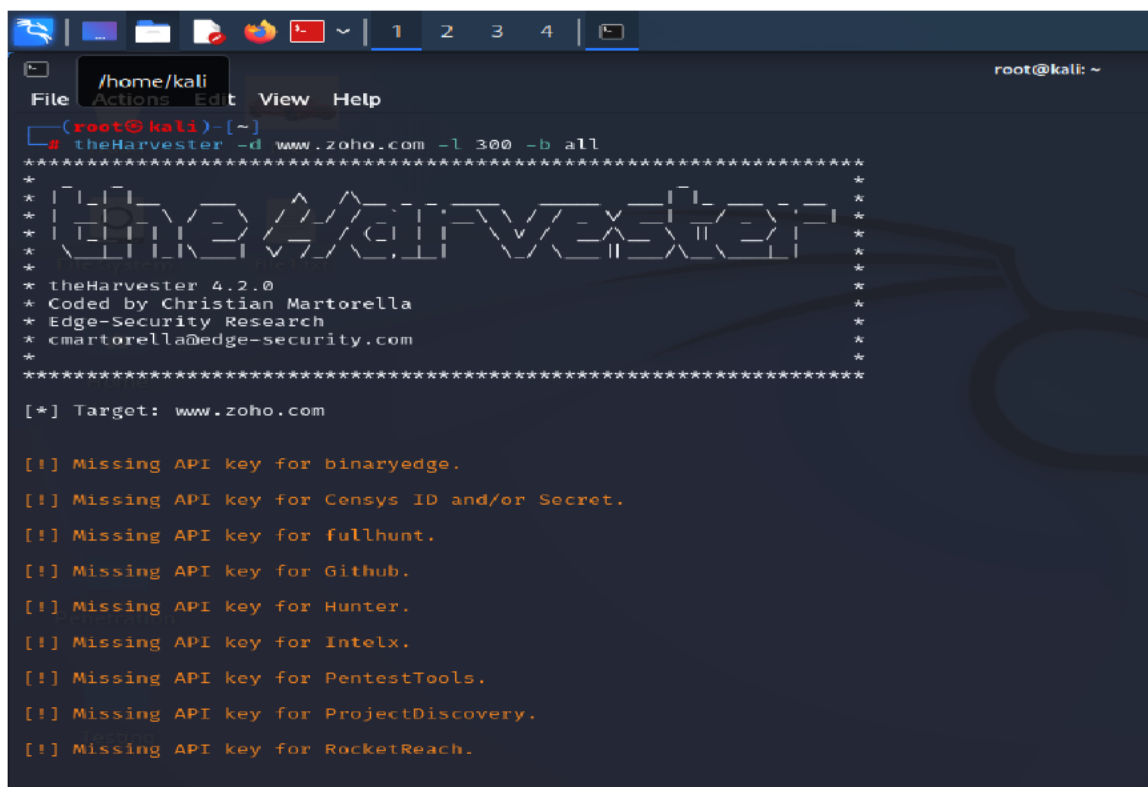


ETHICAL HACKING

EXPERIMENT 5 – INFORMATION GATHERING USING HARVESTER

- Type command `theHarvester -d www.zoho.com -l 300 -b all`

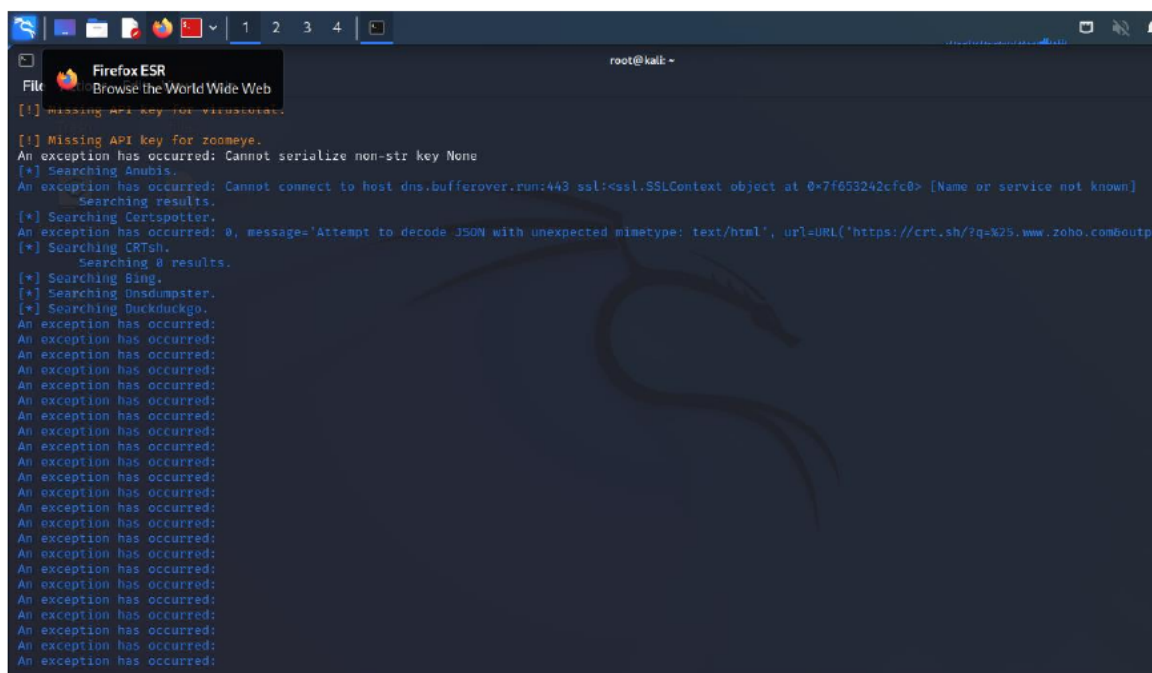


A terminal window on a Kali Linux system. The user is root. The command `theHarvester -d www.zoho.com -l 300 -b all` has been executed. The output shows the ASCII art logo for 'theHarvester', version 4.2.0, coded by Christian Martorella at Edge-Security Research. It then lists several missing API keys for various services: binaryedge, Censys, fullhunt, Github, Hunter, Intelx, PentestTools, ProjectDiscovery, and RocketReach.

```
(root@kali)-[~]
└─$ theHarvester -d www.zoho.com -l 300 -b all
*****
*
* [theHarvester]
*
* theHarvester 4.2.0
* Coded by Christian Martorella
* Edge-Security Research
* cmartorella@edge-security.com
*
*****

[*] Target: www.zoho.com

[!] Missing API key for binaryedge.
[!] Missing API key for Censys ID and/or Secret.
[!] Missing API key for fullhunt.
[!] Missing API key for Github.
[!] Missing API key for Hunter.
[!] Missing API key for Intelx.
[!] Missing API key for PentestTools.
[!] Missing API key for ProjectDiscovery.
[!] Missing API key for RocketReach.
```



A terminal window on a Kali Linux system. The user is root. The command `theHarvester -d www.zoho.com -l 300 -b all` has been executed. The output shows the ASCII art logo for 'theHarvester', version 4.2.0, coded by Christian Martorella at Edge-Security Research. It then lists several missing API keys for various services: binaryedge, Censys, fullhunt, Github, Hunter, Intelx, PentestTools, ProjectDiscovery, and RocketReach.

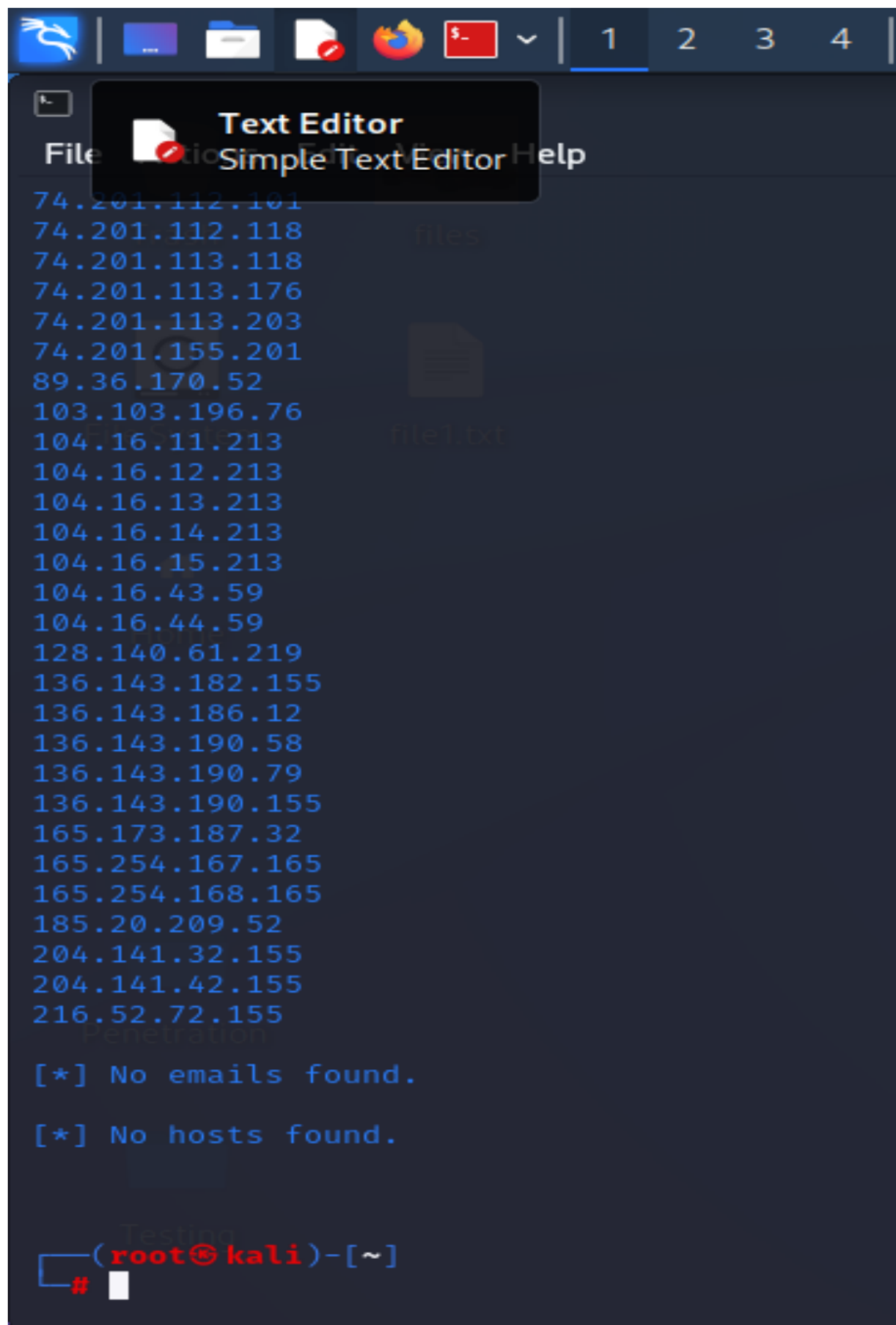
```
(root@kali)-[~]
└─$ theHarvester -d www.zoho.com -l 300 -b all
*****
*
* [theHarvester]
*
* theHarvester 4.2.0
* Coded by Christian Martorella
* Edge-Security Research
* cmartorella@edge-security.com
*
*****

[*] Target: www.zoho.com

[!] Missing API key for binaryedge.
[!] Missing API key for Censys ID and/or Secret.
[!] Missing API key for fullhunt.
[!] Missing API key for Github.
[!] Missing API key for Hunter.
[!] Missing API key for Intelx.
[!] Missing API key for PentestTools.
[!] Missing API key for ProjectDiscovery.
[!] Missing API key for RocketReach.
```

```
root@kali: ~  
[*] Searching Netwotger.  
[*] Searching Otx.  
[*] Searching Qwant.  
An exception has occurred: Cannot connect to host rapiddns.io:443 ssl:<ssl.SSLContext object at 0x7f6532cd43c0> [Temporary failure in name resolution]  
[*] Searching Rapiddns.  
An exception has occurred: 0, message='Attempt to decode JSON with unexpected mimetype: text/html; charset=utf-8', url=URL('https://api.sublist3r.com/search.php?domain=www.zoho.com')  
[*] Searching Sublist3r.  
An exception has occurred: Cannot connect to host www.threatcrowd.org:443 ssl:True [SSLCertVerificationError: (1, "[SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: Hostname mismatch; certificate is not valid for 'www.threatcrowd.org'. (_ssl.c:997)"]]  
string indices must be integers  
[*] Searching Threatcrowd.  
[*] Searching Threatminer.  
An exception has occurred: 0, message='Attempt to decode JSON with unexpected mimetype: text/html; charset=utf-8', url=URL('https://sonar.omnisint.io/all/www.zoho.com?page=1')  
[*] Searching Omnisint.  
[*] Searching Urlscan.  
  
[*] ASNS found: 4  
  
AS24940  
AS2639  
AS41913  
AS56201  
  
[*] Interesting Urls found: 28  
  
https://www.zoho.com/  
https://www.zoho.com/analytics/  
https://www.zoho.com/assist/  
https://www.zoho.com/assist/?zsrc=fromproduct  
https://www.zoho.com/campaigns/explainer/campaign-view.html  
https://www.zoho.com/campaigns/explainer/zcscend.html  
https://www.zoho.com/campaigns/features.html  
https://www.zoho.com/creator/  
https://www.zoho.com/crm/whats-new/release-notes.html  
https://www.zoho.com/emailsender/
```

```
root@kali: ~  
https://www.zoho.com/emailsender/  
https://www.zoho.com/enterprise/  
https://www.zoho.com/enterprise/contact-us.html  
https://www.zoho.com/expense/  
https://www.zoho.com/forms/  
https://www.zoho.com/forms/?serviceurl=%2Fmichaela3%2Fform%2FSubscription  
https://www.zoho.com/index1.html  
https://www.zoho.com/invoice/  
https://www.zoho.com/meeting/join/  
https://www.zoho.com/nl/  
https://www.zoho.com/nl/forms/  
https://www.zoho.com/nl/sprints/  
https://www.zoho.com/nl/survey/  
https://www.zoho.com/people/?zsrc=fromproduct  
https://www.zoho.com/peopleplus/?zsrc=fromproduct  
https://www.zoho.com/security.html  
https://www.zoho.com/sites/  
https://www.zoho.com/sites/?src=parkeddomain&dr=www.tdsyneex.com  
https://www.zoho.com/sprints/  
  
[*] LinkedIn Links found: 0  
  
[*] IPs found: 43  
  
8.39.54.155  
8.40.222.155  
74.201.84.81  
74.201.112.101  
74.201.112.118  
74.201.113.118  
74.201.113.176  
74.201.113.203  
74.201.155.201  
89.36.170.52  
103.103.196.76  
104.16.11.213
```



The image shows a Kali Linux terminal window. At the top, there is a taskbar with icons for the desktop environment, a file manager, a terminal, and a web browser. Below the taskbar, a menu bar for a text editor is visible, with options: File, Edit, Format, View, and Help. The main area of the terminal displays a list of IP addresses in blue text, followed by two status messages: "[*] No emails found." and "[*] No hosts found.". At the bottom, the terminal prompt shows the user is root on a kali machine, with the prompt character being a red hash symbol (#) and a white cursor block.

```
74.201.112.101
74.201.112.118
74.201.113.118
74.201.113.176
74.201.113.203
74.201.155.201
89.36.170.52
103.103.196.76
104.16.11.213
104.16.12.213
104.16.13.213
104.16.14.213
104.16.15.213
104.16.43.59
104.16.44.59
128.140.61.219
136.143.182.155
136.143.186.12
136.143.190.58
136.143.190.79
136.143.190.155
165.173.187.32
165.254.167.165
165.254.168.165
185.20.209.52
204.141.32.155
204.141.42.155
216.52.72.155

[*] No emails found.

[*] No hosts found.

(root@kali)-[~]
#
```

