**Server Details - Sonarqube**

* IP address public: 13.126.65.117
* IP address private: 10.20.20.168
* Port: 9000
* Accessible URL: http://<ipaddress>:<port> (example: <http://13.126.65.117:9000>)
* un: admin pass: SLudi2021Icta

**Server Details - Jenkins**

* IP address public jenkins: 3.6.93.46
* IP address private jenkins: 10.20.20.50
* Port: 8080
* Accessible URL: http://<ipaddress>:<port> (example: <http://3.6.93.46:8080>)
* un: admin pass: Sludi@2023

**Server Specifications**

* Hosted service: Amazon Web Services (AWS)
* OS: CentOS 7
* Server username: centos
* Hosted Server Spec Name: t2.medium (General Purpose)
* Hosted server spec: 2 Core, 4GB Memory, 20GB Storage

**Running services**

PostgreSQL 10.16

* Start service: systemctl start postgresql-10.service
* Stop service: systemctl stop postgresql-10.service
* Check status: systemctl status postgresql-10.service
* Path: /var/lib/pgsql/10

SonarQube 7.9 (LTS)

* Start service: systemctl start sonar.service
* Stop service: systemctl stop sonar.service
* Check status: systemctl status sonar.service
* JVM allocation 512m
* Path: /opt/sonarqube/

ElasticSearch

* Bind with SonarQube
* JVM allocation 1024m
* Path: /opt/sonarqube/elasticsearch/

Java OpenJDK 11.0.10 (LTS)

* OpenJDK 64-Bit Server VM
* Path: /usr/lib/jvm/java-11-openjdk-11.0.10.0.9-1.el7\_9.x86\_64

**Installation:**

https://docs.sonarqube.org/7.9/requirements/requirements/

https://docs.sonarqube.org/7.9/setup/install-server/

**Integrate with Jenkins:**

Token Generate.

1. Login to Sonar server
2. Go to Administrator -> Security -> Users -> Tokens -> Generate Tokens
3. Then enter token name click Generate button.
4. Copy the generated token.

Add Sonar Token to Jenkins

1. Login to Jenkins server
2. Go to Manage Jenkins -> Configure System -> SonarQube servers
3. Then enter sonarquber server url ( example http://localhost:9000 )
4. Then add copied sonar token to Server authentication token.

Add Web Hook to Sonar Qulity Gate

1. Login to Sonar server
2. Go to Administrator -> Configuration -> Webhooks
3. Then create new webhook as below format (http://<jenkins-server-ip>:<port>/sonarqube-webhook/)