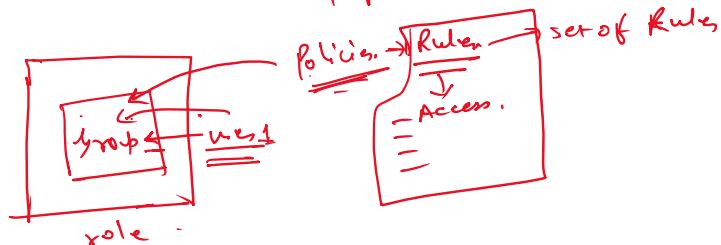


OWASP:- open web App. security Project
↓

NFC - set the security standard.

10 diff. Category:-

- (1) Broken Access control - User permission not properly set.



- (2) Cryptographic failure

Improper Certificate Handling.
Storing Data in Plain Text
Weak Algorithm.

- (3) Injection- SQL Injection
Command Injection
Template Injection

- (4) Imsecure design-
① Architectural flaws.
② Bad thread modelling.

- (5) Security Misconfiguration-

- ① B6S - Public
- ② Default cred.
- ③ Port open.

- (6) Vulnerable & outdated content-

- ① Dependent libraries
- ② O.S. patches

- (7) Identification & Weak Authentication-

- ① Weak Authentication
- ② Bad token handling.

- (8) Software & Data Integrity failure-

- (9) Security logging & monitoring failure.

⑨ Security logging & monitoring failure.



⑩ SSRF (Same Side Request Forgery)

* Sonar Quality gate:- set the condition to check whether it is in healthy state or not.

Pass - Not to proceed
Fail - Fail at the certain stage.

Why? Enforce shift-left approach.

- ① Enforce shift-left approach.
- ② Automate code standards.
- ③ Prevent low quality code.

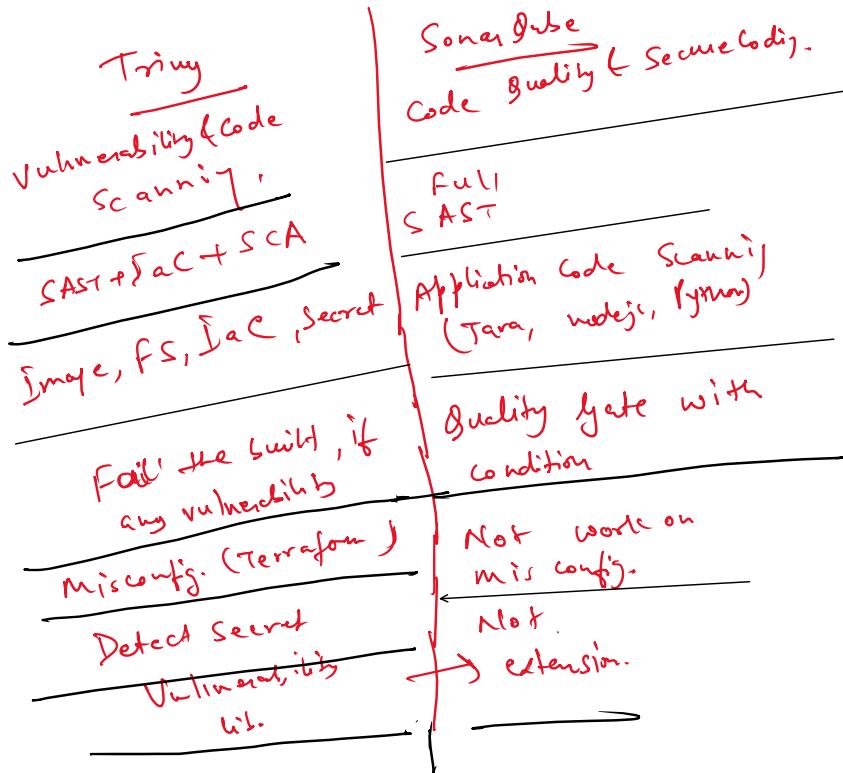
Key Category:

- | | |
|------------------------------|-----------|
| ① Leak Period. | New Code. |
| ② Overall code (less strict) | |
- ① Security
 - ② Maintenance
 - ③ Coverage
 - ④ Duplication.

Trivy :- open source, all-in-one security scanner

- Container Scan
- filesystem
- Vulnerability Scan
- Docker Security Scan
- K8S

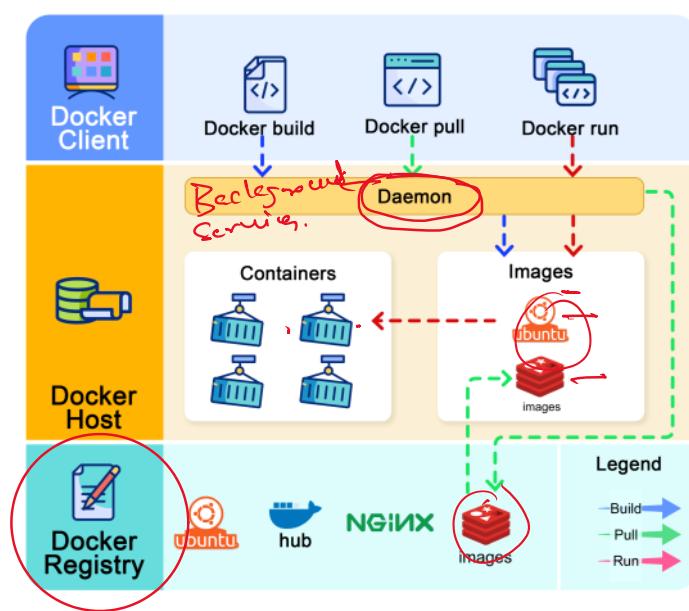
Image - trivy image



Docker:-

How does Docker Work ?

blog.bytebytego.com



- ① Docker Engine
- ② Docker Image
- ③ Docker Registry
- ④ Docker Container

Docker file → Docker Image

- ① App + Dependencies
- ②

Docker Registry

① Where the images will be stored.

