

WIN - VS CODE / CP

4/4/25

5] Implement continuous security using Snyk.

→ Snyk is a security tool, used to find & fix vulnerabilities in project code, dependencies, container images, infrastructure as a code.

01] Snyk.io → website link with github.

Sign up → github. authorise Snyk

config:

1) Choose github

2) Allow private & public repo to use this application

3) Authenticate.

→ Now the app asks for repositories to select & work upon to curb vulnerabilities.

After Import & scan

→ Right side →

900-1000	700-900	≤ 700
C	H	M
Critical	High	Moderate

& vulnerability score too.

} shows no of vulnerabilities in repo.

click on the repository to view detailed

→ shows all types of attacks / vulnerabilities possible on C H M L vulnerabilities

→ click on any of them →

[Learn how to fix the issue]

→ shows data flow / fix analysis

↓
shows example fixes

2] Installing WIN - Command prompt
 Snrk using command prompt (CP)

→ node js is required. (if not present, install node js from web).

→ verify using in CP

node

→ ctrl c // to come out of node js

npm install -g snyk // installation

snyk auth // redirects to snyk website
 // same procedure as before.

// your account has been authorized. // ctrl+c
 * to fix some vulnerabilities using snyk.

mkdir goat
 cd goat

git clone <pygoat link>
 github.

cd pygoat // navigate.

~~snyk~~

snyk test // to scan files inside pygoat
 --file=requirements.txt --skip-unresolved

// shows errors/issues & helps to fix packages requirements (suggestions)

snyk monitor // continuously monitor for vulnerabilities.

--skip-unresolved

use this if error.

3] install snyk using vs code.

- open pygoat folder
- extensions → install snyk security.
- new only open (pygoat-snyk) in vs code
- in leftmost nav bar in vs code
- snyk security icon → click
- shows
 - summary
 - open source security
 - code security
 - config issues
 - code quality
- click on an issue in code security
- opens up snyk code issue

option : dataflow | fix analysis | overview