

PROFESSIONAL TRAINING REPORT at Sathyabama Institute of Science and Technology (Deemed to be University)

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Engineering Degree in Information Technology

By

**M.Karthik Reddy
REG. NO. 39120051**



DEPARTMENT OF Information Technology

SCHOOL OF COMPUTING

**SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI – 600119,
TAMILNADU**

MARCH 2022



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)



Accredited with Grade “A” by NAAC

(Established under Section 3 of UGC Act, 1956)

JEPPIAAR NAGAR, RAJIV GANDHI SALAI

CHENNAI– 600119

www.sathyabama.ac.in

DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of M.Karthik Reddy
(Reg. no: 39120051) who carried out the project entitled “**Gather Employee’s
Information using the Harvester**” under my supervision from March 2022 to
April 2022.

Internal Guide

Dr. Ajitha ponnupillai

Head of the Department

Dr. R. Subhashani,M.E.,ph.D

Submitted for Viva voce Examination held on _____

InternalExaminer

ExternalExaminer

DECLARATION

I, M.Karthik Reddy hereby declare that the project report entitled **Gather Employee's Information using the Harvester** done by me under the guidance of Dr. Ajitha ponnupillai, is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering Degree in Information Technology.

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management** of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. R. Subhashani**, M.E., ph.D., **Heads of the Department of Computer Science and Engineering** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **Dr. Ajitha ponnupillai**, for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Information Technology** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE

 **ZYBEAK TECHNOLOGIES PVT. LTD.**
CYBERSECURITY - VIRTUALIZATION

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO:

M.KARTHIKREDDY

for successful completion of the online course
"Ethical Hacking Fundamentals" in association with "PRIDE-SIST"
from Mar 7, 2022 to Mar 26, 2022



MANAGING DIRECTOR,
ZYBEAK TECHNOLOGIES PVT. LTD.

07/04/2022
DATE

CREDENTIAL ID: **ZBK22EHF10118**

CLASS
OF
2022

ABSTRACT

Ethical Hacking is a process of detecting Vulnerabilities in an application, system, organization's infrastructure that an attacker can use to exploit an individual or organization. They use this process to prevent Cyberattacks and security breaches by lawfully hacking into the systems and looking for weak points.

A Gather Employee's Information Using the Harvester helps to find and gather all emails addresses, subdomains, hosts, ports, employee names, and banners that can provide sensitive information about the target.

The objective of this Information Gathering Tool is to gather emails, subdomains, hosts, employee names, open ports and banners from different public sources like search engines, PGP key servers, and SHODAN computer database

TABLE OF CONTENTS

CHAPTER No.	TITLE	PAGE No
	ABSTRACT	i
1.	INTRODUCTION	1
2.	AIM AND SCOPE OF THE PRESENT INVESTIGATION	3
	2.1 Aim of the project	
	2.2 Scope of the project	3
	2.3 Accessibility of the project. 2.4. Gather Employee's Information using TheHarvester	
3.	MATERIALS AND METHODS, ALGORITHMS USED	7
	3.1 Software Required	
	3.1.1 <i>VirtualBox</i>	
	3.1.2 <i>Kali Linux</i>	
	3.1.3 <i>TheHarvester</i>	
	3.2 Hardware Required	
	3.2.1 Hard Disk	
	3.2.2 RAM	
	3.2.3 Processor	
	3.2.4 Mouse	
	3.2.5 Keyboard	
	3.2.6 Speaker	
	3.3 Algorithm	
4.	RESULTS AND DISCUSSION, PERFORMANCE ANALYSIS	
	4.1 Result and discussion	
	4.2 Performance	
	4.3 Screen shots	
5	SUMMARY AND CONCLUSIONS	10
	REFERENCES	12
6	SCREENSHOTS	

INTRODUCTION

1,1 ABOUT THE CONCEPT

A Gather Employee's Information Using the Harvester helps to find and gather all emails addresses, subdomains, hosts, ports, employee names, and banners that can provide sensitive information about the target. But the unique part is that Harvester doesn't use any advanced algorithms to crack passwords, test firewalls, or sniff data on networks. Instead, it gathers public information available on the internet automatically. An excellent tool to use in reconnaissance is The Harvester.

The Harvester is a simple but highly effective Python script written by Christian Martorella at Edge Security. This tool allows us to quickly and accurately catalog both e-mail addresses and subdomains that are directly related to our target

The Harvester can be used to search Google, Bing, and PGP servers for e-mails, hosts, and subdomains.

The tool is designed to help the penetration tester on an earlier stage; it is effective to, simple and easy to use. The sources supported are:

1. Google - emails, subdomains.
2. Google profiles - Employee names.
3. Bing Search - emails, subdomains/hostnames, virtual hosts.
4. Pgp Servers - Emails, subdomains/hostnames.
5. Linkedin - Employee names
6. Exalead – emails, subdomains/hostnames.

AIM AND SCOPE OF THE PRESENT INVESTIGATION

2.1 Aim of the project

A Gather Employee's Information Using the Harvester helps to find and gather all emails addresses, subdomains, hosts, ports, employee names, and banners that can provide sensitive information about the target. But the unique part is that Harvester doesn't use any advanced algorithms to crack passwords, test firewalls, or sniff data on networks..

2.2 Scope of the project

The Harvester can be used to search Google, Bing, and PGP servers for e-mails, hosts, and subdomains. • It can also search LinkedIn for user names. Most people assume their e-mail address is benign. We have already discussed the dangers of posting to public forums using your corporate e-mail address; however, there are additional hazards you should be aware of. Let us assume during your reconnaissance you discover the e-mail address of an employee from your target organization.

2.3 ACCESSIBILITY

The Harvester can be found at code.google.com/p/theharvester and is a fairly uncomplicated Python script. If you are running Linux or OSX, you likely already have Python. If you are running Windows, you may have to install it yourself. Installing Python on your system, if it is not already there, is outside the scope of this book—search for instructions specific to your operating system. Once that's done, you can run the Harvester against a target domain with ease.

2.4 GATHER EMPLOYEE'S INFORMATION USING THE HARVESTER

A Gather Employee's Information Using the Harvester helps to find and gather all emails addresses, subdomains, hosts, ports, employee names, and

banners that can provide sensitive information about the target. But the unique part is that Harvester doesn't use any advanced algorithms to crack passwords, test firewalls, or sniff data on networks.

CHAPTER 3

MATERIALS AND METHODS, ALGORITHMS USED

3.1 SOFTWARE REQUIREMENT

- Vm ware/virtualbox
- Kali linux
- Harvester tools

3.1.1 THE HARVESTER

The Harvester is a simple but highly effective Python script written by Christian Martorella at Edge Security. This tool allows us to quickly and accurately catalog both e-mail addresses and subdomains that are directly related to our target.

It is important to always use the latest version of the Harvester as many search engines regularly update and change their systems. Even subtle changes to a search engine's behavior can render automated tools ineffective. In some cases, search engines will actually filter the results before returning information to you. Many search engines also employ throttling techniques that will attempt to prevent you from running automated searches.

The Harvester can be used to search Google, Bing, and PGP servers for e-mails, hosts, and subdomains. It can also search LinkedIn for user names. Most people assume their e-mail address is benign. We have already discussed the dangers of posting to public forums using your corporate e-mail address; however, there are additional hazards you should be aware of. Let us assume during your reconnaissance you discover the e-mail address of an employee from your target organization. By twisting and manipulating the information before the “@” symbol, we should be able to create a series of potential network usernames. It is not uncommon for organizations to use the exact same user names and e-mail addresses (before the “@” symbol). With a handful of prospective usernames, we can attempt to brute force our way into any services, like SSH, VPNs, or FTP, that we (will) discover during the next step 2 (scanning).

The Harvester is built into Backtrack. To access the Harvester, use the following steps:

1. Click on the KStart dragon, located in the lower left corner of your screen.
- 2.Highlight “Backtrack” at the top of the menu.
- 3.Highlight “Information Gathering.”
- 4.Highlight “All.”
- 5.Select “TheHarvester” (note, tools are listed in alphabetical order).

```

root@test-kalbox:~# theharvester -h
*****
*
*
* TheHarvester Ver. 2.6
* Coded by Christian Martorella
* Edge-Security Research
* cmartorella@edge-security.com
*****

Usage: theharvester options

-d: Domain to search or company name
-b: data source: google, googleCSE, bing, bingapi, pgp
    linkedin, google-profiles, people123, jigsaw,
    twitter, googleplus, all

-s: Start in result number X (default: 0)
-v: Verify host name via dns resolution and search for virtual hosts
-f: Save the results into an HTML and XML file
-n: Perform a DNS reverse query on all ranges discovered
-c: Perform a DNS brute force for the domain name
-t: Perform a DNS TLD expansion discovery
-e: Use this DNS server
-l: Limit the number of results to work with(bing goes from 50 to 50 results,
-h: use SHODAN database to query discovered hosts
    google 100 to 100, and pgp doesn't use this option)

Examples:
    theharvester -d microsoft.com -l 500 -b google
    theharvester -d microsoft.com -b pgp

```

3.1.2 Vm Ware/Virtual Box:-

VirtualBox is a powerful x86 and AMD64/Intel64 [virtualization](#) product for enterprise as well as home use. Not only is VirtualBox an extremely feature rich, high performance product for enterprise customers, it is also the only professional solution that is freely available as Open Source Software under the terms of the GNU General Public License (GPL) version 2. See "[About VirtualBox](#)" for an introduction.

Presently, VirtualBox runs on Windows, Linux, Macintosh, and Solaris hosts and supports a large number of [guest operating systems](#) including but not limited to Windows (NT 4.0, 2000, XP, Server 2003, Vista, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms it runs on. VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.



3.1.3 Kali Linux:- **Kali Linux** is a Debian-derived Linux distribution designed for digital forensics and penetration testing. It is maintained and funded by Offensive Security.

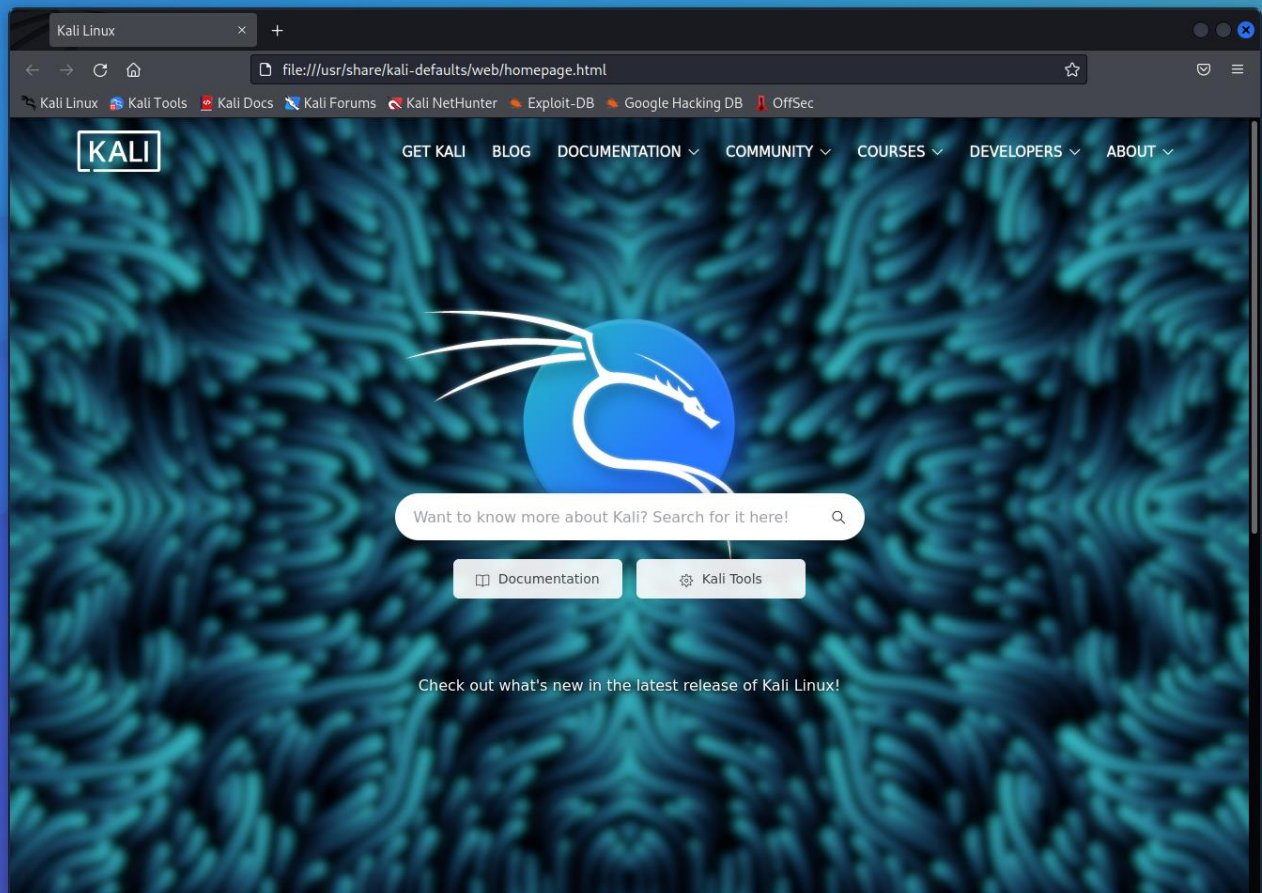
Kali Linux has around 600 penetration-testing programs (tools), including Armitage (a graphical cyber attack management tool), Nmap (a port scanner), Wireshark (a packet analyzer), metasploit (penetration testing framework), John the Ripper (a password cracker), sqlmap (automatic SQL injection and database takeover tool), Aircrack-ng (a software suite for penetration-testing wireless LANs), Burp suite and OWASP ZAP web application security scanners, etc.

It was developed by Mati Aharoni and Devon Kearns of Offensive Security through the rewrite of BackTrack, their previous information security testing Linux distribution based on Knoppix. Originally, it was designed with a focus on kernel auditing, from which it got its name **Kernel Auditing Linux**. The name is sometimes incorrectly assumed to come from Kali the Hindu goddess. The third core developer, Raphaël Hertzog, joined them as a Debian expert.

Kali Linux is based on the Debian *Testing* branch. Most packages Kali uses are imported from the Debian repositories.

Kali Linux's popularity grew when it was featured in multiple episodes of the TV series *Mr. Robot*. Tools highlighted in the show and provided by Kali Linux include Bluesniff, Bluetooth Scanner (btscanner), John the Ripper, Metasploit Framework, Nmap, Shellshock, and Wget.

The tagline of Kali Linux and BackTrack is "the quieter you become, the more you are able to hear", which is displayed on some backgrounds.





3.2 Hardware Requirement:-

- Hard Disk
- RAM – 4 GB
- Processor – Dual Core or Above
- Mouse
- Keyboard
- Monitor
- Speak

Fig 3.2.1HARD DISK

A hard disk or fixed disk, is an electro-mechanical data storage device that uses magnetic storage to store and retrieve digital information using one or more rigid rapidly rotating disks (platters) coated with magnetic material.

During the mid-1990s the typical hard disk drive for a PC had a capacity of about 1 gigabyte. As of January 2019, desktop hard disk drives typically had a capacity of 1 to 6 terabytes, with the largest-capacity drives reaching 15 terabytes.

3.2.2 RAM:

Random access memory (RAM) is a type of data storage used in computers that is generally located on the motherboard. This type of memory is volatile and all information that was stored in RAM is lost when the computer is turned off.

The RAM chip may be individually mounted on the motherboard or in sets of several chips on a small board connected to the motherboard. Older memory types were in the form of chips called dual in-line package (DIP). Although DIP chips are still used today, the majority of memory is in the form of a module, a narrow printed circuit board attached to a connector on the motherboard. The three main memory circuit boards types containing chips are: RIMMs (Rambus in-line memory modules), DIMMs (dual in-line memory modules) and SIMMs (single in-line memory modules). Most motherboards today use

DIMMs. Sometimes, people get confused about the difference between memory and storage, in part because both can be measured in megabytes (MB), gigabytes (GB) and terabytes (TB).

By contrast, storage is slower, but it can retain data when the device is powered down. So, for example, if a document has been saved to a hard drive prior to a power outage or system crash, the user will still be able to retrieve it when the system is back up and running.

3.2.3 Processor

A processor is an integrated electronic circuit that performs the calculations that run a computer. A processor performs arithmetical, logical, input/output (I/O) and other basic instructions that are passed from an operating system (OS). Most other processes are dependent on the operations of a processor.

Dual core is a CPU that has two distinct processors that work simultaneously in the same integrated circuit. This type of processor can function as efficiently as a single processor but can perform operations up to twice as quickly.

3.2.4 Mouse

A mouse is a small handheld input device that controls a computer screen's cursor or pointer in conjunction with the way it is moved on a flat surface. The mouse term name originates from its likeness to a small, corded and elliptical shaped device that looks like a mouse tail.

Some mouse devices have integrated features, such as extra buttons that may be programmed and assigned with different commands.

Because the mouse reduces the use of a keyboard, its invention and continuous innovation is considered one of the most important breakthroughs in computer ergonomics.

3.2.5 Keyboard

A computer keyboard is an input device used to enter characters and functions into the computer system by pressing buttons, or keys. It is the primary device used to enter text. A keyboard typically contains keys for individual letters, numbers and special characters, as well as keys for specific functions. A keyboard is connected to a computer system using a cable or a wireless connection.

A computer keyboard is an input device used to enter characters and functions into the computer system by pressing buttons, or keys. It is the primary device used to enter text. A keyboard typically contains keys for individual letters, numbers and special characters, as well as keys for specific functions.

3.2.6 Monitor

A computer monitor is an electronic device that shows pictures for computers. Monitors often look similar to televisions. The main difference between a monitor and a television is that a monitor does not have a television tuner to change channels. Monitors often have higher display resolution than televisions. The advent of display technology has paved the way for the continuous evolution of the monitor, whether it's for computers, television, mobile devices or any device that has a display. The current contenders for top-tier technology being used for display devices includes Super LCD 3 (SLCD3) and Super AMOLED. It should be noted that LED displays are actually just a kind of LCD display that use LED lights as backlight illumination.

3.2.7 Speaker

Most Important Speaker is required for this project because when we enter any alphabetical word or paragraph it convert it into sound which will come through the speaker of the system.

CHAPTER-4 RESULTS AND DISCUSSION, PERFORMANCE ANALYSIS

4.1 Final result & Discussion

- During the course of this research it was realized that Information Gathering through the harvester helps to get the email-id, Ip address, hostname domain and subdomain of any organization employee Information and the data related to them.
- Gather Employee's Information using theHarvester helps the attacker to attack the device and help him to gain the access over the device. One cannot enter in some other device without his legal permission. Ethical Hacking teaches us to protect our device from the unauthorized user. TheHarvester takes the information of the Employee's of any organisation and use it against the organization for their benefits.

Figure 3.1 shows the application searching option

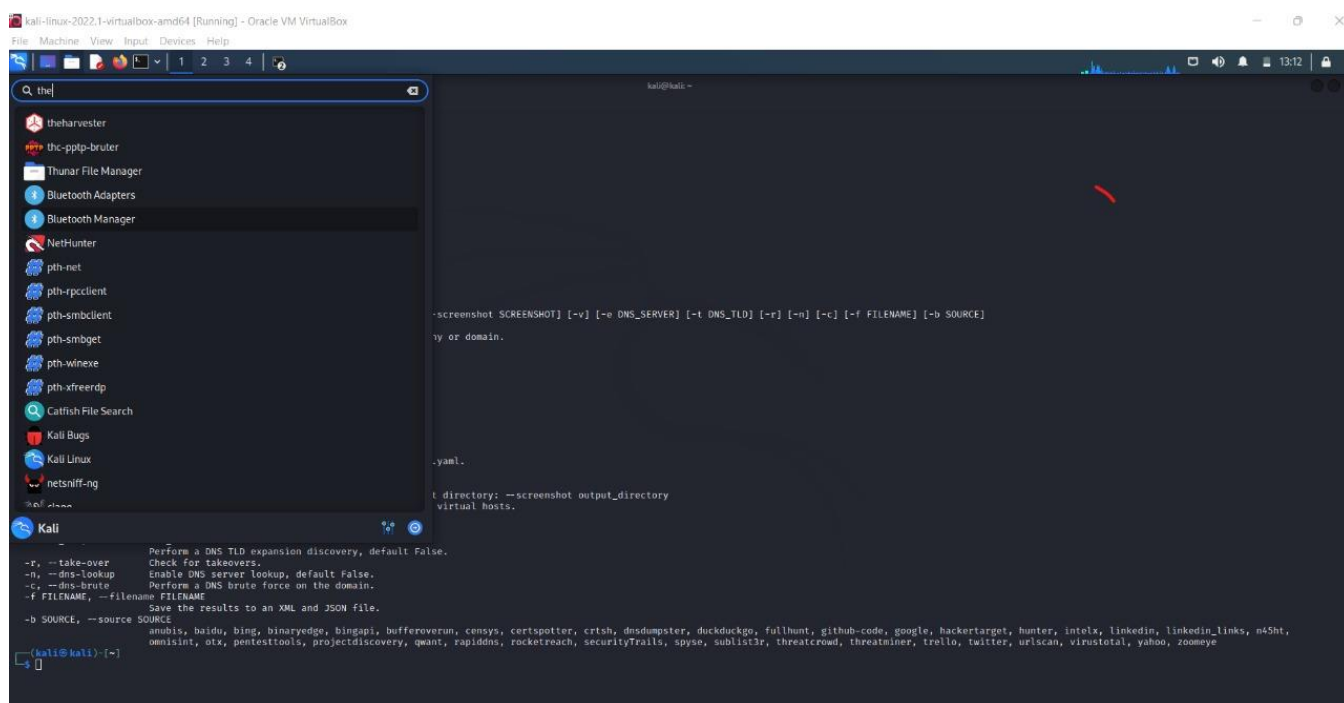


Figure 3.2 shows the application searching option

```
File Actions Edit View Help
-b SOURCE, --source SOURCE
anubis, baidu, Bing, binaryedge, BingAPI, bufferoverrun, censys, certspotter, crlsh, dnsdumpster, duckduckgo, fullhunt, github-code, google, hackertarget, hunter, intel, linkedin, linkedin_links, n4sh,
omnisint, otx, pentesttools, projectdiscovery, qwant, rapidns, rocketreach, securitytrails, spyse, sublist3r, threatcrowd, threatminer, trello, twitter, urlscan, virustotal, yahoo, zoomeye

kali@kali:~$ theHarvester -d www.sathyabama.ac.in -l 100 -b linkedin

*****
* theHarvester 4.0.3                                     *
* Coded by Christian Martorella                           *
* Edge-Security Research                                 *
* cmartorella@edge-security.com                          *
*****

[*] Target: www.sathyabama.ac.in
[*] Searching 100 results.
[*] Searching LinkedIn.
[*] LinkedIn Users found: 44

AMIT KUMAR - Scientist C
Afiya M - Sathyabama University
Ajitha P - Associate Professor
Akshaya K
Anurag Kumar - AKON GROUP OF INDUSTRIES
BALAJI GANESH
Bharath Reddy - Sathyabama University
Deepika S - Sathyabama University
Dharma Teja Lakku
Dr. Sivasubramanian Meenakshisundaram
Dr. A.C. Santha Sheela - Associate
Dr. Arun J - Research Scientist
Dr. Booma Devi P - Sathyabama University
Dr. Jesudoss A - Sathyabama University
Dr. John Bruce - Sathyabama University
Dr. Anderson A - Professor
Dr. Kishore Sonti - Associate Professor
Dr. M. sangeetha - Assistant Professor
Dr. Subhashini Radhakrishnan
Geetha Priya - Sathyabama University
Hiral Jariwala - Engineering Manager
Jabez J - Assistant Professor
Janahan K - Sathyabama University
Keerthana Ac
```

```
File Actions Edit View Help
Akshaya K
Anurag Kumar - AKON GROUP OF INDUSTRIES
BALAJI GANESH
Bharath Reddy - Sathyabama University
Deepika S - Sathyabama University
Dharma Teja Lakku
Dr. Sivasubramanian Meenakshisundaram
Dr. A.C. Santha Sheela - Associate
Dr. Arun J - Research Scientist
Dr. Booma Devi P - Sathyabama University
Dr. Jesudoss A - Sathyabama University
Dr. John Bruce - Sathyabama University
Dr. Anderson A - Professor
Dr. Kishore Sonti - Associate Professor
Dr. M. sangeetha - Assistant Professor
Dr. Subhashini Radhakrishnan
Geetha Priya - Sathyabama University
Hiral Jariwala - Engineering Manager
Jabez J - Assistant Professor
Janahan K - Sathyabama University
Keerthana Ac
Kevin Chris
Murugan S - Associate Professor
Narasimham Teladevalapalli
Narendrakumar G - Project Post Doc Fellow
P. Grace Kanmani
Prathy Usha
Priya Sathish
Project Team - Employer
RISHYANIM SAI KUMAR M
Rizwan Syed - Sathyabama University
SATHYA M
Sankaranarayanan Murugan - Professor
Sarath Chandra
VISHANTHAN SHREE R
View Murugan S
Vijay M - Sathyabama University
Vinod Yakati - Adjunct Researcher - Hanyang University
VivekChowdary Nagalla - Sathyabama University
viveditha Ramachandran - Digital marketing
varshith ac - Sathyabama University

[*] No IPs found.
[*] No emails found.
[*] No hosts found.

kali@kali:~$
```

```
kali-linux-2022.1-virtualbox-amd64 (Running) - Oracle VM VirtualBox
File Machine View Input Devices Help

kali@kali:~$ theHarvester -d www.sathyabama.ac.in -l 50 -b google

*****
theHarvester
*****
+ theHarvester 4.0.3
+ Coded by Christian Martorella
+ Edge Security Research
+ cmartorell@edge-security.com
*****

[*] Target: www.sathyabama.ac.in
[*] Searching @ results.
[*] Searching Google.
[*] No IPs found.
[*] Emails found: 4
chancellor@sathyabama.ac.in
entranceexam@sathyabama.ac.in
luc@sathyabama.ac.in
registrar@sathyabama.ac.in
[*] No hosts found.

kali@kali:~$
```

```
kali@kali:~$ theHarvester -d www.wipro.com -l 100 -b linkedin

*****
theHarvester
*****
+ theHarvester 4.0.3
+ Coded by Christian Martorella
+ Edge Security Research
+ cmartorell@edge-security.com
*****

[*] Target: www.wipro.com
[*] Searching 100 results.
[*] Searching LinkedIn.
[*] LinkedIn Users found: 99
ASHOKA GURUJALA - Manager Recruitment
Aanchal Karmal - Project Engineer
Abarna A - at Wipro Technologies
Abhishek Kumar Gupta - IT Analyst
Ajit Kumar - Project Engineer
Aarendra dhanekula - Talent Acquisition Europe
Amit Gupta - Salesforce Delivery Head
Amok Jain - Head of Demand Generation
Anirban Ghosh - Global Head - Wipro Limited
Anjali Sinha - HR
Ashish Sharma - Head Sales
Atul Bansal - Delivery Head
Atul Kapur - Vice President at Wipro Limited
Benoy Saha - Technical Leader
Sharat Shetty
Shargavi Virumala - Partner
Rishanjit Panda - Lead Consultant
Brij Gupta - Tech Lead
Brijesh Pandey - Business Analyst
CS Alok Mishra - .
Dattatreya Balakrishna - Network Engineer
Debasis Das - Associate Vice President
Deepak Agarwal - Cluster Head - Consumer Business
Deevi Dhanu Kiran - Practice Manager
Dipoojmal Ghosh - Principal Consultant
Gopalkrishnan Iyer
```

Here we are using -d, -l, -b flags

- d flag is used to search domain names, the official docs also say that you can even enter company name instead of the domain name. But entering domain name works great.
- l flag Limits the number of results to work with (bing goes from 50 to 50 results, google 100 to 100, and PGP doesn't use this option).
- b flag is used as a data source like from where to query the data in our case we used google, bing, yahoo, and DuckDuckGo. You might use Baidu, Linkedin, or maybe Twitter (we will use these two in the next section).

```
File Actions Edit View Help
kali@kali: ~
[~(kali@kali)-[~]
└─$ theHarvester -d www.wipro.com -i 100 -b linkedin

*****
* theHarvester 4.0.3
* Coded by Christian Martorella
* Edge-Security Research
* cmartorell@edge-security.com
*****

[*] Target: www.wipro.com
[*] Searching 100 results.
[*] Searching LinkedIn.
[*] LinkedIn Users found: 99

ASHOKA GURUJALA - Manager Recruitment
Aanchal Karnwal - Project Engineer
Abarna A - at wipro Technologies
Abhishek Kumar Gupta - IT Analyst
Ajit Kumar - Project Engineer
Aarendra dhaneaula - Talent Acquisition Europe
Amit Gupta - Salesforce Delivery Head
Amok Jain - Head of Demand Generation
Anishan Ghosh - Global Head - Wipro Limited
Anjali Sinha - HR
Aushish Sharma - Head Sales
Atul Bansal - Delivery Head
Atul Kapur - Vice President at Wipro Limited
Benooy Saha - Technical Leader
Bharat Shetty
Shargavi Hirumala - Partner
Bighnajiit Panda - Lead Consultant
Brij Gupta - Tech Lead
Brijesh Pandey - Business Analyst
CS Alok Mishra - .
Dattatreya Balamkar - Network Engineer
Dobasis Das - Associate Vice President
Deepak Agarwal - Cluster Head - Consumer Business
Deevi Dhanu kiran - Practice Manager
Dipoojwal Ghosh - Principal Consultant
Gopalkrishnan Tyer

Rakesh Sharma - High Tech Industry - Wipro Limited
Ramesh Raj - System Engineer
RamyaSneha Gorantla - Sr. Software Engineer
Rashan Singh - Project Manager
Ravi Bubkiya - Business Analyst
Rashan Kumar - Engineer-Network Management
SUMITA DAS - Senior Executive Talent Acquisition
Sankar N. - Global Practice Head - Wipro Limited
Santhosh Kumar Madathil - IOT Practice
Saranan Murugesan - Project Manager
Saurabh Govil
Shadab Hussain
Shalini Sahay - software test engineer
Sheetal Gupta - SAP HR Consultant
Sid Mishra
Sowmya Krishnan - Project Engineer
Srinivasan MW - Techno Functional Consultant
Sumbla Khan - Trainee
Swapna Vallabhaneeni - Project Engineer
Tammy Mukherjee
Tarun Kumar Singh - Sr. Manager
Tony Buffomante - Senior Vice President
VN Raju Pennematta - Project Engineer
VIRUKONDA SAT PRAKASH - Software Developer
Varun Devalla - Sr Network Administrator
Vasudevan Muthusamy Rathinam - Test Lead
Venua Mogali - Sr HR Executive
Venkatesh Sambandan - Operations Manager
Venkatram Bevinahally - Delivery Head
Vijay Sinha Akula
Vijayanand Kari - Account Delivery Head
Vinoth P - Project Engineer
Vipul Mayank - Project Engineer
Virinchi Gurram
Zeeshan Anwar - Deputy Manager
Dhanu priya - Project Engineer
Krishikesh Jadhav - Assistant Manager
m prabu - asisstan engineer service
sivasankari sukumaran - Project Engineer
suresh mudaliar - Senior UI Designer
vinay kumar - Project Engineer

[*] No IPs found.
[*] No emails found.
[*] No hosts found.

[~(kali@kali)-[~]
└─$
```

4.2 PERFORMANCE

Gather Employee Information through the Harvester scan of Multiple Targets is a way in which attacker/hacker scan the full information of the device and gains access over the device. It tells the IP Address of the device,ports,subnets,etc of the device. It helps the attacker to determine what services may be running on the system.

CHAPTER-5

SUMMARY AND CONCLUSION:

Gather Employee Information through the Harvester scan of Multiple Targets is a way in which attacker/hacker scan the full information of the device and gains access over the device. It tells the IP Address of the device,ports,subnets,etc of the device. It helps the attacker to determine what services may be running on the system.

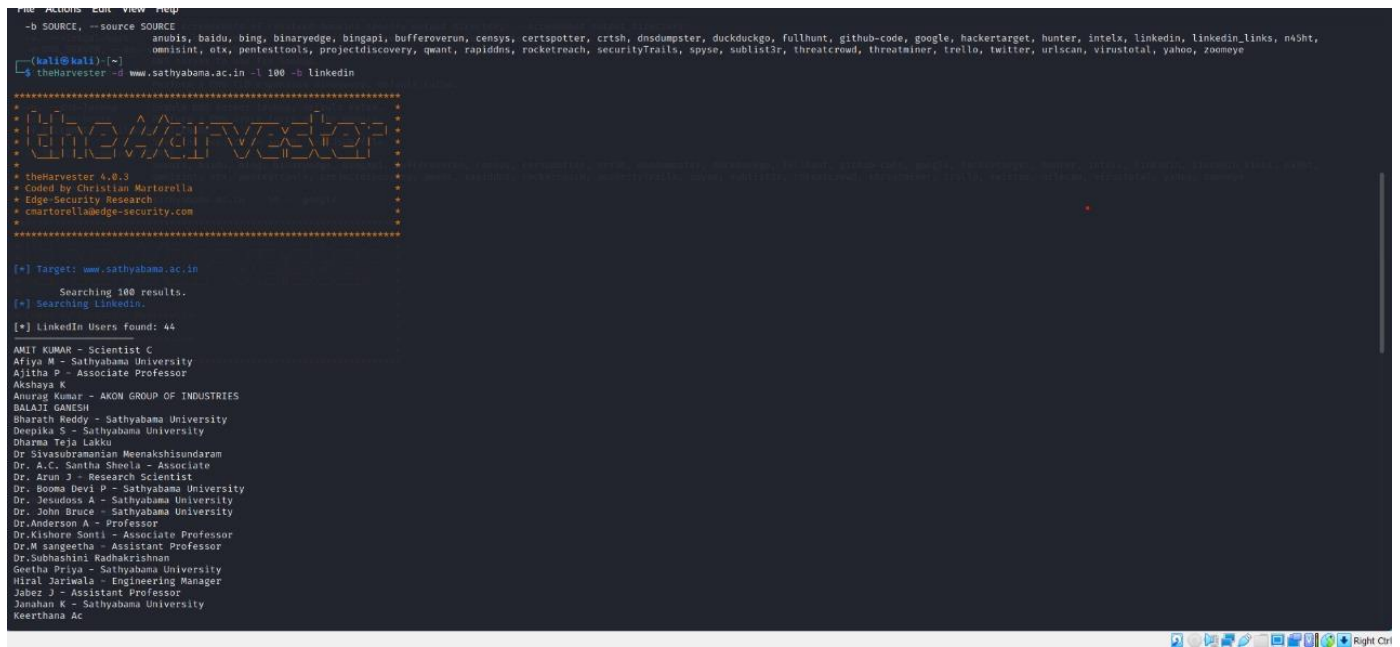
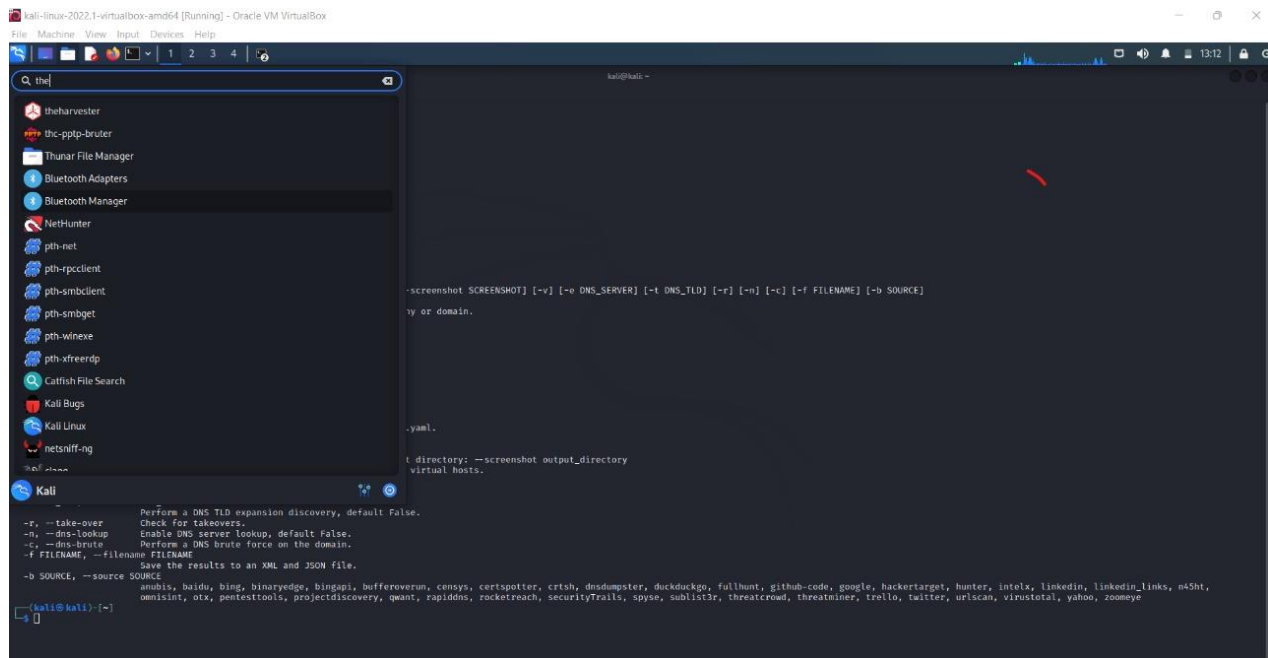
Gather Employee Information Through theHarvester is the simplest and most common method of Information Gathering. Experienced Attackers use this tool to gather the Information of the emails, IP Address and host name.

REFERENCES

1. www.google.com
2. www.geeksforgeeks.org
3. www.MastersinI.T.com
4. www.fortifysolutions.com
5. <http://www.youtube.com/user/thenewboston>

SCREENSHOTS:-





```

(kali@kali)-[~]
└─$ theHarvester -d www.geeksforgeeks.org -l 100 -b bing
*****
*
* theHarvester 4.0.3
* Coded by Christian Martorella
* Edge-Security Research
* cmartorella@edge-security.com
*
*****

[*] Target: www.geeksforgeeks.org
[*] Searching 0 results.
[*] Searching Bing.
[*] No IPs found.
[*] Emails found: 2
contribute@geeksforgeeks.org
feedback@geeksforgeeks.org
[*] No hosts found.

(kali@kali)-[~]
└─$

```

```

(kali@kali)-[~]
└─$ theHarvester -d www.wipro.com -l 100 -b linkedin
*****
*
* theHarvester 4.0.3
* Coded by Christian Martorella
* Edge-Security Research
* cmartorella@edge-security.com
*
*****

[*] Target: www.wipro.com
[*] Searching 100 results.
[*] Searching LinkedIn.
[*] LinkedIn Users found: 99

```

```

ASHOKA GURUJALA - Manager Recruitment
Aanchal Karnwal - Project Engineer
Abarna A - at Wipro Technologies
Abhishek Kumar Gupta - IT Analyst
Ajit Kumar - Project Engineer
Amarendra dhanekula - Talent Acquisition Europe
Amit Gupta - Salesforce Delivery Head
Amok Jain - Head of Demand Generation
Anirban Ghosh - Global Head - Wipro Limited
Anjali Sinha - HR
Ashish Sharma - Head Sales
Atul Bansal - Delivery Head
Atul Kapur - Vice President at Wipro Limited
Benoy Saha - Technical Leader
Bharat Shetty
Bhargavi Tirumala - Partner
Bighnajit Panda - Lead Consultant
Brij Gupta - Tech Lead
Brijesh Pandey - Business Analyst
CS Alok Mishra -
Dattatreya Balamkar - Network Engineer
Debasis Das - Associate Vice President
Deepak Agarwal - Cluster Head - Consumer Business
Deevi Bhanu kiran - Practice Manager
Dipojjwal Ghosh - Principal Consultant
Gopalkrishnan Iyer

```

File Actions Edit View Help

Rakesh Sharma - High Tech Industry - Wipro Limited
Ramesh Raj - System Engineer
RamyaSwetha Gorantla - Sr. Software Engineer
Raushan Singh - Project Manager
Ravi Bubkiya - Business Analyst
Roshan Kumar - Engineer-Network Management
SUMITA DAS - Senior Executive Talent Acquisition
Sankar N. - Global Practice Head - Wipro Limited
Santhosh Kumar Madathil - IOT Practice
Saravanan Murugesan - Project Manager
Saurabh Govil
Shadab Hussain
Shalini Sahay - software test engineer
Sheetal Gupta - SAP HR Consultant
Sid Mishra
Sowmya Krishnan - Project Engineer
Srinivasan MK - Techno Functional Consultant
Sumbla Khan - Trainee
Swapna Vallabhaneni - Project Engineer
Tanmoy Mukherjee
Tarun Kumar Singh - Sr. Manager
Tony Buffomante - Senior Vice President
VN Raju Penumatsa - Project Engineer
VURUKONDA SAI PRAKASH - Software Developer
Varun Devalla - Sr Network Administrator
Vasudevan Muthusamy Rathinam - Test Lead
Veena Mogali - Sr HR Executive
Venkatesh Sambandam - Operations Manager
Venkatram Bevinahally - Delivery Head
Vijay Simha Akula
Vijayanand Kari - Account Delivery Head
Vinoth P - Project Engineer
Vipul Mayank - Project Engineer
Virinchi Gurram
Zeeshan Anwar - Deputy Manager
bhanu priya - Project Engineer
hrishikesh Jadhav - Assistant Manager
m prabu - asisstan engineer service
sivasankari sukumaran - Project Engineer
suresh mudaliar - Senior UI Designer
vinay kumar - Project Engineer

[*] No IPs found.

[*] No emails found.

[*] No hosts found.

(kali@kali)-[~]

\$

File Actions Edit View Help

Rakesh Sharma - High Tech Industry - Wipro Limited
 Ramesh Raj - System Engineer
 RamyaSwetha Gorantla - Sr. Software Engineer
 Raushan Singh - Project Manager
 Ravi Bubkiya - Business Analyst
 Roshan Kumar - Engineer-Network Management
 SUMITA DAS - Senior Executive Talent Acquisition
 Sankar N. - Global Practice Head - Wipro Limited
 Santhosh Kumar Madathil - IOT Practice
 Saravanan Murugesan - Project Manager
 Saurabh Govil
 Shadab Hussain
 Shalini Sahay - software test engineer
 Sheetal Gupta - SAP HR Consultant
 Sid Mishra
 Sowmya Krishnan - Project Engineer
 Srinivasan MK - Techno Functional Consultant
 Sumbla Khan - Trainee
 Swapna Vallabhaneni - Project Engineer
 Tanmoy Mukherjee
 Tarun Kumar Singh - Sr. Manager
 Tony Buffomante - Senior Vice President
 VN Raju Penumatsa - Project Engineer
 VURUKONDA SAI PRAKASH - Software Developer
 Varun Devalla - Sr Network Administrator
 Vasudevan Muthusamy Rathinam - Test Lead
 Veena Mogali - Sr HR Executive
 Venkatesh Sambandam - Operations Manager
 Venkatram Bevinahally - Delivery Head
 Vijay Simha Akula
 Vijayanand Kari - Account Delivery Head
 Vinoth P - Project Engineer
 Vipul Mayank - Project Engineer
 Virinchi Gurram
 Zeeshan Anwar - Deputy Manager
 bhanu priya - Project Engineer
 hrishikesh Jadhav - Assistant Manager
 m prabu - asisstan engineer service
 silvasankari sukumaran - Project Engineer
 suresh mudaliar - Senior UI Designer
 vinay kumar - Project Engineer

[*] No IPs found.

[*] No emails found.

[*] No hosts found.

(kali@kali)-[~]

\$

```

(kali@kali)-[~]
└─$ theHarvester -d www.wipro.com -l 100 -b google

*****
*                               *
* theHarvester                   *
*                               *
* theHarvester 4.0.3             *
* Coded by Christian Martorella  *
* Edge-Security Research         *
* cmartorella@edge-security.com  *
*                               *
*****

[*] Target: www.wipro.com
    Searching 0 results.
    Searching 100 results.
[*] Searching Google.
[*] No IPs found.
[*] Emails Found: 7
corp-secretarial@wipro.com
info@wipro.com
jothish.s90@wipro.com
sanaulla.khan@wipro.com
sustain.report@wipro.com
x22info@wipro.com
x3einfo@wipro.com
[*] No hosts found.

```

```

File Actions Edit View Help
omnisint, otx, pentesttools, projectdiscovery, qwant, rapidids, rocketreach, securityTrails, spyse, sublist3r, threatcrowd, threatminer, trello, twitter, urlscan, virustotal, yahoo, zoomeye

(kali@kali)-[~]
└─$ theHarvester -d www.codingninjas.com -l 100 -b linkedin

*****
*                               *
* theHarvester                   *
*                               *
* theHarvester 4.0.3             *
* Coded by Christian Martorella  *
* Edge-Security Research         *
* cmartorella@edge-security.com  *
*                               *
*****

[*] Target: www.codingninjas.com
    Searching 100 results.
[*] Searching LinkedIn.
[*] LinkedIn Users found: 99
Aamir Jamil - Teaching Assistant
Aayansh Singh
Abhishek Kumar Singh - Campus Ambassador
Aditi Goel - Human Resources Manager
Aditya Gupta - Data Analyst
Aditya Kumar - Associate Program Manager
Akash Kumar Singh - Golgotias University
Aman Jain - Technical Lead
Aman Mourya - Trainee
Aman Sharma
Anish Taneja - Associate Software Engineer
Ankit Sharma
Ankur Goyal - Product Manager
Ankush Gupta - Intern
Ankush Singla - Co-founder
Anshul Singh - Teacher Assistant
Anup Singh - Software Developer
Anurag Singh Bais - Ninja Entrepreneur
Anurakt Sharma - Digital Marketing Manager
Ashwin Manghat - Head of Product
Asif Nasim - Implementation Engineer
Astha Jain - Senior Consultant
Atif . - Teaching Assistant
Atul Saini
Ayush Gupta - SVM University
Ayush Mishra - Salesforce Developer at MTX Group

```

