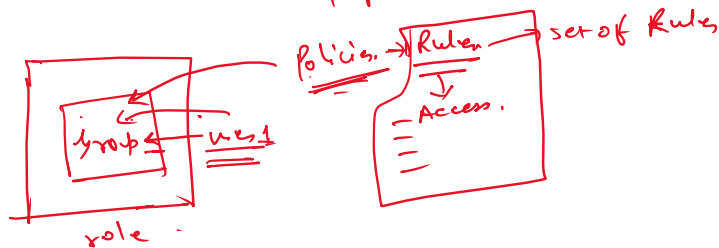


OWASP:- open web App. Security Project

↓
NBS - set the security standards.

10 diff. Category:-

① Broken Access control - User Permission not properly set.



② Cryptographic failure:-

Improper Certificate Handling,
Storing Data in Plain Text
Weak Algorithms.

③ Injection:- SQL Injection
Command Injection
Template Injection.

④ Insecure design:- ① Architectural flaws.
② Bad thread modelling.

⑤ Security Misconfiguration:-

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

⑥ Vulnerable & outdate 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.

Splunk



10 SSRF (Same Side Request Forgery)

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

Pass - got to proceed
fail - Fail at the certain stage.

Why?

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.

- Contains Scanning
 - filesystem
 - Vulnerability Scanning.
 - IaC Security Scanning.
 - K8S

Image - trivy image

Docker Registry

① where the images will be stored.

[Docker Hub
Amazon ECR
Azure ACR]