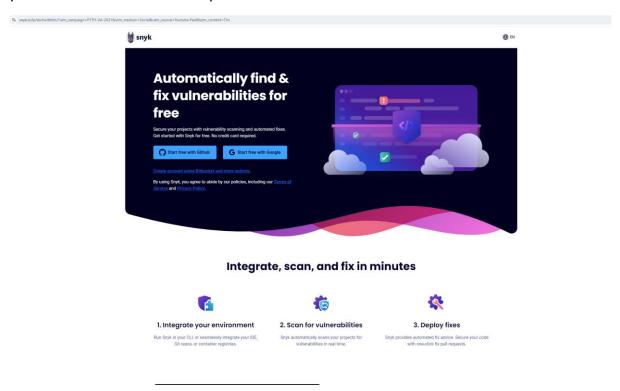
How to use Snyk

Introduction to Snyk

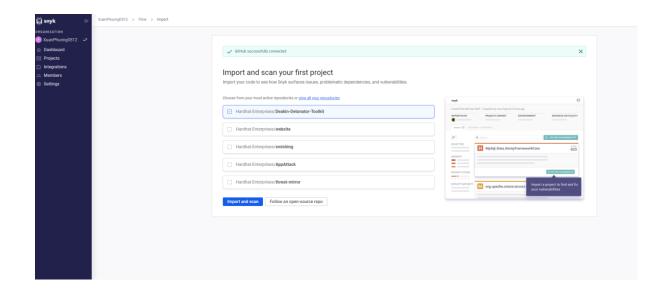
Snyk is a developer-first security platform designed to help organizations find, fix, and monitor vulnerabilities in their code, dependencies, containers, and infrastructure as code (IaC). It integrates seamlessly into the development process, enabling teams to identify security issues early in the software development lifecycle (SDLC) without disrupting productivity. By automating security checks and providing actionable insights, Snyk empowers developers to take ownership of security, ensuring that applications are secure from the start.

How to use Snyk on their website and GitHub

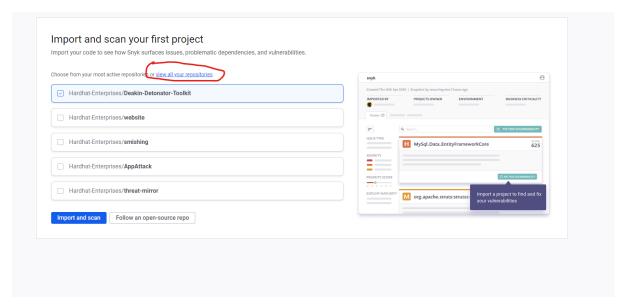
First, go to the snyk.io website https://snyk.io/lp/techwithtim/?utm_campaign=PYTH-UA-2021&utm_medium=Social&utm_source=Youtube-Paid&utm_content=Tim and log in using your account or GitHub for easy access.



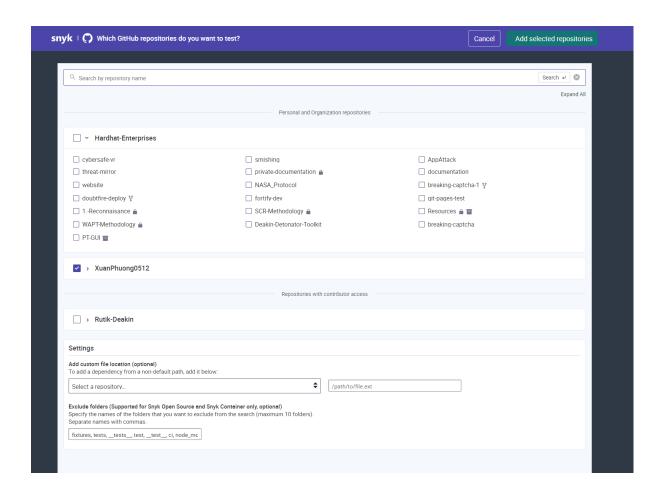
Once you are in, grant Snyk access to your GitHub to scan your projects for vulnerabilities. You can grant or deny access to any project you want. In my case, I let Snyk gain access to all my project for easy management.



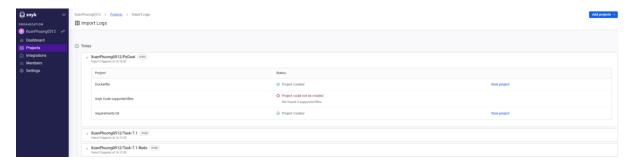
Now click on 'View all your repositories for any vulnerability' to choose which project of yours, you want to scan.



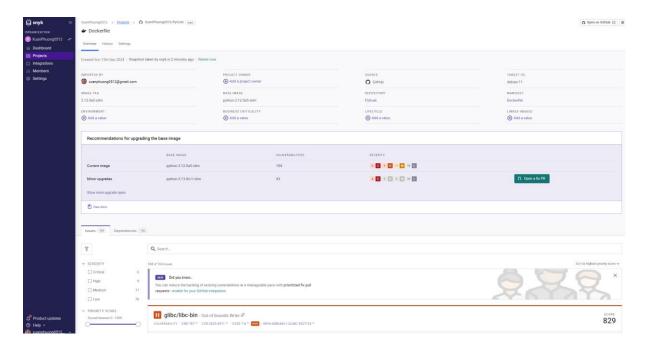
In this screen, I chose my own projects so that I can scan for any vulnerabilities



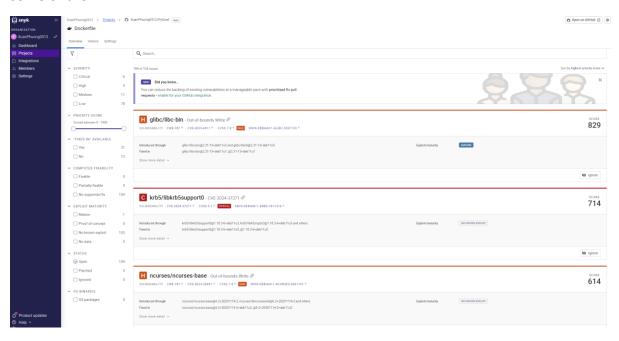
Here I uploaded a project with vulnerabilities provided by Snyk.



Click on View project and it will show you how many vulnerabilities that project have.



If you scroll down, you will see how many vulnerabilities there are and even solutions to some of them.



How to install Snyk on your computer

First, make sure you have node.js, go to this link to download: https://nodejs.org/en

If you want the official Snyk guide for installation go to this website https://docs.snyk.io/snyk-cli/install-or-update-the-snyk-cli

Now, once you have installed node.js, go to your command prompt window and type in

npm install snyk -g

```
Microsoft Windows [Version 10.0.22631.4169]
(c) Microsoft Corporation. All rights reserved.

C:\Users\xuanp>npm install snyk -g

added 36 packages in 19s

12 packages are looking for funding
run 'npm fund' for details
npm notice
npm notice New patch version of npm available! 10.8.2 -> 10.8.3
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.8.3
npm notice To update run: npm install -g npm@10.8.3

C:\Users\xuanp>

C:\Users\xuanp>
```

Now we need to authenticate ourselves to Snyk, by typing:

Snyk auth

```
Microsoft Windows [Version 10.0.22631.4169]
(c) Microsoft Corporation. All rights reserved.

C:\Users\xuanp>npm install snyk -g

added 36 packages in 19s

12 packages are looking for funding

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npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.8.3

npm notice To update run: npm install -g npm010.8.3

npm notice

C:\Users\xuanp>snyk auth

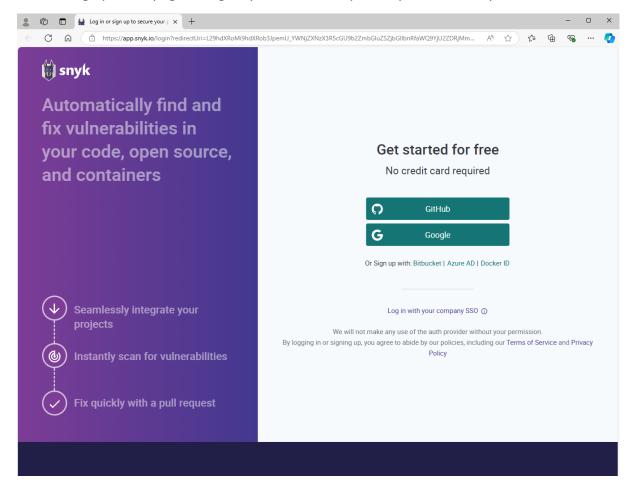
Now redirecting you to our auth page, go ahead and log in,
and once the auth is complete, return to this prompt and you'll

be ready to start using snyk.

If you can't wait use this url:

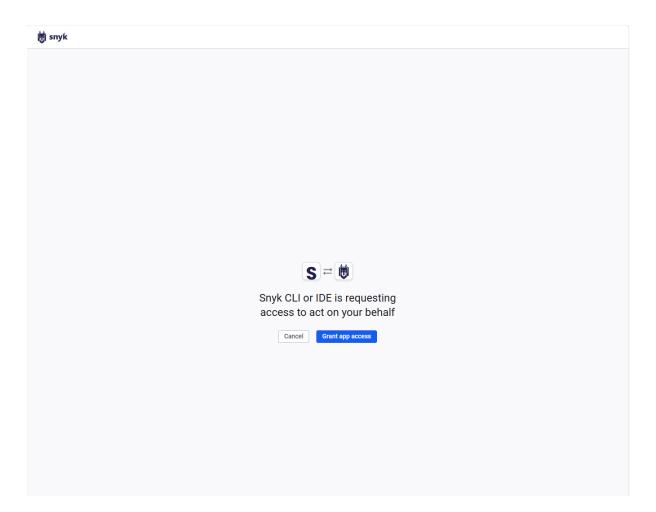
https://app.snyk.io/oauth/authorize?access_type=offline&client_id=b56d4c2e-b9e1-4d27-8773-ad47eafb0956&code_challenge=R
_QqbHwqfq6TftgN051brcrE1TBwNE5jr7CG-aXeGEo&code_challenge_method=$256&redirect_uri=http%3A%2F%2F127.0.0.1%3A8980%2Fauthorization-code%2Fcallback&response_type=code&scope=offline_access&state=EcPsB0ruMap6-hJ&version=2021-08-11~experimental
```

It will bring up a webpage that gets you to connect your Snyk account to your CLI

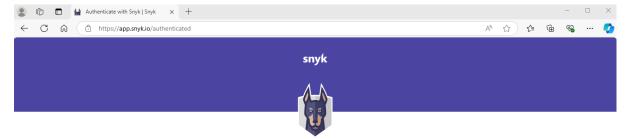


If you don't have an account just follow through the steps of creating one, I already have one so I'm going to use that.

If this window pops up, simply click 'Grant app access'



You should now see this window after granting access.

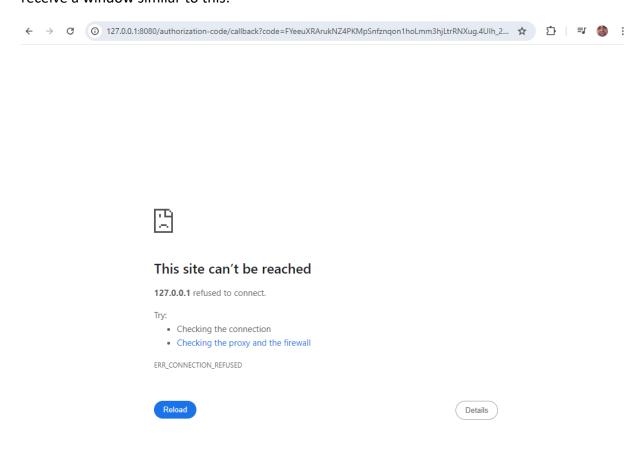


Authenticated

Your account has been authenticated. Snyk is now ready to be used.

What happens if the authentication window fails?

If you failed to authenticate your machine for Snyk CLI through the method above, you will receive a window similar to this:



In this case, type in the command prompt:

snyk auth -auth-type=token

It will redirect you to their authentication page, and you simply press 'Grant app access'

```
C:\Users\xuanp>snyk auth --auth-type=token

Now redirecting you to our auth page, go ahead and log in, and once the auth is complete, return to this prompt and you'll be ready to start using snyk.

If you can't wait use this url: https://app.snyk.io/login?token=095f4387-3174-425e-a37e-9694bd33391b&utm_medium=cli&utm_source=cli&utm_campaign=cli&utm_campaign_content=1.1293.1&os=windows_nt&docker=false

Your account has been authenticated. Snyk is now ready to be used.

C:\Users\xuanp>
```

How to use Snyk in your project

Here I have a project of mine that I open up but you can do this in any of your projects

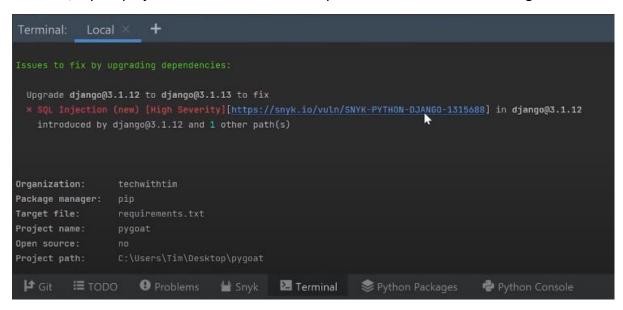
Now in your project, open the terminal and type in

snyk test

```
| Section | Sect
```

It will run through your project and find any vulnerabilities, in my case, I have no vulnerabilities

However, if your project does have a vulnerability then it would show something like this:



Source: https://www.youtube.com/watch?v=1N6VBHMoPsw&t=60s

Then you follow the instructions that its given

For a full installation and detailed guide/uses, I recommend watching this video, it shows every step from installation to advanced commands.

Video link: https://www.youtube.com/watch?v=1N6VBHMoPsw&t=60s