Exploring tools in Kali Linux

N-Map:

Nmap, short for "Network Mapper," is a powerful network scanning tool used to discover and analyze devices and services on a network. It sends packets to target devices and interprets their responses to create a map of what's running on the network, including open ports, operating systems, and services, which can be valuable for network administrators and security professionals.

Using on vit.ac.in:

```
File Actions Edit View Help

--send-eth/--send-ip: Send using raw ethernet frames or IP packets
--privileged: Assume that the user is fully privileged
--unprivileged: Assume the user lacks raw socket privileges
-V: Print version number
-h: Print this help summary page.

EXAMPLES:
nmap -v -A scanme.nmap.org
nmap -v -sn 192.168.0.0/16 10.0.0.0/8
nmap -v -iR 10000 -Pn -p 80

SEE THE MAN PAGE (https://nmap.org/book/man.html) FOR MORE OPTIONS AND EXAMPL

ES

(kali@ kali)-[~]
$ nmap vit.ac.in

Starting Nmap 7.94 ( https://nmap.org ) at 2023-09-06 00:03 IST
Nmap scan report for vit.ac.in (136.233.9.13)
Host is up (0.069s latency).

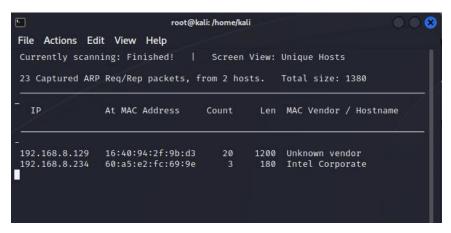
Other addresses for vit.ac.in (not scanned): 64:ff9b::88e9:90d
Not shown: 997 filtered tcp ports (no-response)

PORT STATE SERVICE
25/tcp open smtp
80/tcp open http
443/tcp open https

Nmap done: 1 IP address (1 host up) scanned in 25.30 seconds
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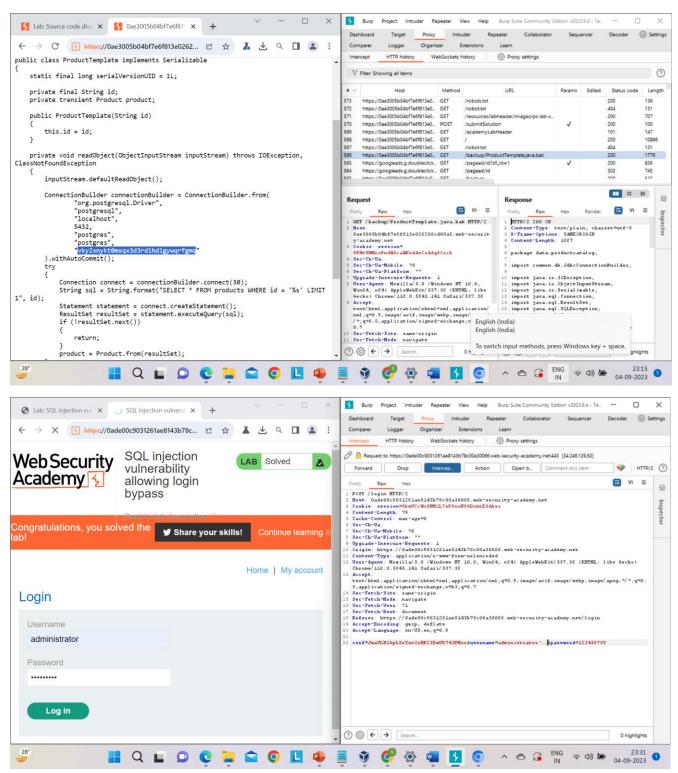
Netdiscover:

Netdiscover is a simple network scanning tool designed to help beginners find devices on a local network. It works by sending ARP (Address Resolution Protocol) requests to discover devices and their corresponding IP and MAC addresses. Netdiscover is often used for basic network reconnaissance and can be useful for identifying devices and their network configurations in a local area network (LAN).



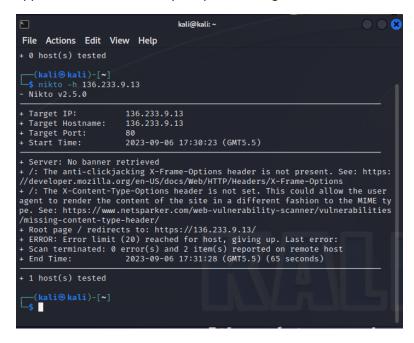
Burpsuite:

Burp Suite is a comprehensive web application security testing tool used by security professionals and ethical hackers. It helps identify vulnerabilities in web applications by intercepting and analyzing web traffic, performing scans, and allowing users to manipulate requests and responses. Burp Suite assists in finding and fixing security issues like cross-site scripting (XSS) and SQL injection, making web applications more secure.



Nikto

Nikto is an open-source web server scanner used for assessing the security of web servers and identifying potential vulnerabilities. It does this by sending various HTTP requests and inspecting the server's responses, looking for known security issues, misconfigurations, and potential risks such as outdated software or exposed directories. Nikto is commonly used by security professionals to perform quick security assessments of web servers and web applications to ensure they are protected against common web-based threats.



Hping3

Hping3 is a command-line tool used for network exploration and security auditing. It enables users to craft and send custom packets to target hosts, making it a versatile utility for tasks like network scanning, ping testing, and firewall testing. Hping3 can be used to test network behavior, discover open ports, and assess network security by sending specially crafted packets to a target and analyzing the responses, making it a valuable tool for network administrators and security professionals.