sonarqube

- It is code quality management tool

Why we need a sonarqube ?

- Quality of software is very imp.

- managing a quality reports and timeline growth in terms of quality.

- team needs a common place where the code analysis review can be done.

(web dashboard)

- what is problem in code + why this problem + who has introduced + how to fix

- 70% bugs found because of bad quality code.

sonarqube arch:

- sonarqube server

- dashboard + database (mysql , h2,ps, or more) + rules

- scanner

- it is a jar file

- agent running in a place where you have source code

- scanner runs on source code and this depends on propritory file,

It detect what kind of source code you have ( any programming lang you have)

- scanner travel to the rules on sonarqube server,

- then download all applicable rules on the source server ( rules are the kind of check list which read each and everyline

of code and check where it is wrong and what is not wrong )

- it will generate report

- this report move to the db

- then this report form here show to web dashboard

- then web dashboard you will see ( what is problem in code + why this problem +

who has introduced + how to fix )

