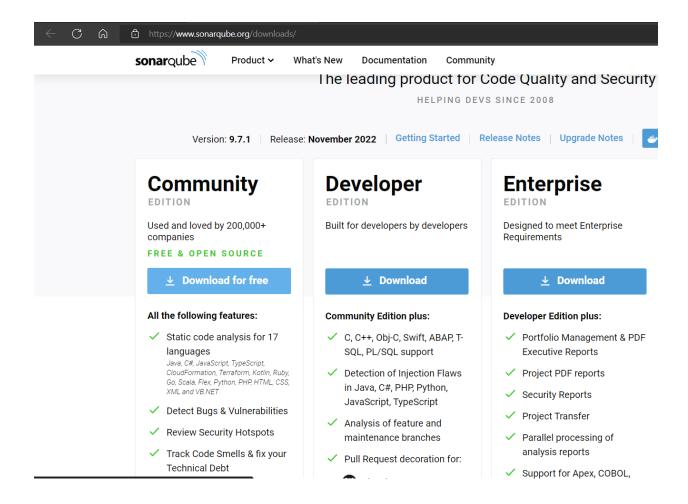
ADVANCED DEVOPS LAB

Name: Tushar Padhy Roll no: 42

Experiment No: 08

Aim: Perform static analysis using sonarqube and show the analysis

1. Download the SonarQube Community Edition zip file.



2. Download and install Java 11 on your system.





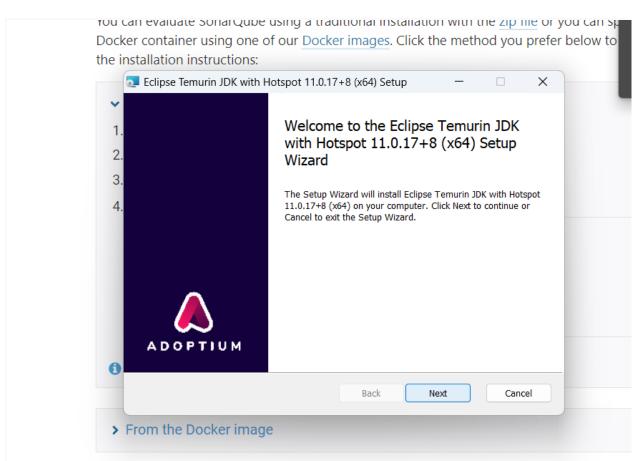


and are regularly <u>updated and supported</u> by the Adoptium community. Migration help, container images and package installation guides are available in the <u>documentation section</u>. You can read the <u>Release Notes</u> for each version thanks to our friends at Foojay.io!

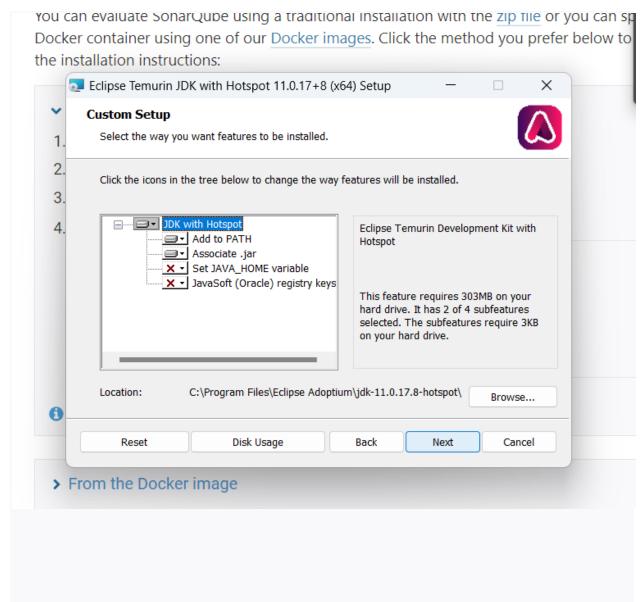
Use the drop-down boxes below to filter the list of current releases.



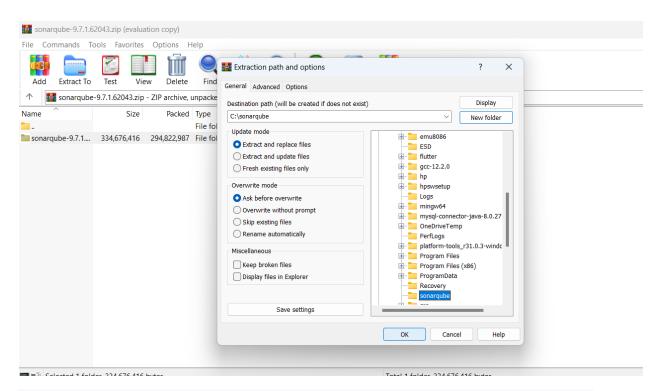
Previous releases are available in the Temurin archive.



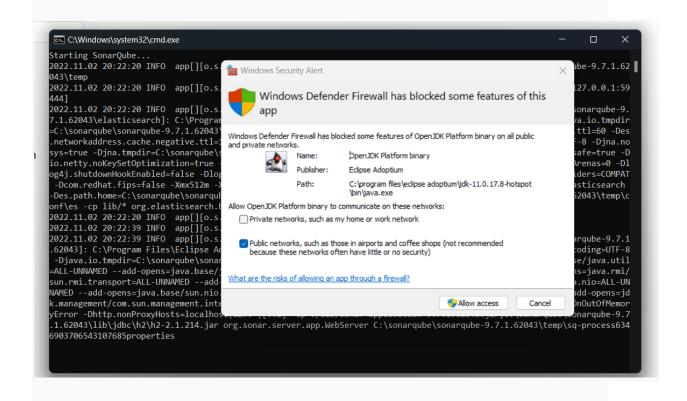
Once your instance is up and running, Log in to http://localhost:9000 using System Admini:



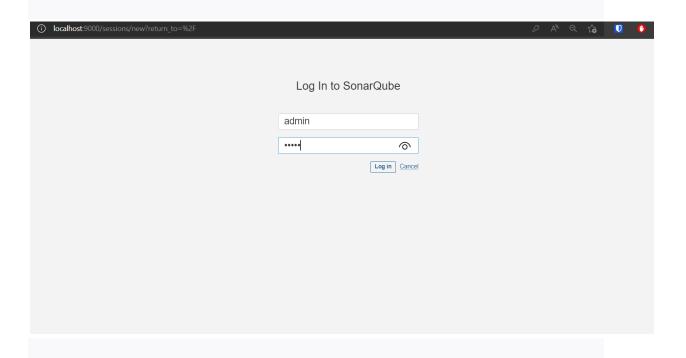
3. As a **non-root user**, unzip it, let's say in C:\sonarqube or /opt/sonarqube.



4. As a **non-root user**, start the SonarQube Server:

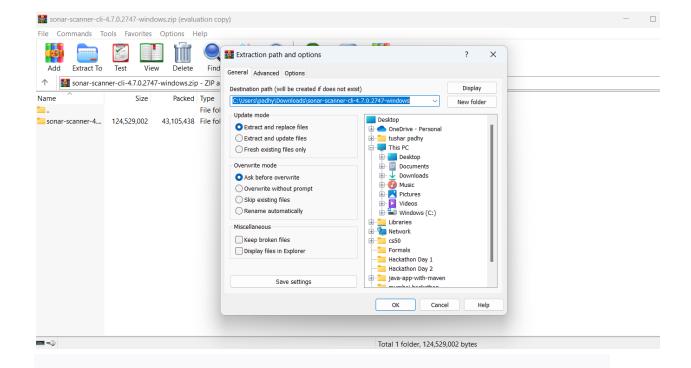


5. Once your instance is up and running, Log in to http://localhost:9000 using System Administrator credentials:

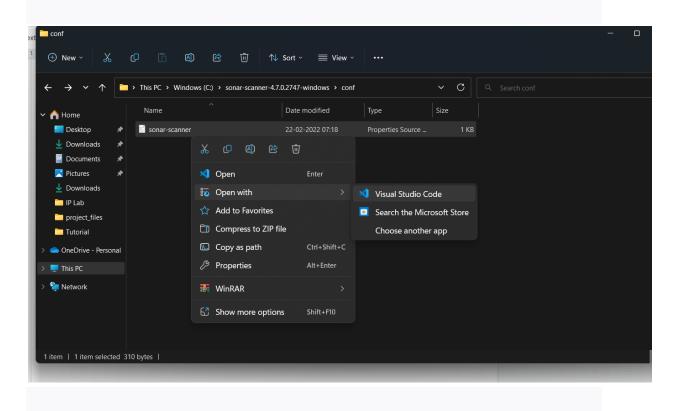


6. Install sonar scanner from the official link and extract it to the same folder where sonarqube has been installed

https://docs.sonarqube.org/latest/analysis/scan/sonarscanner

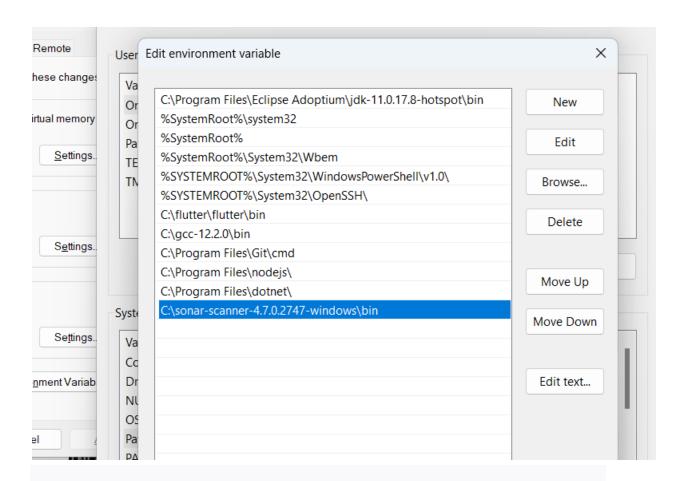


7. Go into the sonar-scanner directory and open the sonar-scanner.properties file



8. Update the global settings to point to your SonarQube server by editing

9. Add the bin path of sonarscanner into the environment variables of your system



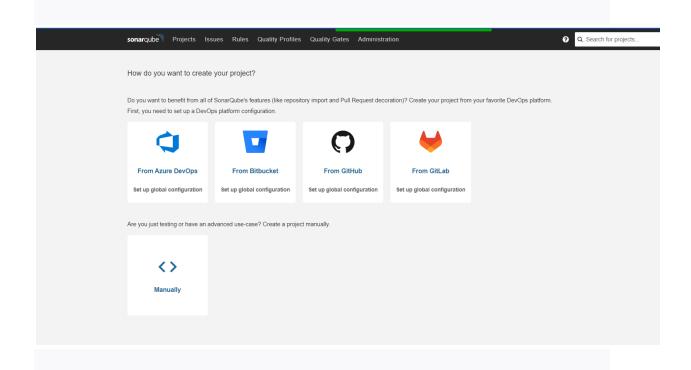
10. Verify your installation by opening a new shell and executing the command sonar-scanner -h

```
C:\Users\padhy>sonar-scanner -h
INFO:
INFO: usage: sonar-scanner [options]
INFO:
INFO: Options:
INFO: -D,--define <arg> Define property
INFO: -h,--help Display help information
INFO: -v,--version Display version information
INFO: -X,--debug Produce execution debug output

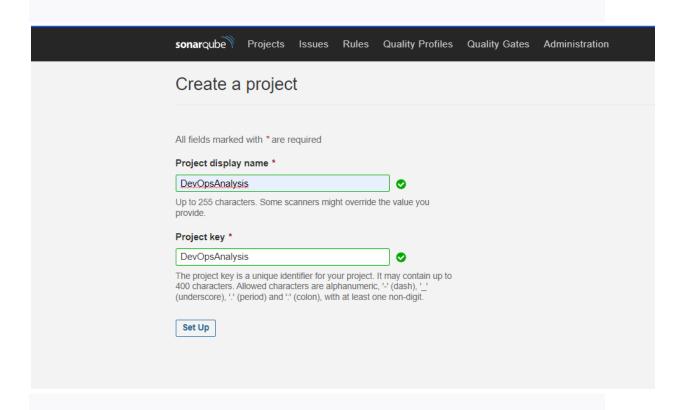
C:\Users\padhy>

C:\Users\padhy>
```

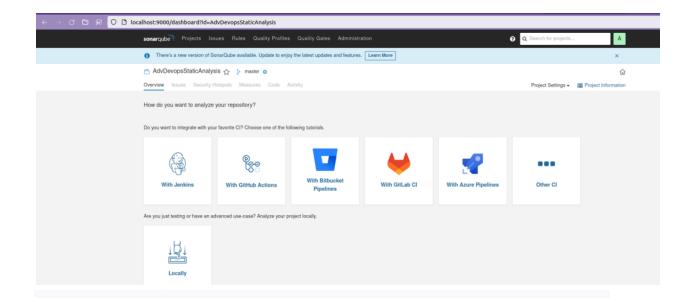
11. Now that our sonar-scanner is installed, we will create a project in our sonarqube that is logged in through http://localhost:9000/projects/create



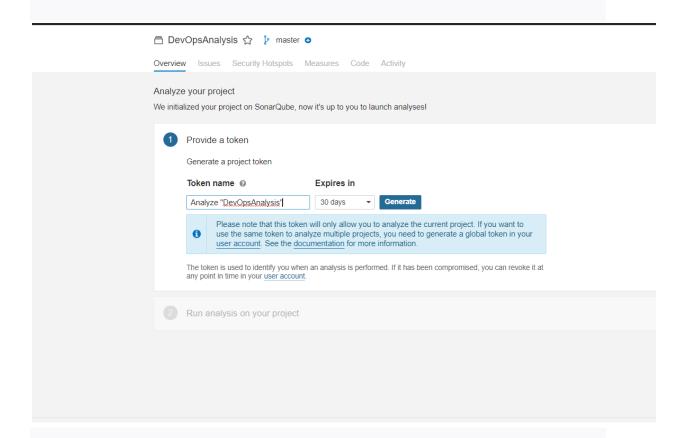
12. Click on manually and create the project by giving in the values for the asked fields



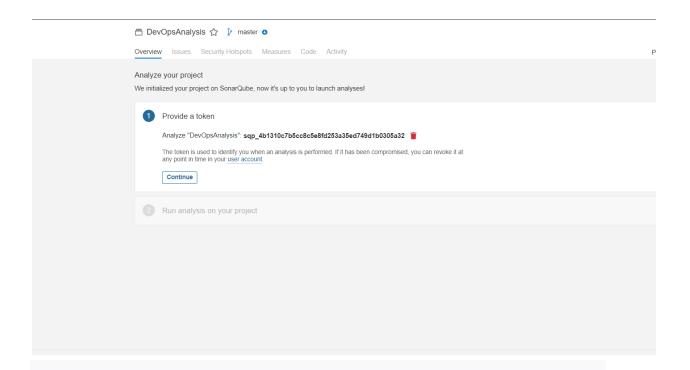
13. It will look something like this after clicking set up, now in order to analyze the code, click on locally



14. Click on generate a token

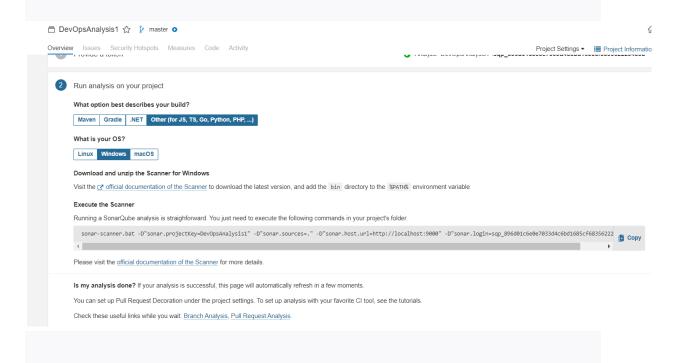


The following output will be received



15. After the token is copied and clicked on continue, then choose your project type

In this case it falls under others



16. Now go the root of your project directory and run the command given by the sonar scanner

```
PS C:\Users\padhy\OneDrive\Documents\vs_code\CluedIn_web> sonar-scanner.bat -D"sonar.pr
ojectKey=DevOpsAnalysis" -D"sonar.sources=." -D"sonar.host.url=http://localhost:9000" -
D"sonar.login=sqp_e98edb03ecfb6203979e61db4ba07e15c3830e0a"
INFO: Scanner configuration file: C:\sonar-scanner-4.7.0.2747-windows\bin\..\conf\sonar
-scanner.properties
INFO: Project root configuration file: NONE
INFO: SonarScanner 4.7.0.2747
INFO: Java 11.0.14.1 Eclipse Adoptium (64-bit)
INFO: Windows 11 10.0 amd64
INFO: User cache: C:\Users\padhy\.sonar\cache
```

Once the scanning process is done, you'll see the following output

Now we can see the results in our sonarqube dashboard under our project

