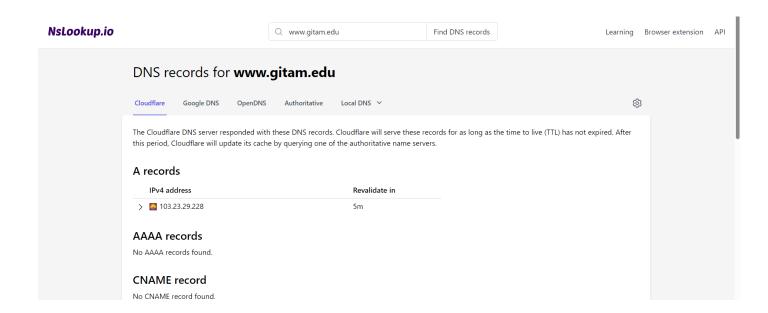
TASK 5 (04-09-23)

Overview of the assignment: Select any website and collect footprint reconnaissance information about it . Do passive reconnaissance . (nslookup.io , nessus and shodan)

What is nslookup.io?

nslookup is a network administration command-line tool for querying the Domain Name System to obtain the mapping between domain name and IP address, or other DNS records. It stands for "Name Server Lookup." This tool is available on various operating systems, including Windows, macOS, and Linux.

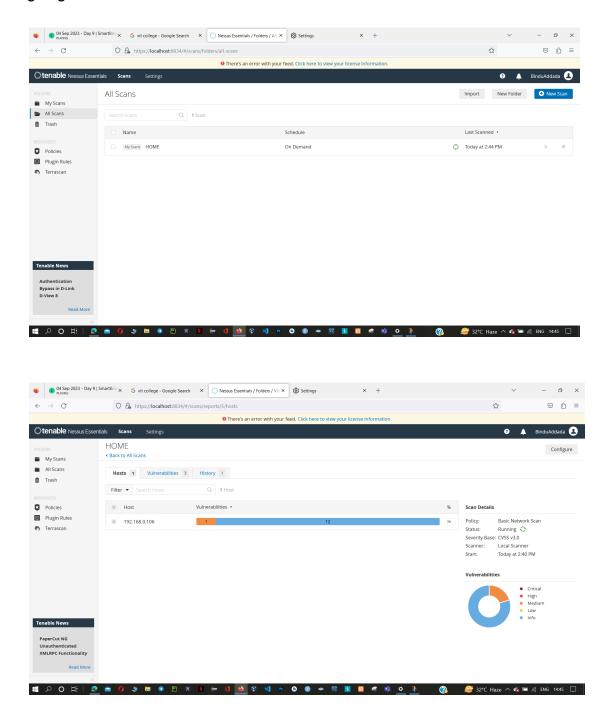


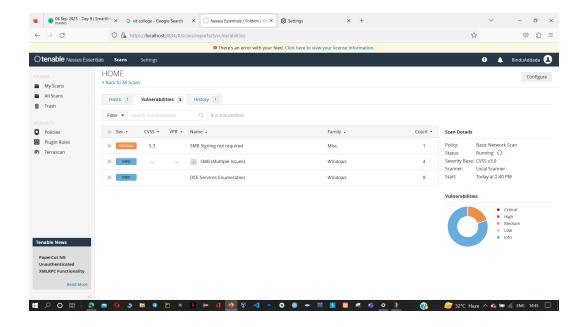
Here I am using the nslookup to find out the ip address associated with the website, which will help us further in gathering the information about the network.

What is NESSUS?

Nessus is a popular and widely used vulnerability scanning tool. It is designed to identify vulnerabilities, misconfigurations, and security issues in computer systems and networks. Nessus is commonly employed by security professionals, penetration testers, and system administrators to assess the security posture of their systems and networks.

Here I will be scanning my home network to show how nessus produces a scan and I am going for a basic network scan



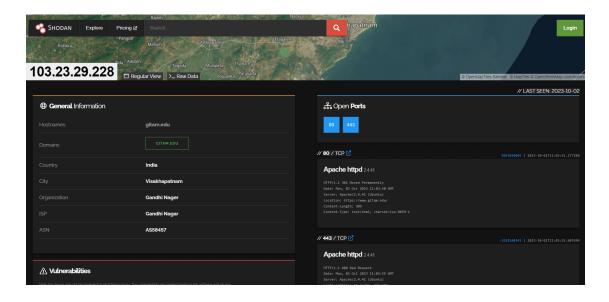


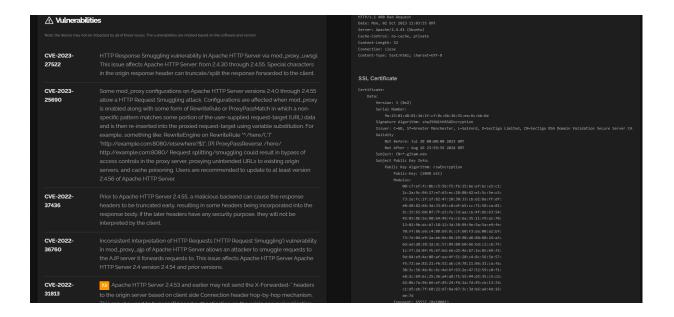
What is SHODAN?

This is another website that can be used to check the open ports on different IP addresses. It takes an ip address as the input and gives information about that website.

Shodan is a search engine designed to find and index internet-connected devices and systems. It's often referred to as the "search engine for hackers" because it can be used to discover devices and services that may have security vulnerabilities

Here is an example of information we could get by using the shodan: (I will be using gitam.edu ip address we attained through the nslookup)





Through SHODAN we can see the ports that are currently open and possible vulnerabilities that could be exploited. It doesn't however provide the information about the service at times and it only shows the open ports.

Example of a website which might be vulnerable to attacks because of too many open ports :

