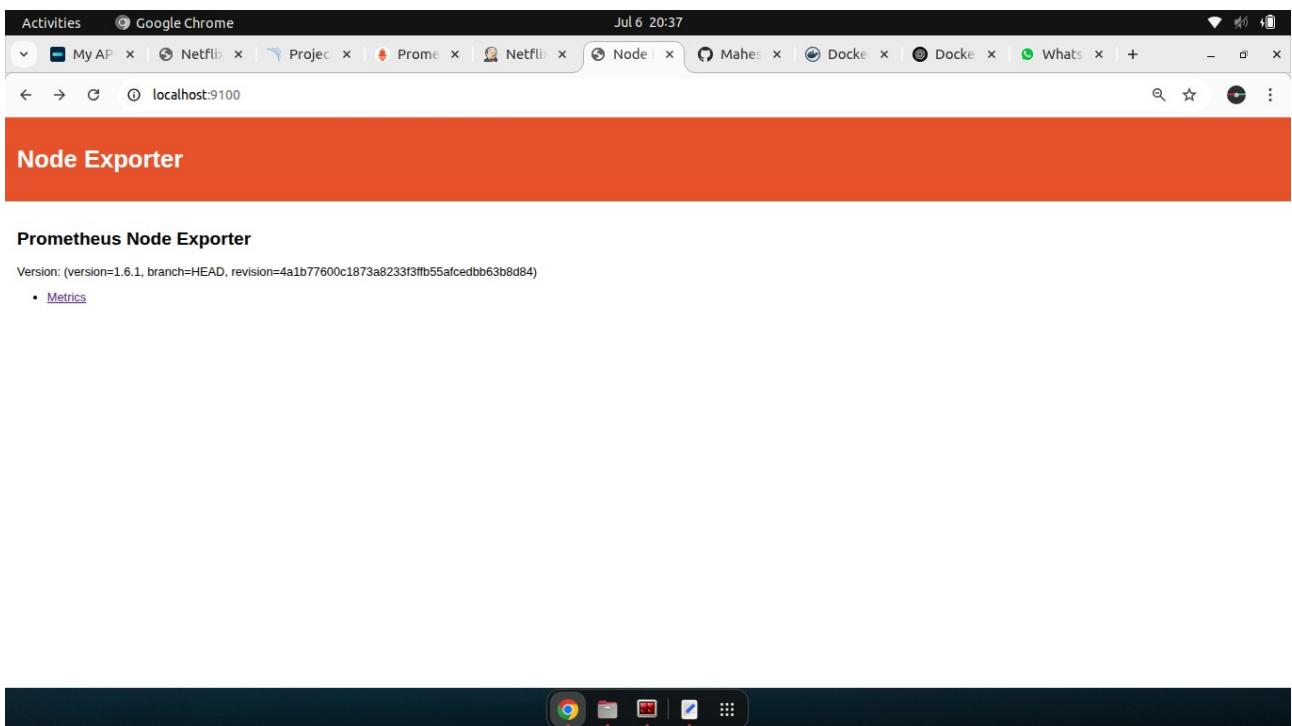
Activities Google Chrome Jul 6 20:37

localhost:9100 Node Exporter

Prometheus Node Exporter

Version: (version=1.6.1, branch=HEAD, revision=4a1b77600c1873a8233f3ffb55afcedbb63b8d84)

- [Metrics](#)



Activities Terminator Jul 6 20:43

```
dell@mahesh: /etc/prometheus
dell@mahesh: /etc/prometheus 150x31
dell@mahesh:/etc/prometheus$ promtool check config /etc/prometheus/prometheus.yml
Checking /etc/prometheus/prometheus.yml
SUCCESS: /etc/prometheus/prometheus.yml is valid prometheus config file syntax
dell@mahesh:/etc/prometheus$
```

Activities Google Chrome Jul 6 20:46

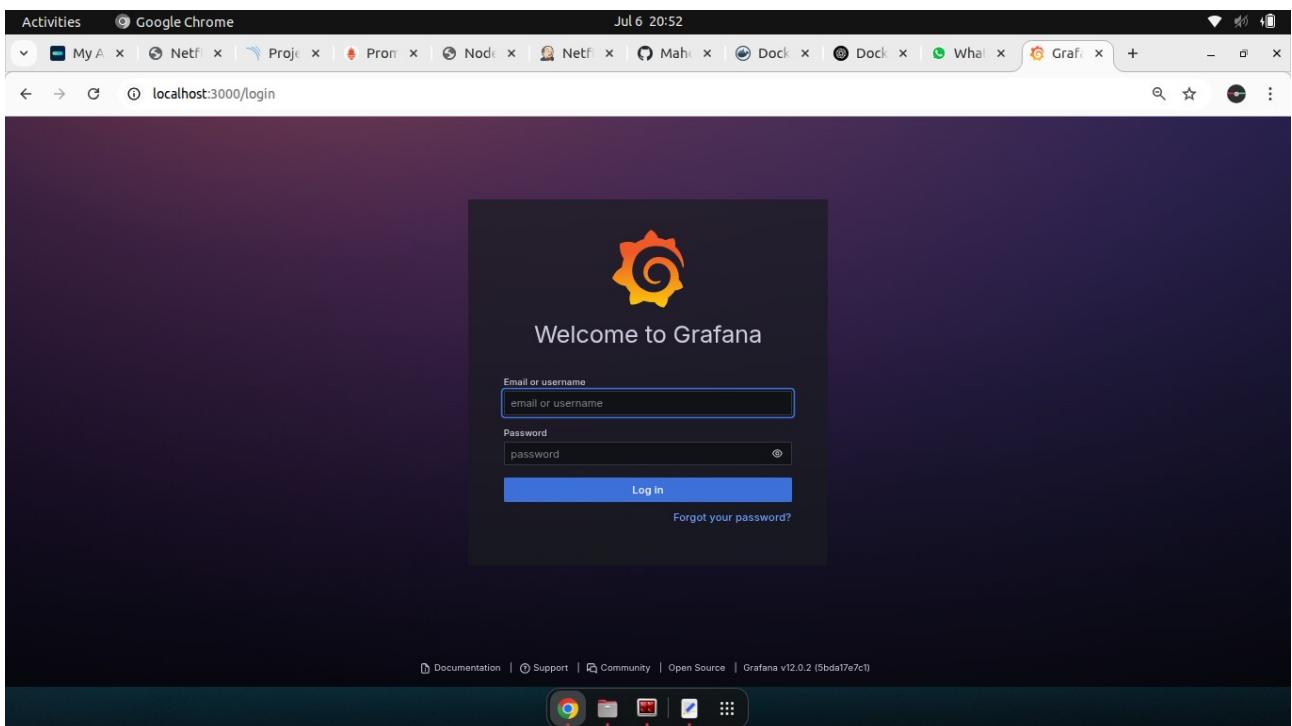
The screenshot shows the SonarQube interface for the Netflix project. The top navigation bar includes links for Projects, Issues, Rules, Quality Profiles, Quality Gates, Administration, and a search bar. A sidebar on the left contains filters for Quality Gate (Passed, Failed), Reliability (A-E rating), Security (A-E rating), and Security Review (≥ 80%, 70%-80%). The main content area displays the Netflix project status with a 'Passed' quality gate. It shows metrics for Bugs (0 A), Vulnerabilities (0 A), Hotspots Reviewed (0.0% E), Code Smells (18 A), Coverage (0.0% O), Duplications (0.0% G), and Lines (3.2k S TypeScript...). A note at the bottom states: "Embedded database should be used for evaluation purposes only. The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine." The footer provides SonarQube™ technology information and links to Community Edition, GPL v3, Documentation, Plugins, and Web API.

Activities Terminator Jul 6 20:52

```
dell@mahesh:/etc/prometheus
dell@mahesh:/etc/prometheus 150x31

dell@mahesh:/etc/prometheus$ sudo systemctl status grafana-server
● grafana-server.service - Grafana instance
   Loaded: loaded (/lib/systemd/system/grafana-server.service; enabled; vendor preset: enabled)
     Active: active (running) since Sun 2025-07-06 20:51:53 IST; 19s ago
       Docs: http://docs.grafana.org
      Main PID: 27322 (grafana)
        Tasks: 19 (limit: 14096)
       Memory: 119.2M
          CPU: 13.700s
         CGroup: /system.slice/grafana-server.service
             └─27322 /usr/share/grafana/bin/grafana server --config=/etc/grafana/grafana.ini --pidfile=/run/grafana/grafana-server.pid --packaging=deb

Jul 06 20:52:08 mahesh grafana[27322]: logger=installer.fs t=2025-07-06T20:52:08.210189+05:30 level=info msg="Downloaded and extracted grafana-metrics"
Jul 06 20:52:08 mahesh grafana[27322]: logger=plugins.registration t=2025-07-06T20:52:08.317751538+05:30 level=info msg="Plugin registered" pluginId=grafana
Jul 06 20:52:08 mahesh grafana[27322]: logger=plugin.backgroundinstaller t=2025-07-06T20:52:08.317833976+05:30 level=info msg="Plugin successfully installed" pluginId=grafana
Jul 06 20:52:08 mahesh grafana[27322]: logger=plugin.backgroundinstaller t=2025-07-06T20:52:08.317907307+05:30 level=info msg="Installing plugin" pluginId=grafana
Jul 06 20:52:10 mahesh grafana[27322]: logger=plugin.installer t=2025-07-06T20:52:10.985417735+05:30 level=info msg="Installing plugin" pluginId=grafana
Jul 06 20:52:11 mahesh grafana[27322]: logger=installer.fs t=2025-07-06T20:52:11.4990211+05:30 level=info msg="Downloaded and extracted grafana-loki"
Jul 06 20:52:11 mahesh grafana[27322]: logger=plugins.registration t=2025-07-06T20:52:11.66000167+05:30 level=info msg="Plugin registered" pluginId=grafana
Jul 06 20:52:11 mahesh grafana[27322]: logger=plugin.backgroundinstaller t=2025-07-06T20:52:11.660068993+05:30 level=info msg="Plugin successfully installed" pluginId=g
Jul 06 20:52:11 mahesh grafana[27322]: logger=plugin.backgroundinstaller t=2025-07-06T20:52:11.660114251+05:30 level=info msg="Installing plugin" pluginId=grafana
Jul 06 20:52:12 mahesh grafana[27322]: logger=plugin.installer t=2025-07-06T20:52:12.907386136+05:30 level=info msg="Installing plugin" pluginId=grafana
lines 1-21/21 (END)
```



Activities Google Chrome Jul 6 20:53

localhost:3000/?orgId=1&from=now-6h&to=now&timezone=browser

The screenshot shows the Grafana home dashboard. On the left, a sidebar contains links for Home, Bookmarks, Starred, Dashboards, Explore, Drilldown, Alerting, Connections, and Administration. The main content area features a "Welcome to Grafana" header and a "Basic" section with a "TUTORIAL" card about "DATA SOURCE AND DASHBOARDS" and "Grafana fundamentals". It also includes "DATA SOURCES" and "DASHBOARDS" cards. Below this, there are sections for "Dashboards" (Starred dashboards and Recently viewed dashboards) and "Latest from the blog" (an article about InfluxDB 3 Core). A search bar at the top right includes a "ctrl+k" keyboard shortcut.

Activities Google Chrome Jul 7 16:48

localhost:8080/job/Netflix-Project/

The screenshot shows the Jenkins pipeline stage view for the "Netflix-Project". The left sidebar lists pipeline management options like Status, Changes, Build Now, Configure, Delete Pipeline, Full Stage View, SonarQube, Stages, Rename, and Pipeline Syntax. The main area displays the "Stage View" with a grid of stages: Declarative: Tool Install, Clean Workspace, Checkout from Git, SonarQube Analysis, Quality Gate, Install Dependencies, OWASP FS Scan, Trivy FS Scan, Docker Build & Push, Trivy Image Scan, and Deploy to Container. Each stage has a color-coded status bar indicating its progress. A "Dependency-Check Trend" chart is shown above the stages. The "SonarQube Quality Gate" section at the bottom shows a green "Passed" status. The browser toolbar at the bottom includes icons for back, forward, search, and refresh.

Activities Google Chrome Jul 7 16:48

localhost:8080/job/Netflix-Project/

Dashboard > Netflix-Project >

Stages Stage View

Pipeline Syntax

Builds

Average stage times: (full run time: ~21min 58s)

Declarative: Tool Install	Clean Workspace	Checkout from Git	SonarQube Analysis	Quality Gate	Install Dependencies	OWASP FS Scan	Trivy FS Scan	Docker Build & Push	Trivy Image Scan	Deploy to Container
547ms	1s	11s	1min 29s	0ms	1min 2s	13min 55s	36s	2min 20s	3s	1s
Jul 07 16:25 #7 16:25 No Changes	585ms	1s	1min 21s (passed for 2min 38s)	0ms	59s	13min 36s	43s	2min 11s	6s	2s
Jul 07 14:28 #6 14:28 No Changes	509ms	1s	1min 37s	0ms (passed for 3min 56s)	1min 5s	14min 13s	28s	2min 29s failed	349ms failed	178ms failed

SonarQube Quality Gate

Netflix Passed  
server-side processing: Success

Latest Dependency-Check

Permalinks

- Last build (#7), 22 min ago
- Last stable build (#7), 22 min ago
- Last successful build (#7), 22 min ago
- Last failed build (#6), 2 hr 19 min ago
- Last unsuccessful build (#6), 2 hr 19 min ago
- Last completed build (#7), 22 min ago

REST API Jenkins 2.504.3

This screenshot shows a Jenkins pipeline stage view for the 'Netflix-Project'. It displays the execution of various stages: Declarative: Tool Install, Clean Workspace, Checkout from Git, SonarQube Analysis, Quality Gate, Install Dependencies, OWASP FS Scan, Trivy FS Scan, Docker Build & Push, Trivy Image Scan, and Deploy to Container. The 'Quality Gate' stage is highlighted with a green box and labeled 'Success'. Below the stage view, the SonarQube Quality Gate section shows the Netflix project has passed with a green 'Passed' status and 'Success' for server-side processing. A list of recent builds is also provided.

Activities Google Chrome Jul 7 16:48

localhost:9000/dashboard?id=Netflix

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

Netflix main Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

July 7, 2025 at 4:26 PM Version not provided

**Passed**  
All conditions passed.

New Code Since July 6, 2025 Started 21 hours ago

Overall Code

0 Bugs	Reliability A		
0 Vulnerabilities	Security A		
4 Security Hotspots	0.0% Reviewed	Security Review E	
1h 43min Debt	18 Code Smells	Maintainability A	
0.0% Coverage on 421 Lines to cover	- Unit Tests	0 Duplications on 3.2K Lines	0 Duplicated Blocks

This screenshot shows the SonarQube dashboard for the Netflix project. The dashboard provides an overview of the code quality, including New Code (since July 6, 2025) and Overall Code metrics. Key metrics displayed include 0 bugs, 0 vulnerabilities, 4 security hotspots (0.0% reviewed), 1h 43min debt, 18 code smells, and maintainability at level A. Coverage is shown as 0.0% on 421 lines, with 0 unit tests, 0 duplications on 3.2K lines, and 0 duplicated blocks.

Activities Google Chrome Jul 7 16:49

localhost:9000/dashboard?id=Netflix

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

Netflix main

Overview Issues Security Hotspots Measures Code Activity

**Passed**  
All conditions passed.

New Code Since July 6, 2025 Started 21 hours ago Overall Code

0 New Bugs Reliability A

0 New Vulnerabilities Security A

0 New Security Hotspots Reviewed Security Review A

0 Added Debt 0 New Code Smells Maintainability A

Coverage on 0 New Lines to cover Duplications on 0 New Lines

ACTIVITY

This screenshot shows the SonarQube dashboard for the Netflix project. The top navigation bar includes links for Activities, Google Chrome, and various other projects like My API, Docker, Node.js, Prometheus, and Netflix. The main content area displays a large green box indicating a 'Passed' status with the message 'All conditions passed.' Below this, there's a summary card for 'New Code' from July 6, 2025, which has been running for 21 hours. The dashboard then lists several metrics: 'New Bugs' (0), 'Reliability' (A), 'New Vulnerabilities' (0), 'Security' (A), 'New Security Hotspots' (0), 'Reviewed' (Reviewed), 'Added Debt' (0), 'New Code Smells' (0), 'Maintainability' (A), 'Coverage' (0 New Lines to cover), and 'Duplications' (0 New Lines). At the bottom, there's a dark bar with icons for a browser, file, and other applications.

Activities Google Chrome Jul 7 16:50

localhost:9000/dashboard?id=Netflix

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

Netflix main

Overview Issues Security Hotspots Measures Code Activity

**QUALITY GATE STATUS** Passed All conditions passed.

MEASURES

New Code Since July 6, 2025 Started 21 hours ago Overall Code

0 New Bugs Reliability A

0 New Vulnerabilities Security A

0 New Security Hotspots Reviewed Security Review A

0 Added Debt 0 New Code Smells Maintainability A

Coverage on 0 New Lines to cover Duplications on 0 New Lines

This screenshot is nearly identical to the first one, showing the SonarQube dashboard for the Netflix project. The main difference is the timestamp at the top, which is now Jul 7 16:50. The dashboard continues to show a green 'Passed' status with 'All conditions passed.' The 'New Code' summary and all listed metrics (New Bugs, Reliability, New Vulnerabilities, Security, New Security Hotspots, Security Review, Added Debt, New Code Smells, Maintainability, Coverage, and Duplications) remain the same as in the first screenshot. The bottom dark bar with application icons is also present.

Activities Google Chrome Jul 7 16:50

localhost:9000/quality\_gates/show/AZff1MemQ9sXhEYmvCKi

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

Quality Gates Create Sonar way BUILT-IN Copy

Sonar way DEFAULT BUILT-IN

This quality gate complies with Clean as You Code

This quality gate complies with the [Clean as You Code](#) methodology, so that you benefit from the most efficient approach to delivering Clean Code.

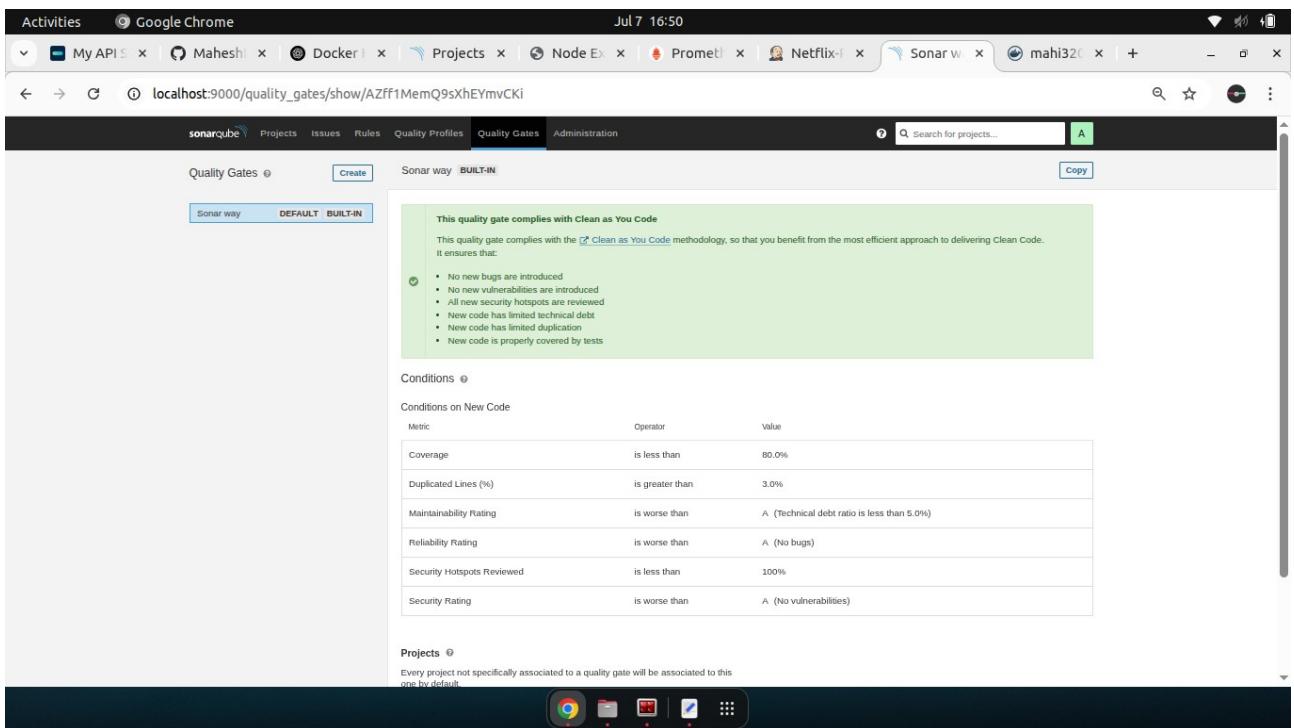
It ensures that:

- No new bugs are introduced
- No new vulnerabilities are introduced
- All new security hotspots are reviewed
- New code has limited technical debt
- New code has limited duplication
- New code is properly covered by tests

Conditions Conditions on New Code

Metric	Operator	Value
Coverage	is less than	80.0%
Duplicated Lines (%)	is greater than	3.0%
Maintainability Rating	is worse than	A (Technical debt ratio is less than 5.0%)
Reliability Rating	is worse than	A (No bugs)
Security Hotspots Reviewed	is less than	100%
Security Rating	is worse than	A (No vulnerabilities)

Projects Every project not specifically associated to a quality gate will be associated to this one by default.



Activities Google Chrome Jul 7 16:50

localhost:9000/projects

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration Search for projects... A

My Favorites All

Filters

Quality Gate Passed 1 | Failed 0 |

Reliability ( Bugs ) A rating 1 | B rating 0 | C rating 0 | D rating 0 | E rating 0 |

Security ( Vulnerabilities ) A rating 1 | B rating 0 | C rating 0 | D rating 0 | E rating 0 |

Security Review ( Security Hotspots ) A ≥ 80% 0 | B 70% - 80% 0 | C 50% - 70% 0 | D 30% - 50% 0 |

1 project(s) Perspective: Overall Status Sort by: Name

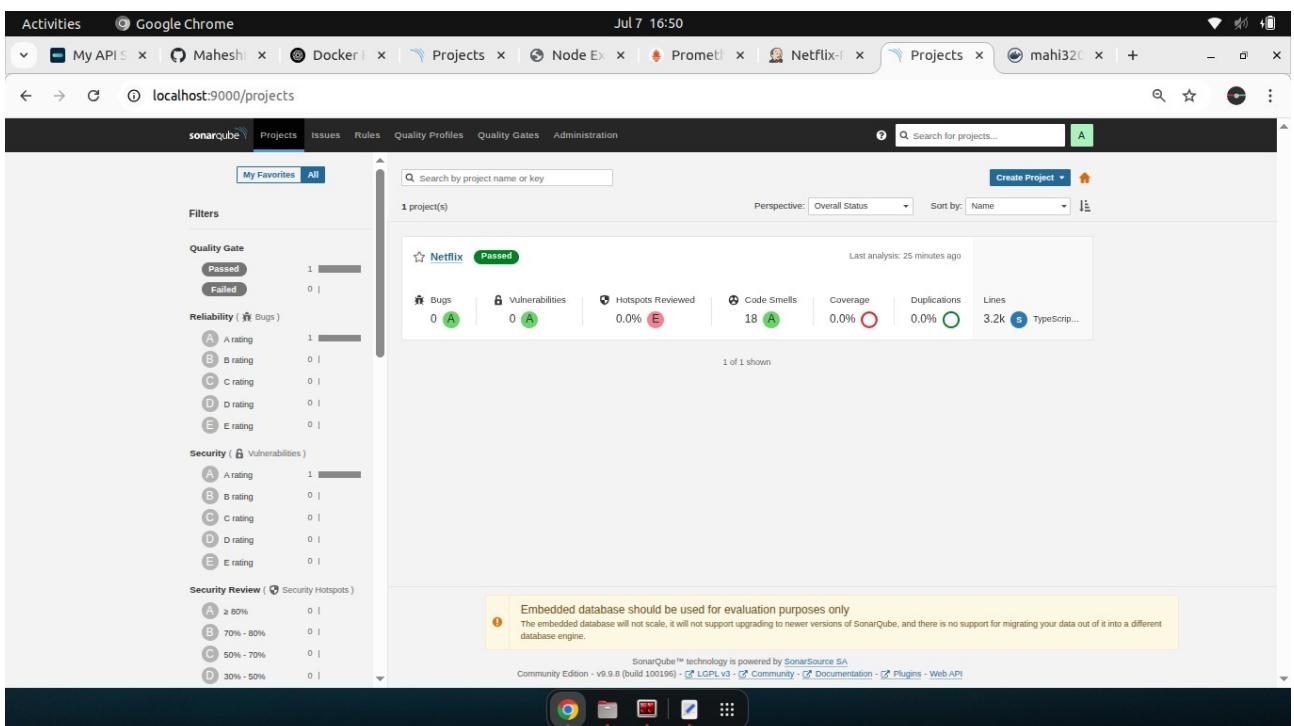
Netflix Passed Last analysis: 25 minutes ago

Bugs 0 A Vulnerabilities 0 A Hotspots Reviewed 0.0% E Code Smells 18 A Coverage 0.0% Duplications 0.0% Lines 3.2k S TypeScript...

1 of 1 shown

Embedded database should be used for evaluation purposes only  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

SonarQube™ technology is powered by SonarSource SA  
Community Edition - v9.9.8 (build 102196) - [LGPL v3](#) - [Community](#) - [Documentation](#) - [Plugins](#) - [Web API](#)



Activities Google Chrome Jul 7 16:51

localhost:8080/job/Netflix-Project/ Jenkins

Status Netflix-Project Add description

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

Builds Builds Average stage times: (full run time: ~21min 58s)

Jul 07 16:25 #7 No Changes 585ms 1s 9s 1min 21s 0ms 59s 13min 36s 43s 2min 11s 6s 2s

#6 Jul 07 14:28 #6 No Changes 509ms 1s 13s 1min 37s 0ms 1min 5s 14min 13s 28s 2min 29s failed 349ms failed 178ms failed

Stage View

	Declarative: Tool Install	Clean Workspace	Checkout from Git	SonarQube Analysis	Quality Gate	Install Dependencies	OWASP FS Scan	Trivy FS Scan	Docker Build & Push	Trivy Image Scan	Deploy to Container
Average stage times: (full run time: ~21min 58s)	547ms	1s	11s	1min 29s	0ms	1min 2s	13min 55s	36s	2min 20s	3s	1s
Jul 07 16:25 #7 No Changes	585ms	1s	9s	1min 21s	0ms	59s	13min 36s	43s	2min 11s	6s	2s
#6 Jul 07 14:28 #6 No Changes	509ms	1s	13s	1min 37s	0ms	1min 5s	14min 13s	28s	2min 29s failed	349ms failed	178ms failed

Dependency-Check Trend

Unassigned Low Medium High Critical

Add description

Activities Google Chrome Jul 7 16:52

hub.docker.com/u/mahi320 Jenkins

docker hub Explore My Hub Search Docker Hub CtrlK

mahi320 Edit profile Community User

Repositories Starred

Search by repository name Displaying 1 to 3 of 3 repositories

IMAGE mahi320/netflix mahi320	IMAGE mahi320/mahesh-banking-app-cicd mahi320	IMAGE mahi320/sam mahi320
Pulls 0 Stars 0 Last Updated 5 minutes	Pulls 14 Stars 0 Last Updated over 1 year	Pulls 3 Stars 0 Last Updated almost 2 years

How likely are you to recommend Docker Hub to another developer?

Not at all likely 0 1 2 3 4 5 6 7 8 9 10 Extremely likely

powered by inMoment

Activities Google Chrome Jul 7 16:53

My API S x Maheshi x Docker x Projects x Node Ex x Prometheus x Netflix- x Projects x mahi320 x + - □ ×

hub.docker.com/r/mahi320/netflix

Overview Tags

No overview available  
This repository doesn't have an overview

Tag summary

Recent tag: latest

Content type: Image

Digest: sha256:28a3b7708...

Size: 27.9 MB

Last updated: 5 minutes ago

docker pull mahi320/netflix

How likely are you to recommend Docker Hub to another developer?

Not at all likely 0 1 2 3 4 5 6 7 8 9 10 Extremely likely

powered by inMoment

Activities Google Chrome Jul 7 16:54

My API S x Maheshi x Docker x Projects x Node Ex x Prometheus x Depend x Projects x mahi320 x + - □ ×

localhost:8080/job/Netflix-Project/7/dependency-check-findings/

Jenkins

Dashboard > Netflix-Project > #7 > Dependency-Check

Dependency-Check Results

SEVERITY DISTRIBUTION

Severity	Count
Low	3
Medium	10
High	2
Critical	0

File Name Vulnerability Severity Weakness

brace-expansion@1.1.11	OSSINDEX CVE-2025-5889	Medium	CWE-1333
nanoid@3.3.4	OSSINDEX CVE-2024-55565	Medium	CWE-835
postcss@8.4.18	NVD CVE-2023-44270	Medium	CWE-74
rollup@2.79.1	NVD CVE-2024-47068	Medium	CWE-79
vite@3.2.2	OSSINDEX CVE-2024-45811	High	CWE-200
vite@3.2.2	NVD CVE-2023-34092	High	CWE-50
vite@3.2.2	NVD CVE-2024-23331	High	CWE-284
vite@3.2.2	OSSINDEX CVE-2025-32395	Medium	CWE-200
vite@3.2.2	OSSINDEX CVE-2025-46565	Medium	CWE-22
vite@3.2.2	OSSINDEX CVE-2024-31207	Medium	CWE-200

Activities Google Chrome Jul 7 17:09

localhost:8080

## Jenkins

Dashboard >

+ New Item All +

Build History Manage Jenkins My Views

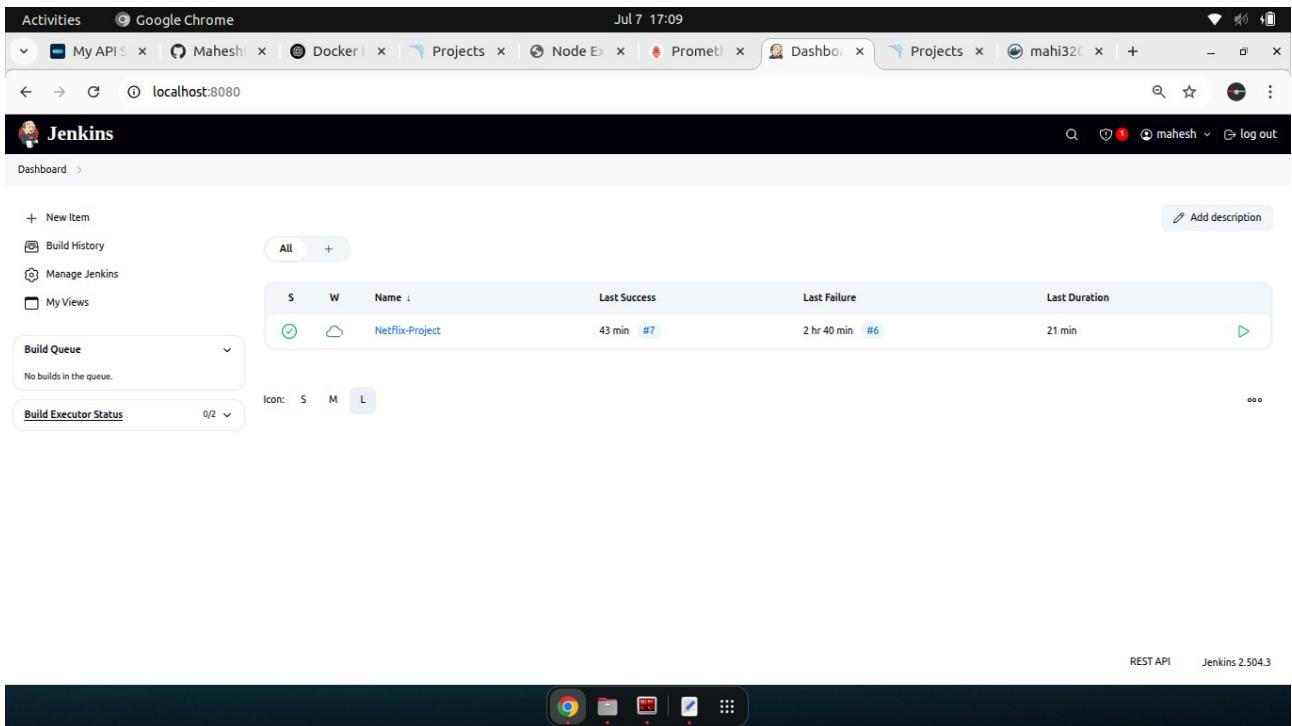
Build Queue: No builds in the queue.

Build Executor Status: 0/2

S	W	Name	Last Success	Last Failure	Last Duration
Green	Cloud	Netflix-Project	43 min #7	2 hr 40 min #6	21 min

Add description

REST API Jenkins 2.504.3



Activities Google Chrome Jul 7 17:14

localhost:3000/?orgId=1&from=now-6h&to=now&timezone=browser

## Welcome to Grafana

Need help? Documentation Tutorials Community Public Slack

Basic: The steps below will guide you to quickly finish setting up your Grafana installation.

TUTORIAL: DATA SOURCE AND DASHBOARDS  
Grafana fundamentals: Set up and understand Grafana if you have no prior experience. This tutorial guides you through the entire process and covers the "Data source" and "Dashboards" steps to the right.

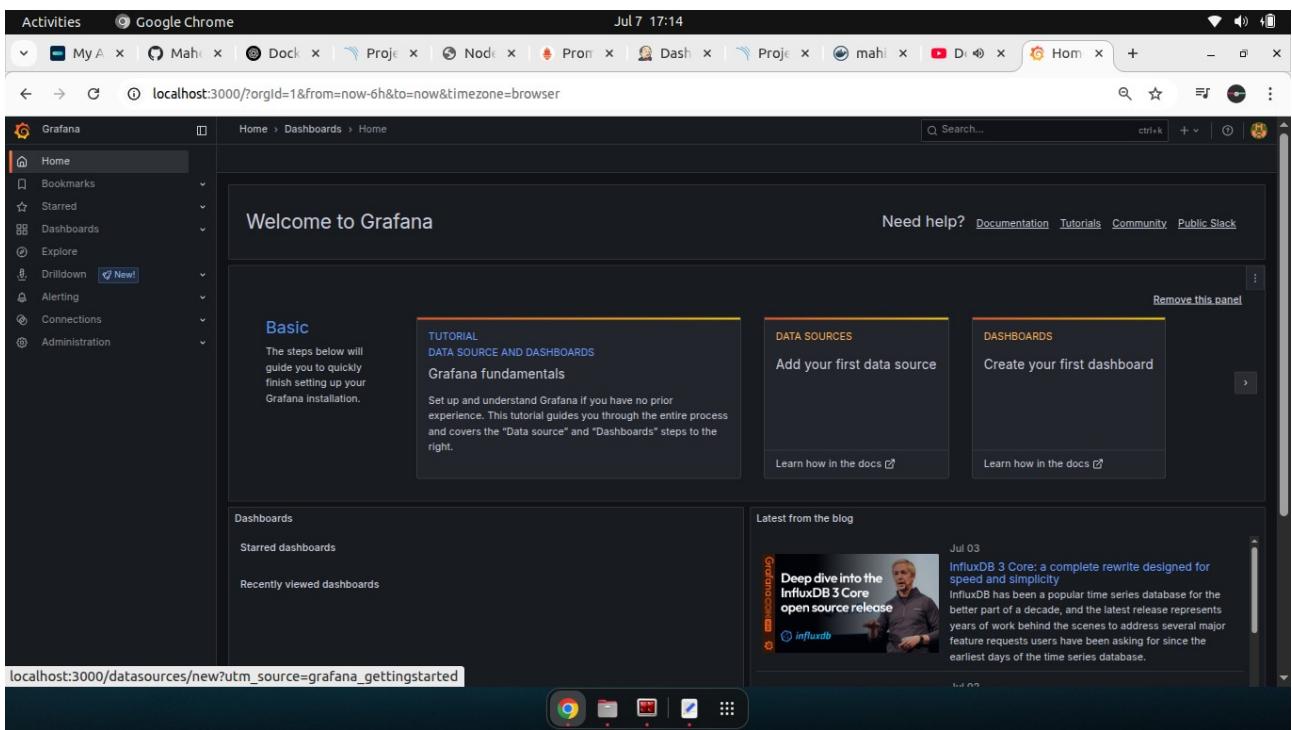
DATA SOURCES: Add your first data source

DASHBOARDS: Create your first dashboard

Dashboards: Starred dashboards Recently viewed dashboards

Latest from the blog: Jul 03 Deep dive into the InfluxDB 3 Core: a complete rewrite designed for speed and simplicity InfluxDB has been a popular time series database for the better part of a decade, and the latest release represents years of work behind the scenes to address several major feature requests users have been asking for since the earliest days of the time series database.

localhost:3000/datasources/new?utm\_source=grafana\_gettingstarted



Activities Google Chrome Jul 7 17:14

localhost:3000/connections/datasources/new

Grafana Home > Connections > Data sources > Add data source

Add data source

Choose a data source type

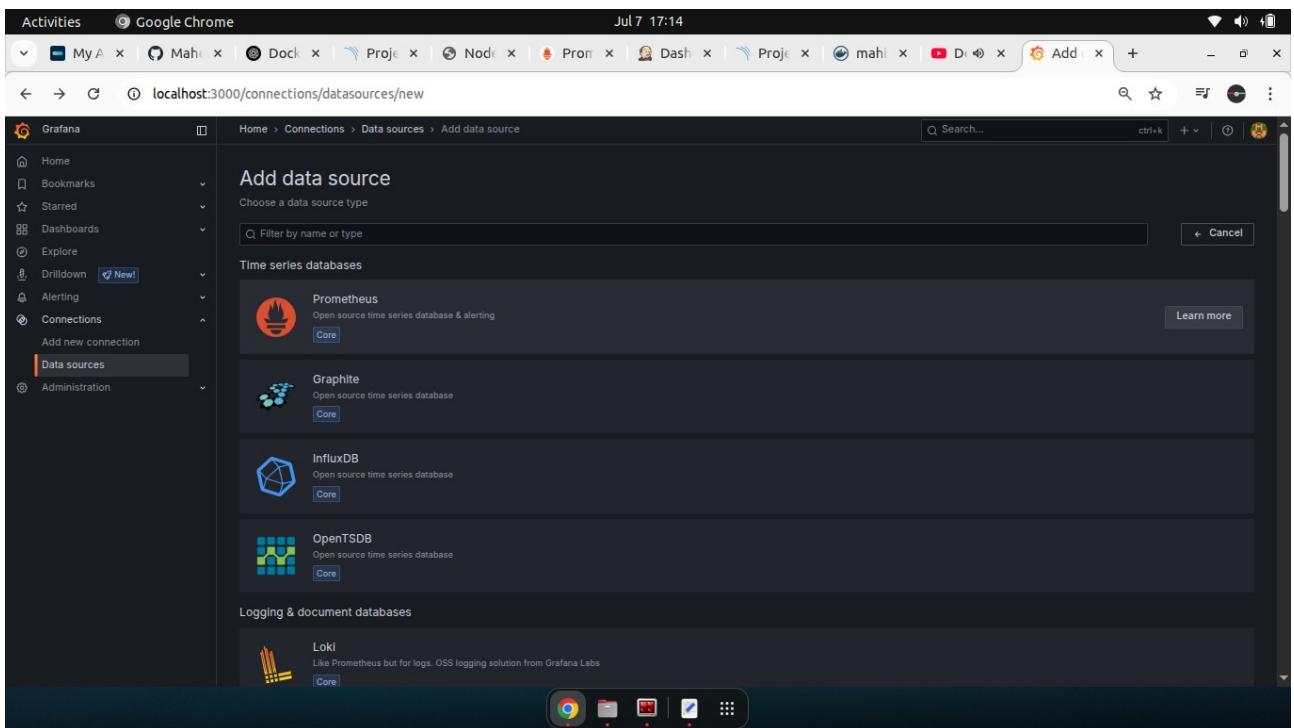
Filter by name or type

Time series databases

- Prometheus Open source time series database & alerting Core Learn more
- Graphite Open source time series database Core
- InfluxDB Open source time series database Core
- OpenTSDB Open source time series database Core

Logging & document databases

- Loki Like Prometheus but for logs. OSS logging solution from Grafana Labs Core



Activities Google Chrome Jul 7 17:15

localhost:3000/connections/datasources/edit/eer7k7cyi5ngga

Grafana Home > Connections > Data sources > prometheus-1

**prometheus-1**

Type: Prometheus

Alerting Supported

Explore data Build a dashboard

Settings Dashboards

Configure your Prometheus data source below  
Or skip the effort and get Prometheus (and Loki) as fully-managed, scalable, and hosted data sources from Grafana Labs with the free-forever Grafana Cloud plan.

Name: prometheus-1 Default

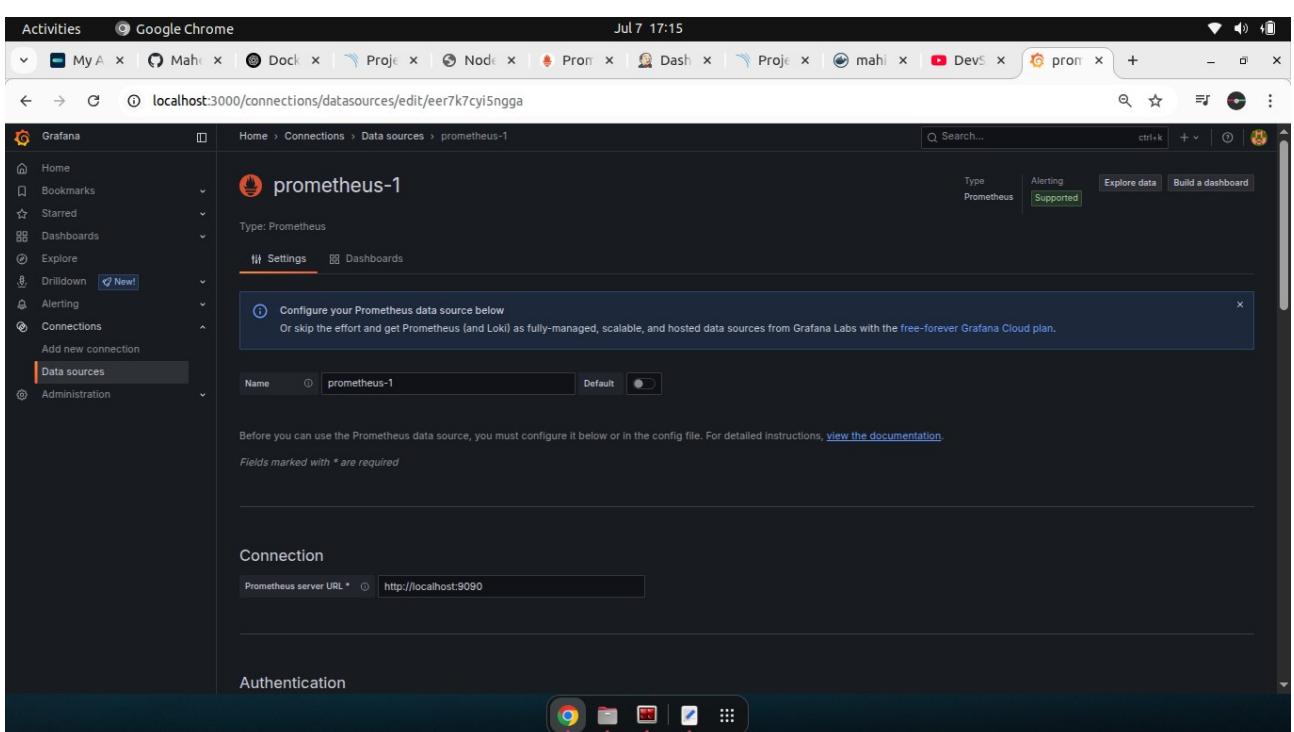
Before you can use the Prometheus data source, you must configure it below or in the config file. For detailed instructions, [view the documentation](#).

Fields marked with \* are required

Connection

Prometheus server URL\*: http://localhost:9090

Authentication



Activities Google Chrome Jul 7 17:17

localhost:3000/dashboards

Grafana Home Dashboards

Search for dashboards and folders Filter by tag Started

New dashboard New folder Import

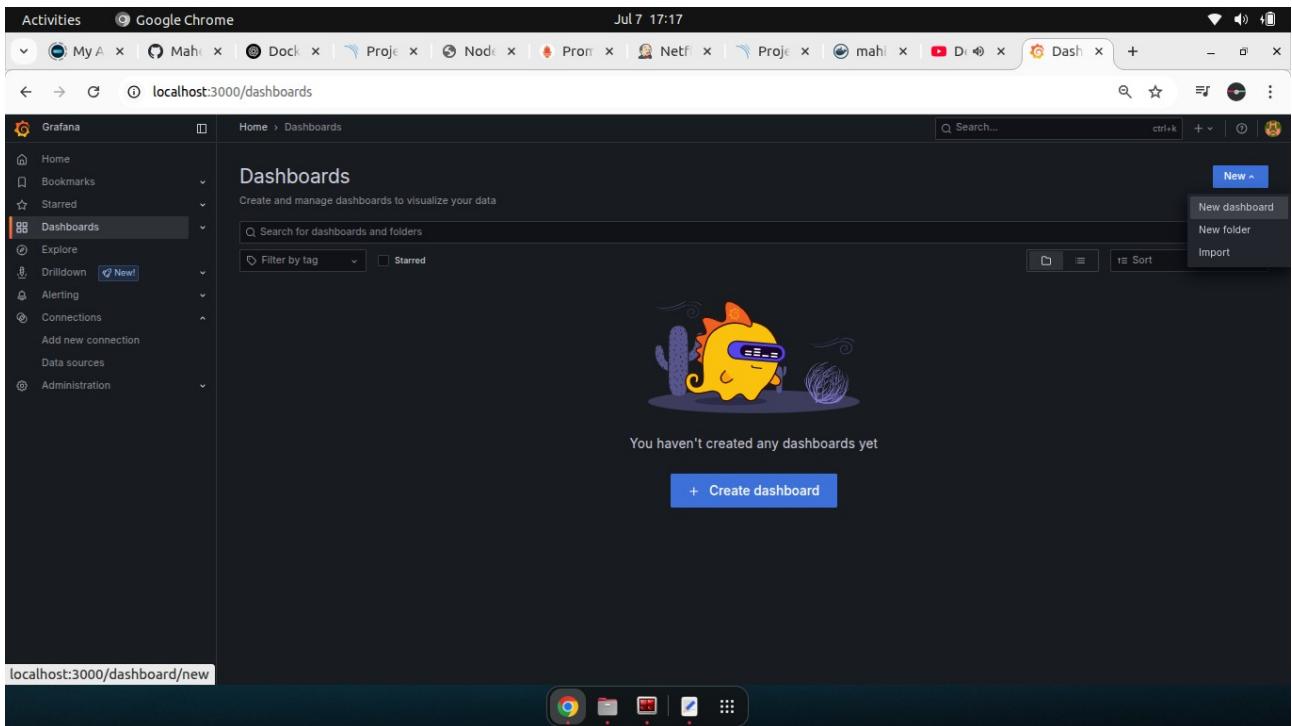
Dashboard

Create and manage dashboards to visualize your data

You haven't created any dashboards yet

+ Create dashboard

localhost:3000/dashboard/new



This screenshot shows the Grafana interface for creating a new dashboard. The left sidebar is dark-themed and includes options like Home, Bookmarks, Starred, Dashboards (which is selected), Explore, Drilldown, Alerting, Connections, Data sources, and Administration. The main area has a search bar and a 'New' button. A central illustration of a yellow cartoon character with a blue headband and a small cactus is displayed. Below it, a message says 'You haven't created any dashboards yet'. At the bottom is a large blue 'Create dashboard' button.

Activities Google Chrome Jul 7 17:18

localhost:3000/dashboard/import

Grafana Home Dashboards Import dashboard

Import dashboard from file or Grafana.com

Importing dashboard from Grafana.com

Published by rfmoz Updated on 2025-06-13 01:36:17

Options

Name Node Exporter Full

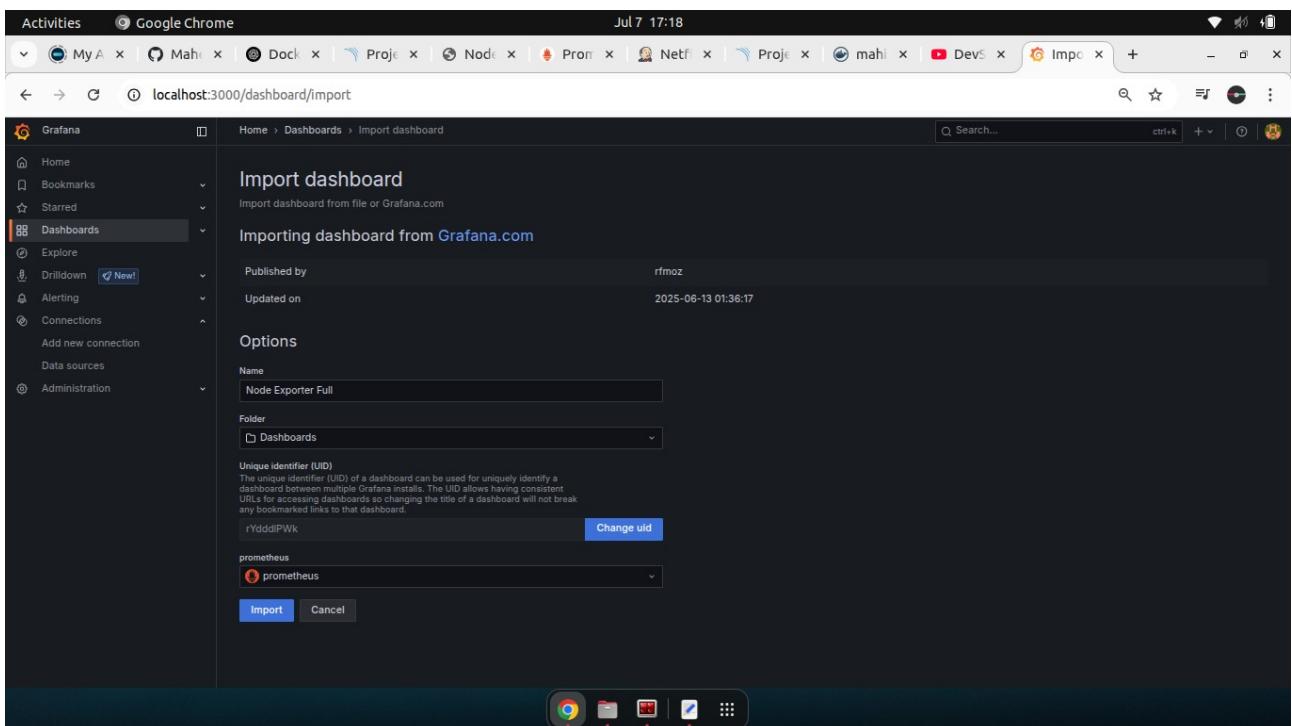
Folder Dashboards

Unique identifier (UID)  
The unique identifier (UID) of a dashboard can be used for uniquely identify a dashboard across multiple Grafana instances. The UID allows having consistent URLs for accessing dashboards so changing the title of a dashboard will not break any bookmarked links to that dashboard.

rYddlIPWk Change uid

prometheus

Import Cancel



This screenshot shows the Grafana interface for importing a dashboard from Grafana.com. The left sidebar is identical to the previous screenshot. The main area shows a 'Import dashboard' section with a message 'Importing dashboard from Grafana.com' and details about the source (rfmoz, updated 2025-06-13 01:36:17). It includes fields for 'Name' (Node Exporter Full) and 'Folder' (Dashboards). Below these are sections for 'Unique identifier (UID)' and a dropdown menu showing 'prometheus'. At the bottom are 'Import' and 'Cancel' buttons.

Activities Google Chrome Jul 7 17:19

localhost:8080/manage/pluginManager/available

## Jenkins

Dashboard > Manage Jenkins > Plugins

**Plugins**

Updates Available plugins (selected) Installed plugins Advanced settings

Install Search: prometheus

Install	Name	Released
<input checked="" type="checkbox"/>	Prometheus metrics 819.v50953a_c560dd monitoring Miscellaneous	4 mo 18 days ago
<input type="checkbox"/>	Otel agent host metrics monitoring 1.4.1 monitoring observability	3 mo 6 days ago
<input type="checkbox"/>	Cortex Metrics 1.0.1 Adds the ability to publish run results to Cortex directly using the Prometheus push endpoint.	4 yr 4 mo ago

REST API Jenkins 2.504.3



Activities Google Chrome Jul 7 17:20

localhost:8080/manage/pluginManager/updates/

## Jenkins

Dashboard > Manage Jenkins > Plugins

**Plugins** **Download progress**

Updates Available plugins Installed plugins Advanced settings Download progress (selected)

Preparation • Checking internet connectivity  
• Checking update center connectivity  
• Success

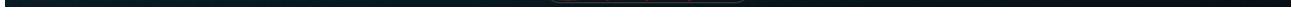
Prometheus metrics ⓘ prometheus plugin doesn't support dynamic loading. Jenkins needs to be restarted for the update to take effect.

Loading plugin extensions ⚡ Success

→ Go back to the top page  
(you can start using the installed plugins right away)

→  Restart Jenkins when installation is complete and no jobs are running

REST API Jenkins 2.504.3



```
# HELP jvm_threads_current Current thread count of a JVM
# TYPE jvm_threads_current gauge
jvm_threads_current{44,0} 34.0
# HELP jvm_threads_daemon Daemon thread count of a JVM
# TYPE jvm_threads_daemon gauge
jvm_threads_daemon{44,0} 1.0
# HELP jvm_threads_peak Peak thread count of a JVM
# TYPE jvm_threads_peak gauge
jvm_threads_peak{44,0} 41.0
# HELP jvm_threads_started_total Started thread count of a JVM
# TYPE jvm_threads_started_total counter
jvm_threads_started_total{44,0} 69.0
# HELP jvm_threads_deadlocked Cycles of JVM-threads that are in deadlock waiting to acquire object monitors or ownable synchronizers
# TYPE jvm_threads_deadlocked gauge
jvm_threads_deadlocked{44,0} 0.0
# HELP jvm_threads_deadlocked_monitor Cycles of JVM-threads that are in deadlock waiting to acquire object monitors
# TYPE jvm_threads_deadlocked_monitor gauge
jvm_threads_deadlocked_monitor{44,0} 0.0
# HELP jvm_threads_state Current count of threads by state
# TYPE jvm_threads_state gauge
jvm_threads_state{state="NEW",pool="44,0"} 0.0
jvm_threads_state{state="RUNNABLE",pool="44,0"} 9.0
jvm_threads_state{state="BLOCKED",pool="44,0"} 0.0
jvm_threads_state{state="WAITING",pool="44,0"} 12.0
jvm_threads_state{state="TIMED_WAITING",pool="44,0"} 13.0
jvm_threads_state{state="UNKNOWN",pool="44,0"} 0.0
# HELP jvm_memory_objects_pending_finalization The number of objects waiting in the finalizer queue.
# TYPE jvm_memory_objects_pending_finalization gauge
jvm_memory_objects_pending_finalization{44,0} 0.0
# HELP jvm_memory_bytes_used Used bytes of a given JVM memory area.
# TYPE jvm_memory_bytes_used gauge
jvm_memory_bytes_used{area="heap",pool="44,0"} 2.555364E8
jvm_memory_bytes_used{area="offheap",pool="44,0"} 1.29168016E8
# HELP jvm_memory_bytes_committed Committed (bytes) of a given JVM memory area.
# TYPE jvm_memory_bytes_committed gauge
jvm_memory_bytes_committed{area="heap",pool="44,0"} 3.39738624E8
jvm_memory_bytes_committed{area="offheap",pool="44,0"} 1.31661824E8
# HELP jvm_memory_bytes_max Max (bytes) of a given JVM memory area.
# TYPE jvm_memory_bytes_max gauge
jvm_memory_bytes_max{area="heap",pool="44,0"} 3.16168708E9
jvm_memory_bytes_max{area="offheap",pool="44,0"} 1.18
# HELP jvm_memory_bytes_init Initial bytes of a given JVM memory area.
# TYPE jvm_memory_bytes_init gauge
jvm_memory_bytes_init{area="heap",pool="44,0"} 1.95035136E8
jvm_memory_bytes_init{area="offheap",pool="44,0"} 7657712.0
# HELP jvm_memory_pool_bytes_USED Used bytes of a given JVM memory pool.
# TYPE jvm_memory_pool_bytes_USED gauge
jvm_memory_pool_bytes_USED{pool="CodeHeap",non-methods:"",pool="44,0"} 2505216.0
jvm_memory_pool_bytes_USED{pool="CodeHeap",CodeHeap:"Non-MethodSpace",pool="44,0"} 8.923412E7
jvm_memory_pool_bytes_USED{pool="CodeHeap",profiled_methodes:"",pool="44,0"} 1.962176E7
jvm_memory_pool_bytes_USED{pool="Compressed Class Space",pool="44,0"} 1.1250248E7
jvm_memory_pool_bytes_USED{pool="G1 Eden Space",pool="44,0"} 1.27926272E8
jvm_memory_pool_bytes_USED{pool="G1 Old Gen.",pool="44,0"} 1.25513216E8
```

Activities Terminator Jul 7 17:55 dell@mahesh: /etc/prometheus

```
GNU nano 6.2 prometheus.yml
# A scrape configuration containing exactly one endpoint to scrape:
# Here it's Prometheus itself.
scrape_configs:
  # The job name is added as a label `job=<job_name>` to any timeseries scraped from this config.
  - job_name: "prometheus"

    # metrics_path defaults to '/metrics'
    # scheme defaults to 'http'.

    static_configs:
      - targets: ["localhost:9090"]

  - job_name: 'node_exporter'
    static_configs:
      - targets: ['localhost:9100']

  - job_name: 'jenkins'
    metrics_path: '/prometheus'
    static_configs:
      - targets: ['localhost:8080']
```

Help Write Out Where Is Cut Execute Location Undo Set Mark  
Exit Read File Replace Paste Justify Go To Line Redo Copy

The screenshot shows the AWS CloudWatch Metrics Insights interface. At the top, there is a search bar with the placeholder "Search" and a button "[Alt+S]". Below the search bar, there is a table with columns: Cluster name, Status, Kubernetes version, and Support period. The table currently displays one row: "No clusters. You do not have any clusters." At the bottom of the page, there is a "Create cluster" button.

The screenshot shows the AWS Elastic Kubernetes Service (EKS) Cluster Create page. At the top, there are tabs for 'Activities' and 'Google Chrome'. The address bar shows the URL: 'us-east-2.console.aws.amazon.com/eks/cluster-create?region=us-east-2'. The main content area has a header 'Configure cluster' and a section titled 'Configuration options - new' with a 'Info' link. It asks 'Choose how you would like to configure the cluster.' Two options are shown: 'Quick configuration (with EKS Auto Mode) - new' (selected, highlighted with a blue border) and 'Custom configuration' (unselected). The 'Quick configuration' option includes a note: 'Quickly create a cluster with production-grade default settings. The configuration uses EKS Auto Mode to automate infrastructure tasks like creating nodes and provisioning storage.' The 'Custom configuration' option includes a note: 'To change default settings prior to creation, choose this option. This configuration gives the option to use EKS Auto Mode and customize the cluster's configuration.' Below this, the 'Cluster configuration' section is expanded, showing fields for 'Name' (set to 'Netflix'), 'Kubernetes version' (set to '1.33'), and 'Cluster IAM role' (set to 'Create recommended role'). A note states: 'Select the Cluster IAM role to allow the Kubernetes control plane to manage AWS resources on your behalf. This cannot be changed after the cluster is created. To create a new custom role, follow the instructions in the Amazon EKS User Guide.' At the bottom, there are links for 'CloudShell', 'Feedback', and 'Create recommended role'.

## #OUTPUT OF NETFLIX

