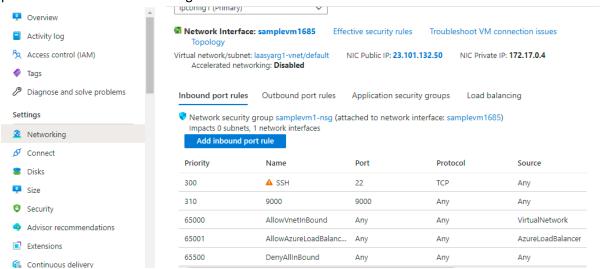
INTEGRATING SONARQUBE WITH AZURE DEVOPS FOR CODE INSPECTION

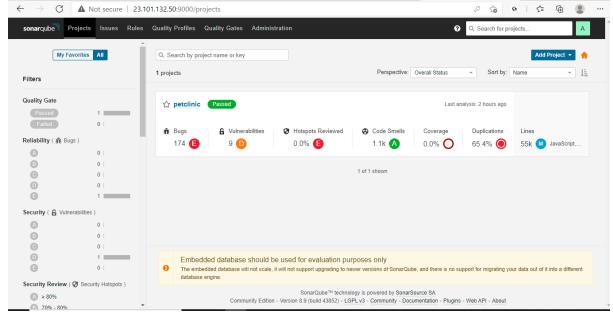
- 1. Login to the VM created.
- 2. Install docker using: \$sudo apt install docker.io
- 3. Now pull sonarqube using docker: \$sudo docker pull sonarqube:latest
- 4. Run the container: sudo docker container run -d --name sonarqube -p 9000:9000 sonarqube:latest

```
azureuser@samplevml:~$ docker container run -d --name sonarqube -p 9000:9000 son
arqube:latest
docker: Got permission denied while trying to connect to the Docker daemon socke
t at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/vl.24/c
ontainers/create?name=sonarqube: dial unix /var/run/docker.sock: connect: permis
sion denied.
See 'docker run --help'.
azureuser@samplevml:~$ sudo docker container run -d --name sonarqube -p 9000:900
 sonarqube:latest
cf437f31e827f46668aa195840c616c92f984e402a063f48054cf8f05e4b9ffa
azureuser@samplevml:~$ docker container ps
Got permission denied while trying to connect to the Docker daemon socket at uni
x:///var/run/docker.sock: Get http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers
/json: dial unix /var/run/docker.sock: connect: permission denied
azureuser@samplevml:~$ sudo docker container ps
              IMAGE
                                                                            STAT
CONTAINER ID
                                     NAMES
            PORTS
cf437f31e827
              sonarqube:latest "bin/run.sh bin/sona..."
                                                           27 seconds ago
                                                                            Up 2
           0.0.0.0:9000->9000/tcp
6 seconds
                                    sonarqube
```

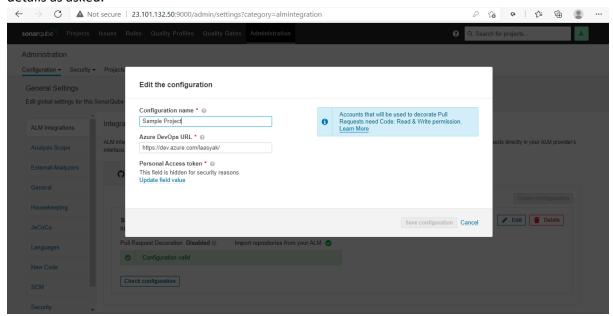
5. open browser and type <pub_ip_of_vm>:9000. Note: Make sure to add an inbound rule for port 9000 in the VM networking section.



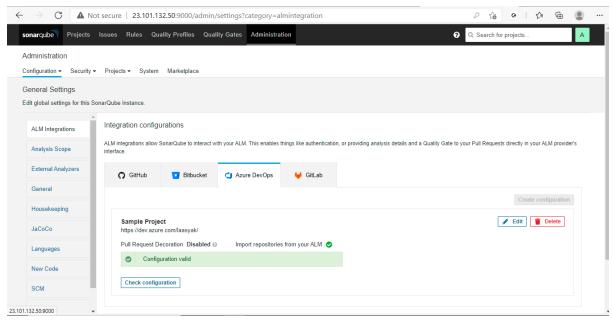
Now you will be able to see the login page of the sonarqube. Username and password are admin by default. You will then be prompted to change the password. 7. Once that is done, you will be able to see the dashboard with no attached projects.



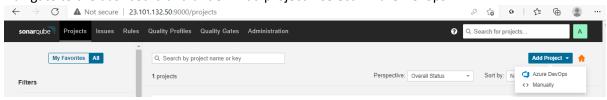
- 8. Now, Navigate to Azure Devops portal and create PAT.
- 9. Navigate to sonarqube and Administration>ALM integration>Azure Devops>give all the details as asked.



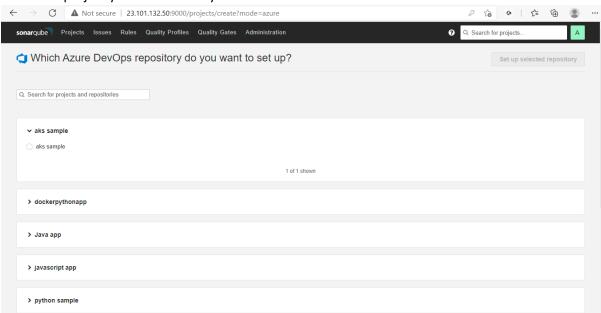
10. And once done, you will be able to check the configuration.



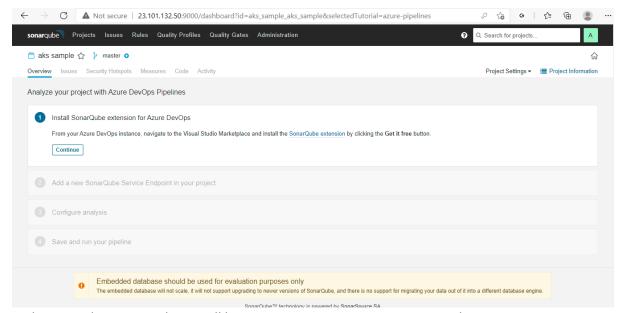
- 11. Now you are set to integrate your organization projects to sonarqube for code analysis.
- 12. Navigate to the dashboard and under "Add project">select "Azure Devops".



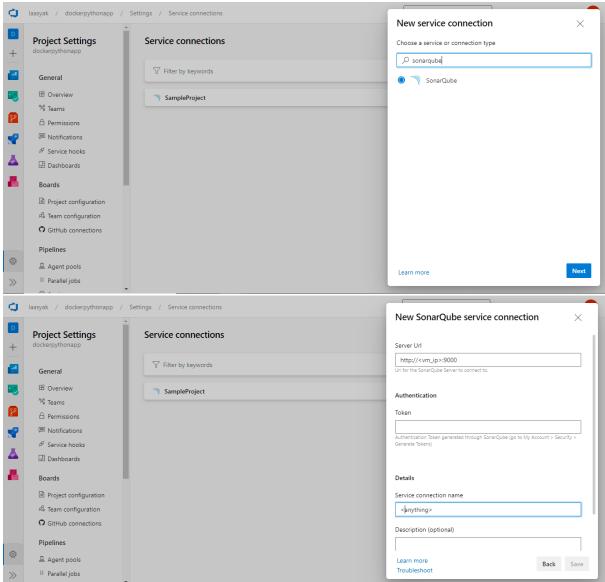
13. Select the project you want to analyse.



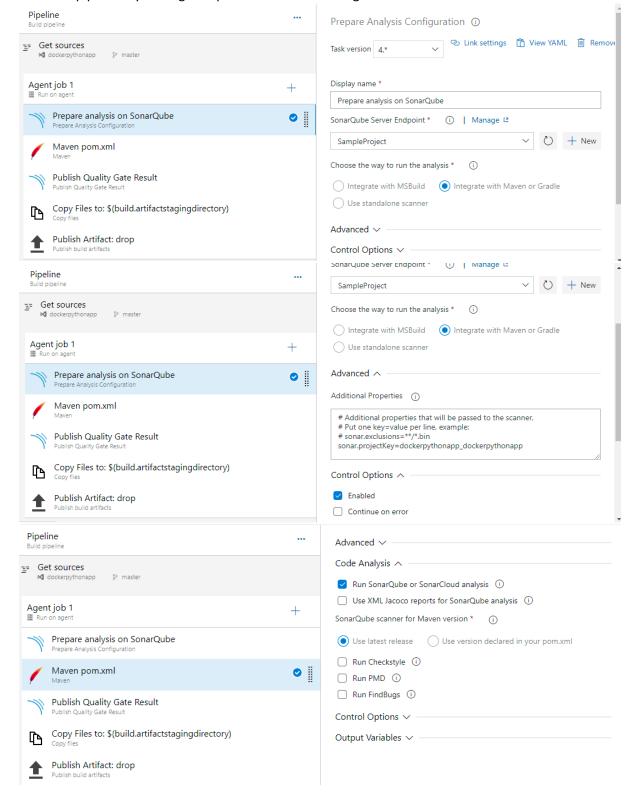
14. Select that and Set up the selected repository. Once done, it will provide the steps to follow.



15. In the azure devops portal, you will have to create a service connection under your project settings.



- 16. To add the token value in the connection you want to create, navigate to the sonarqube dashboard. Myaccount>security>generate token. Copy paste it to the field and save it.
- 17. Once done with all of this, go to the repo section of devops project and import a repo of any project you wish to build.
- 18. Build the pipeline by settings as specified in the following screenshots.



19. Now run the pipeline.

20. Once succeeded, navigate to sonarqube and you will be able to see the insights of your pipeline job.

