(1)INTRODUCTION

In this project we are going to know about several security tools and how to use it.Every tools that we are going to use vary in its uses and steps to follow.Some may be compatible in windows or other may be in linux.

We will be using the tools that are mentioned below :

Sam spade

Shodan.io

Nmap

Nessus

Dumpsec

Metasploit

Hiren boot

JPS & Delme Virus maker

Burpsuite

(2) SAM SPADE TOOL

Sam Spade is a general-purpose Internet utility package, with some extra features to help in tracing the source of spam and other forms of Internet harassment.

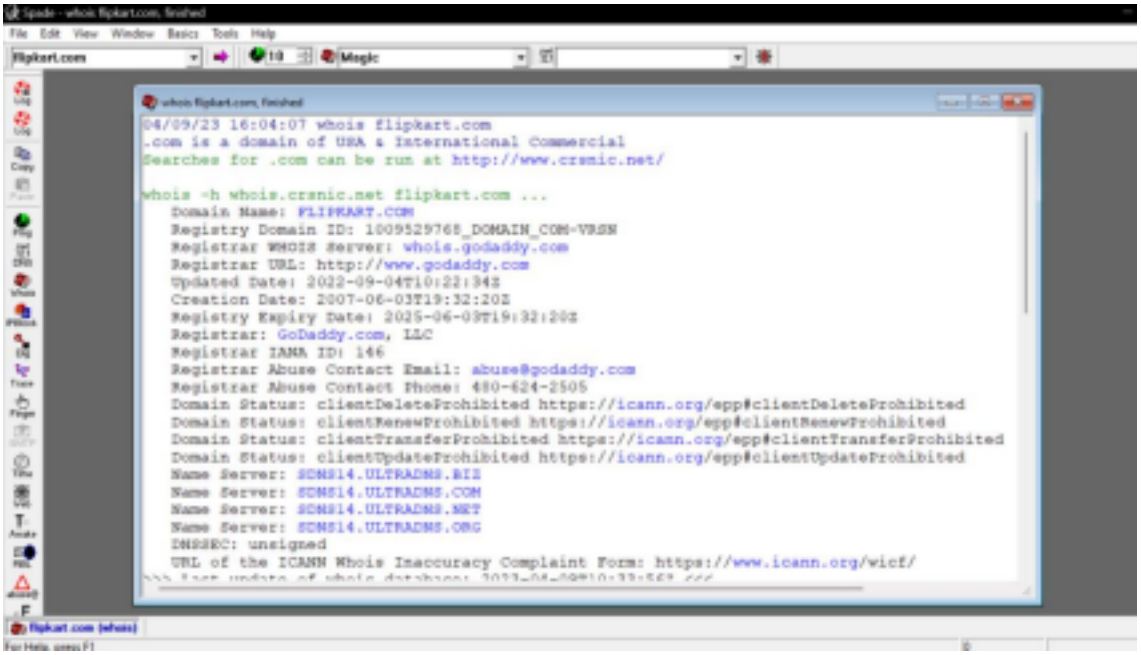
It takes a hostname or an IP address, guesses at the domain name, and then runs some Whois queries to find out who owns the domain and the block of IP addresses it lives in, and traces the route packets take to the host. It's slow, crufty, returns less information and has more bugs than the newer tools, but it's still handy to have around.

Systems and security administrators have a number of useful tools at their disposal to obtain information about computers attached to other networks on the Internet, as well as information about the Internet itself. Ping, traceroute, whois and nslookup are among the essential utilities for even rudimentary maintenance and testing. But the native Windows environment includes only a few of these tools and they are, by and large, individual command line utilities and one has to go to third parties to obtain many of the missing utilities. Sam Spade is a nice piece of software that combines many of these common tools.

Sam Spade Tool is compatible only in Windows 10 / 8 / 7 / Vista / XP.

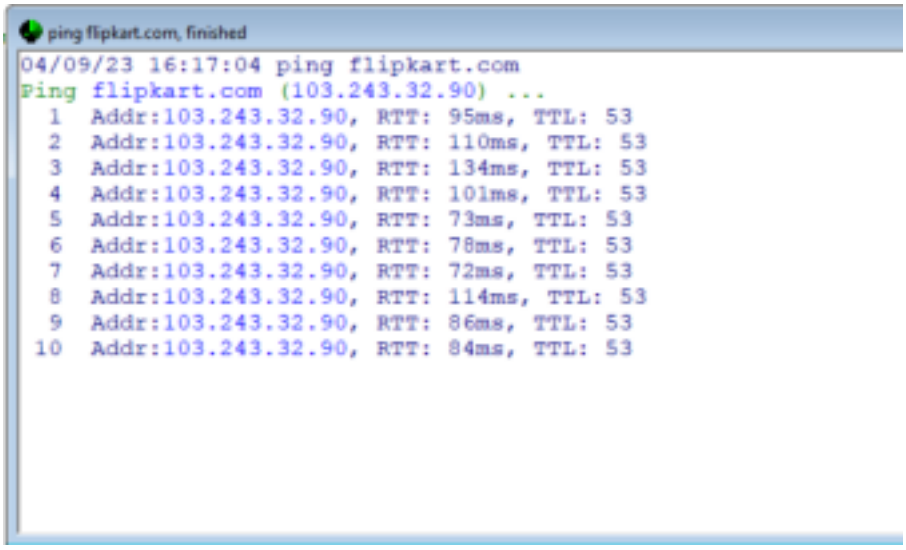
- For getting the informations about the domain name,we have to enter the domain name in the search bar on the top left side and click on enter.Here we are taking **flipkart.com** as the domain

name.



From the screenshot,we can see the whois information about the domain name.

- If we want the ping results,simply click on the ping tool on the leftside toolbar without clearing the domain name from the search bar.



- Below the ping button,there is a DNS button.Click on that to get the ip address of the domain name.

- For doing trace route click on the **trace** button on the toolbox