Sonar_Cube

Sonar Cube:

SonarQube (formerly Sonar) is an open-source platform developed by SonarSource for "**continuous inspection**" of code quality to perform automatic reviews with static analysis of code to "**detect bugs**", code smells, and security vulnerabilities.

Prerequisites:

SONAR CUBE VERSION 5.6.7(https://www.sonarqube.org/downloads/)

Download **setting.xml** file:
Setting.xml file paste it in:(C:\Users**gowtham**\.m2)

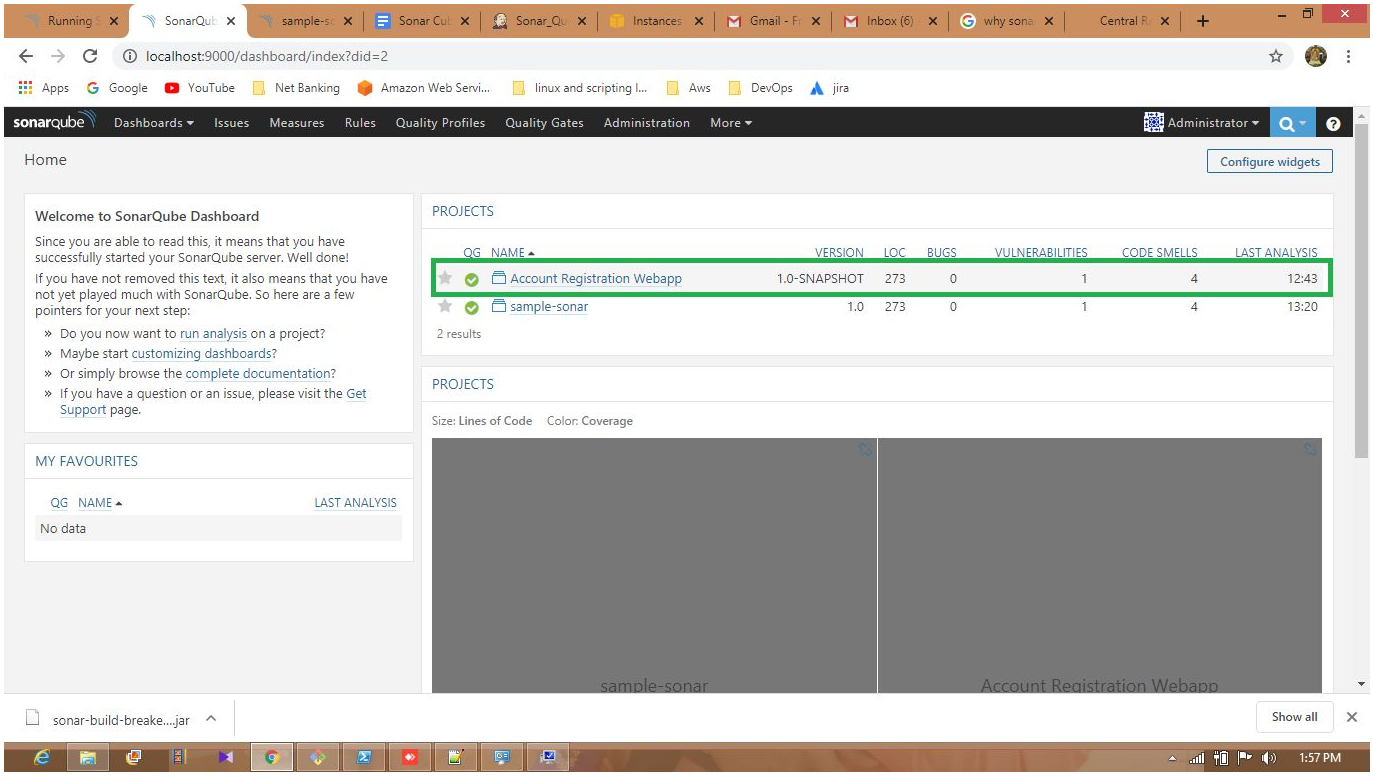
```
<settings>
   <pluginGroups>
      <pluginGroup>org.sonarsource.scanner.maven</pluginGroup>
   </pluginGroups>
   <profiles>
      <profile>
         <id>sonar</id>
         <activation>
            <activeByDefault>true</activeByDefault>
         </activation>
         <properties>
            <!-- Optional URL to server. Default value is http://localhost:9000 -->
            <sonar.host.url>
              http://localhost:9000
            </sonar.host.url>
                                 <sonar.user>admin</sonar.user>
                                 <sonar.password>admin</sonar.password>
         </properties>
      </profile>
    </profiles>
</settings>
```

JENKINS(https://jenkins.io/download/)

SONAR
RUNNER(https://repo1.maven.org/maven2/org/codehaus/sonar/runner/sonar-runner-dist/2.4/)

Step1:
Downloaded sonar qube version paste in the below path
C:\Program Files**sonarqube-5.6.7**
Give path in environment variables**:SONAR_HOME**
Open command prompt
Give below path **cd C:\Program Files\sonarqube-5.6.7\bin\windows-x86-64**
Type InstallNTservice.bat
Type StartNtservice.war
Move to browser and type **localhost:9000**

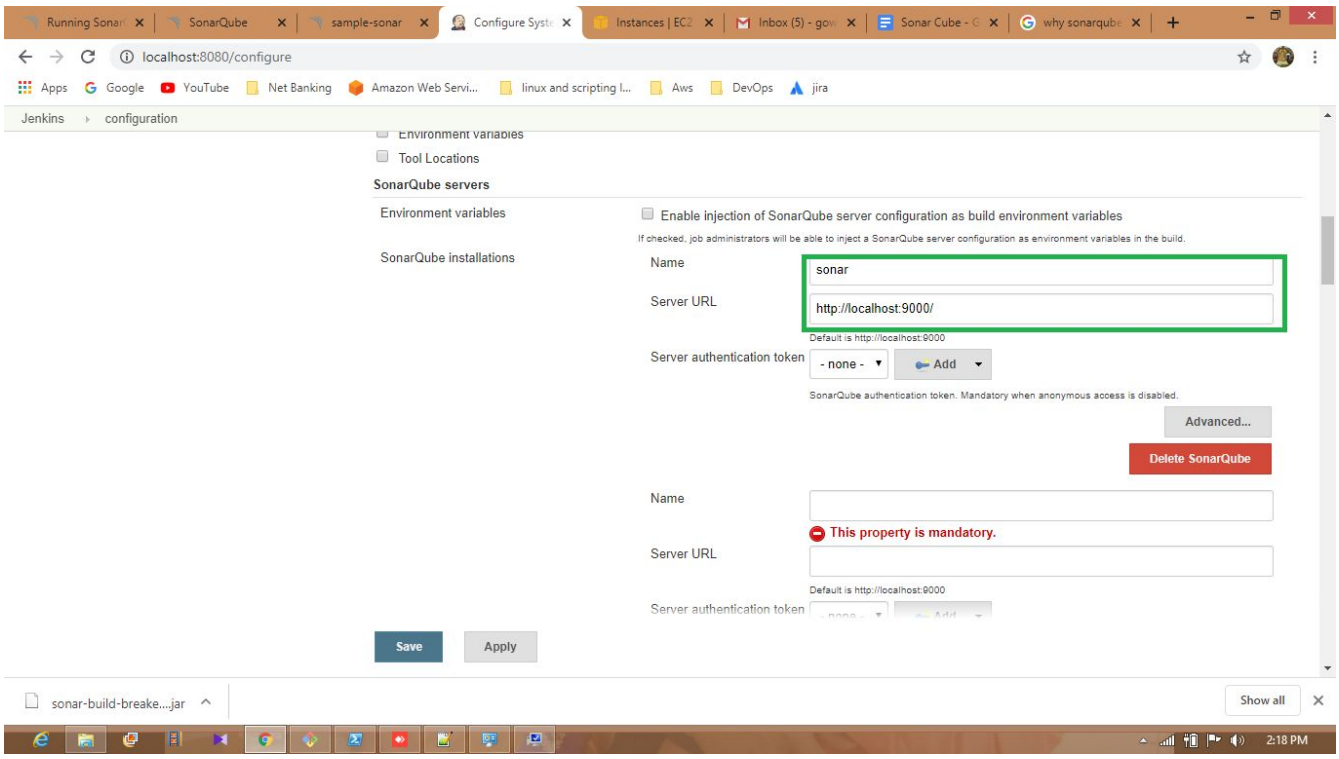
Step2**:**
Move to maven project which is available in your local system
Pom.xml
Open command prompt
Type
Mvn install
Mvn sonar:sonar
Download **setting.xml** file and the file in the given path(C:\Users**gowtham**\.m2)
After this 1 project will create successfully on Sonarqube



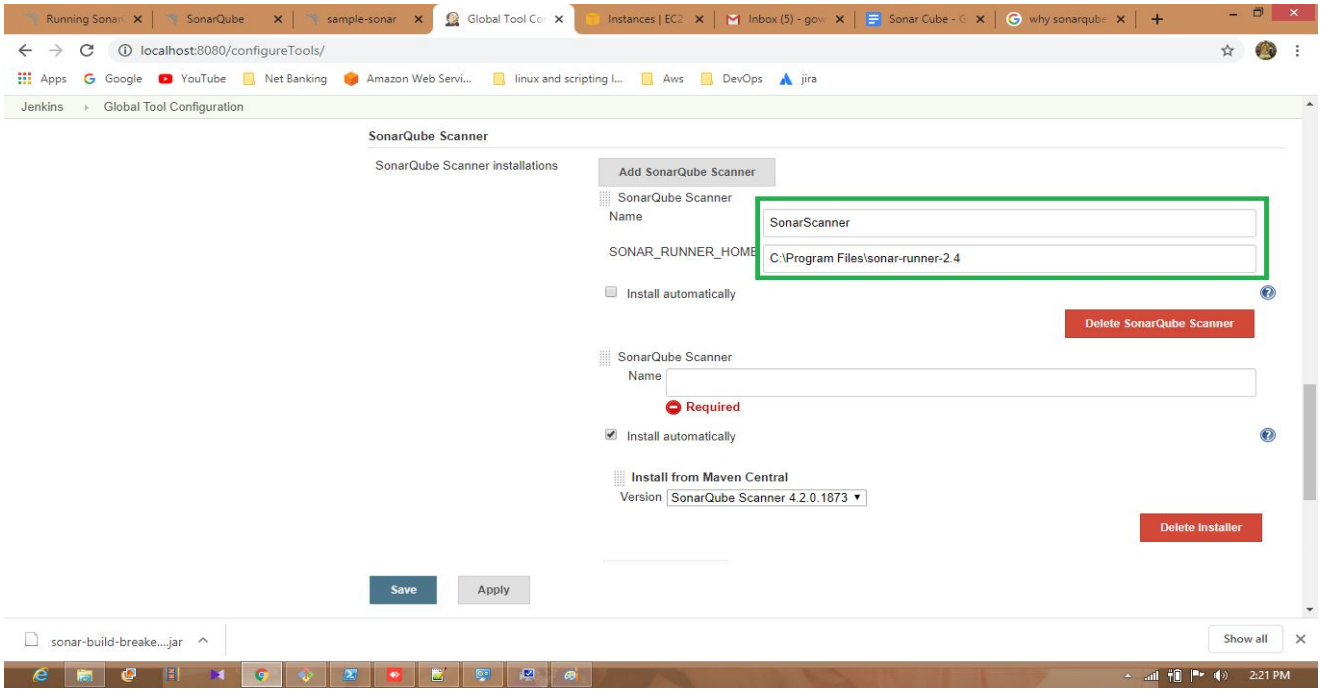
Step3:
Install jenkins in local(https://jenkins.io/download/)
Open jenkins in browser with **localhost:8080**
Download
SONAR_RUNNER(https://repo1.maven.org/maven2/org/codehaus/sonar/runner/sonar-runner-dist/2.4/)
Install sonar runner in (c:/programfiles)
Give path in environment variables: **SONAR_RUNNER_HOME**

Step4:
Move to jenkins
Install plugin **Sonarcubescanner**

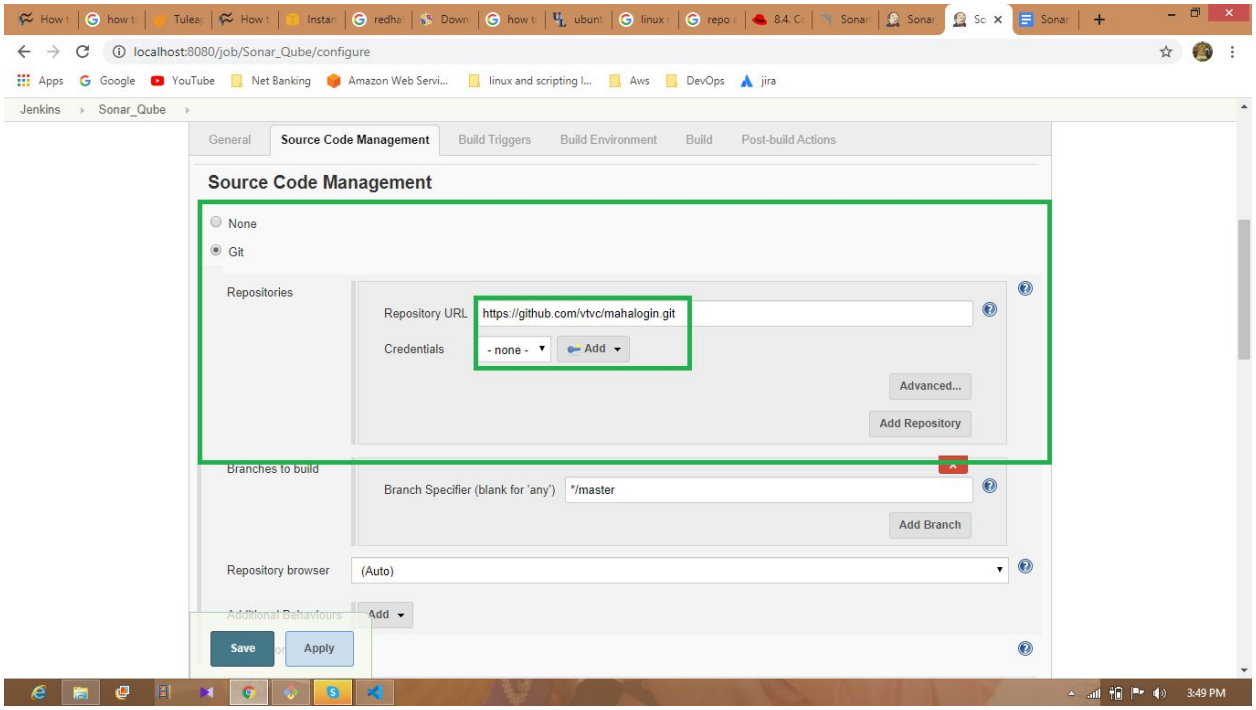
Manage Jenkins/Configure system:



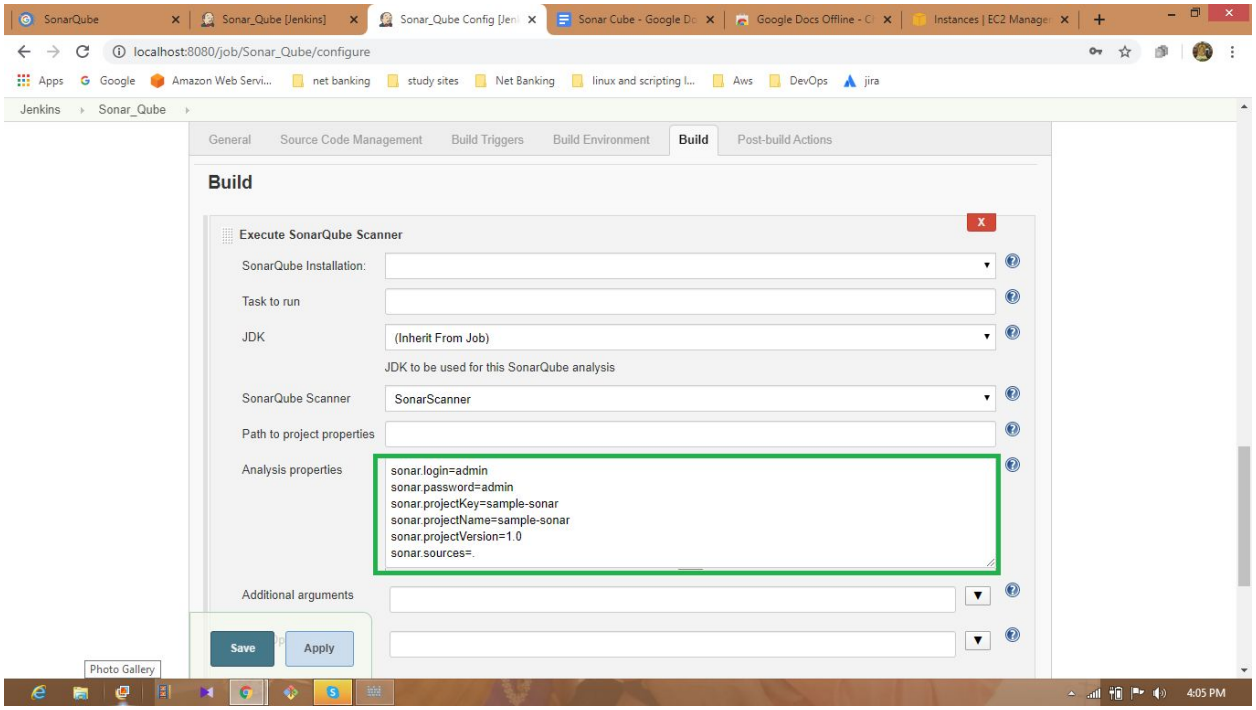
Manage Jenkins/Global tool configuration:



Step5:
Create job for checking the errors
Job Name: Sonar_Qube
https://github.com/vtvc/mahalogin.git



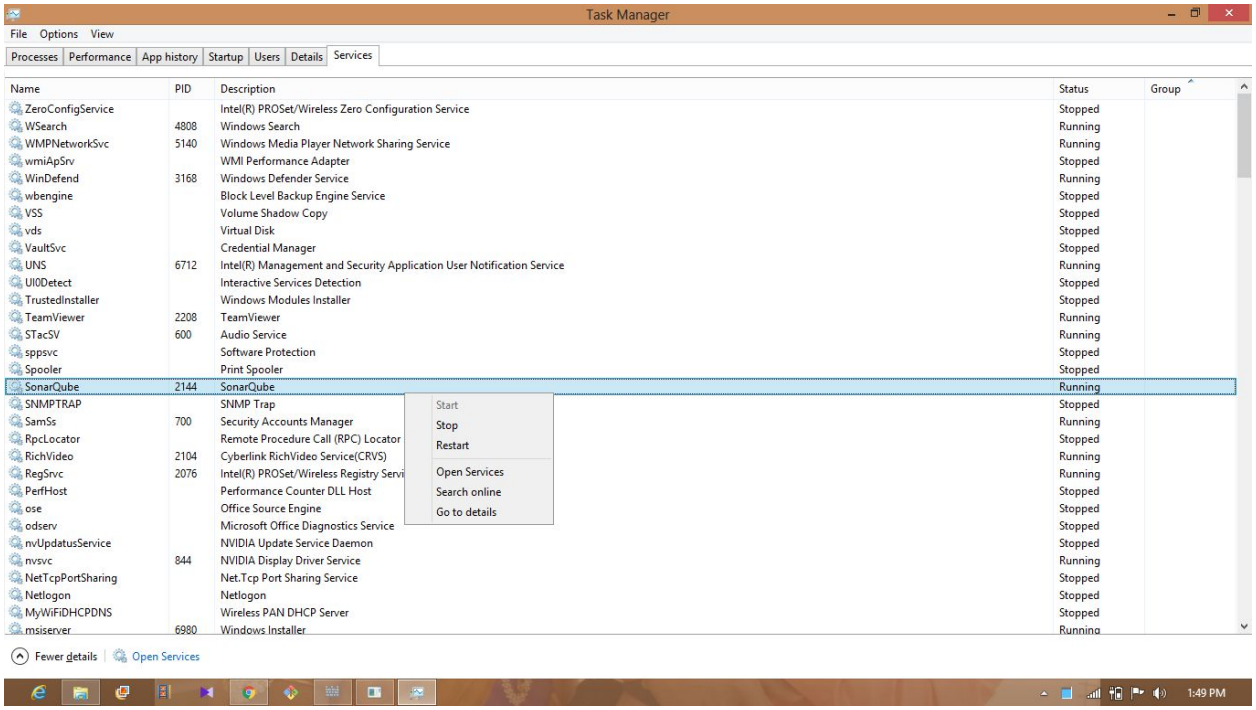
In Build **Analysis Properties** type below one:
sonar.login=admin
sonar.password=admin
sonar.projectKey=sample-sonar
sonar.projectName=sample-sonar
sonar.projectVersion=1.0
sonar.sources=.



After completion of the above step save job and run it.

Step6:

- Download Build Breaker plugin(https://github.com/adnovum/sonar-build-breaker)
- Paste the build breaker in mentioned path(C:\Program Files (x86)\Jenkins\plugins)
- After Build Breaker Plugin configuration **restart** sonarqube service


Task Manager
File Options View
Processes Performance App history Startup Users Details Services
Name PID Description Status Group
ZeroConfigService Intel(R) PROSet/Wireless Zero Configuration Service Stopped
WSearch 4808 Windows Search Running
WMPNetworkSvc 5140 Windows Media Player Network Sharing Service Running
wmiApSrv WMI Performance Adapter Stopped
WinDefend 3168 Windows Defender Service Running
wbengine Block Level Backup Engine Service Stopped
VSS Volume Shadow Copy Stopped
vds Virtual Disk Stopped
VaultSvc Credential Manager Stopped
UNS 6712 Intel(R) Management and Security Application User Notification Service Running
UI0Detect Interactive Services Detection Stopped
TrustedInstaller Windows Modules Installer Stopped
TeamViewer 2208 TeamViewer Running
STacSV 600 Audio Service Running
sppsvc Software Protection Stopped
Spooler Print Spooler Stopped
SonarQube 2144 SonarQube Running
SNMPTRAP SNMP Trap Stopped
SamSs 700 Security Accounts Manager Running
RpcLocator Remote Procedure Call (RPC) Locator Stopped
RichVideo 2104 Cyberlink RichVideo Service(CRVS) Running
RegSrvc 2076 Intel(R) PROSet/Wireless Registry Servi Running
PerfHost Performance Counter DLL Host Stopped
ose Office Source Engine Stopped
odserv Microsoft Office Diagnostics Service Stopped
nvUpdatusService NVIDIA Update Service Daemon Stopped
nvsvc 844 NVIDIA Display Driver Service Running
NetTcpPortSharing Net.Tcp Port Sharing Service Stopped
Netlogon Netlogon Stopped
MyWiFiDHCPDNS Wireless PAN DHCP Server Stopped
msiserver 6980 Windows Installer Running
Start
Stop
Restart
Open Services
Search online
Go to details
Fewer details
Open Services
1:49 PM