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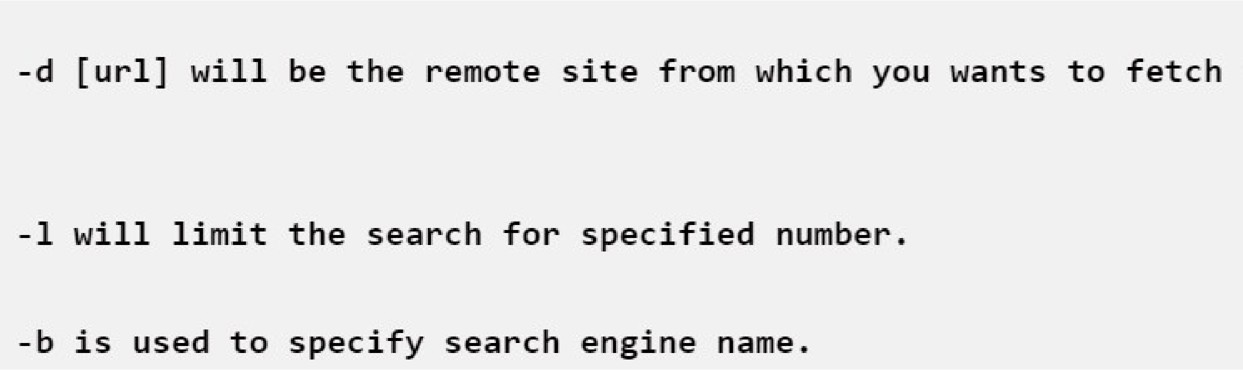
**192021019**

## Exercise No 5: Information gathering using theHarvester

**Aim:** To demonstrate information gathering using theHarvester
**Procedure:**



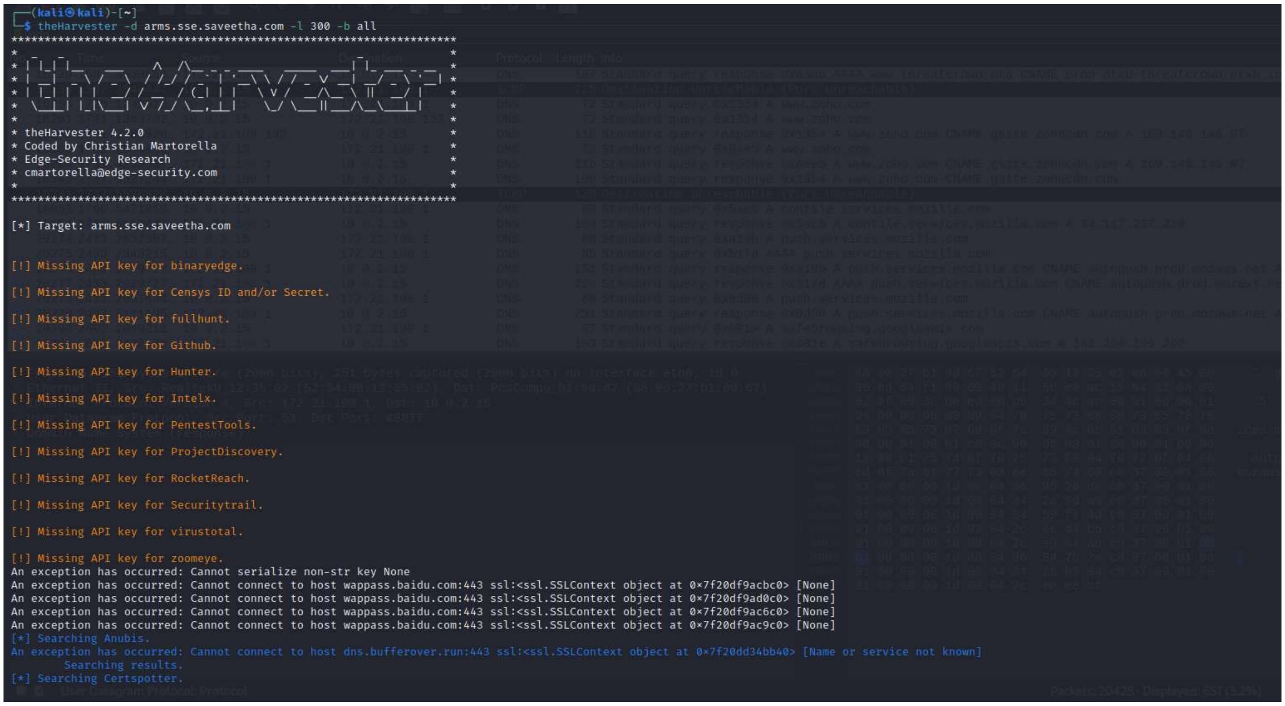
```
-d [url] will be the remote site from which you wants to fetch


-l will limit the search for specified number.

-b is used to specify search engine name.
```

**STEP 1: Open Terminal in the kali linux**

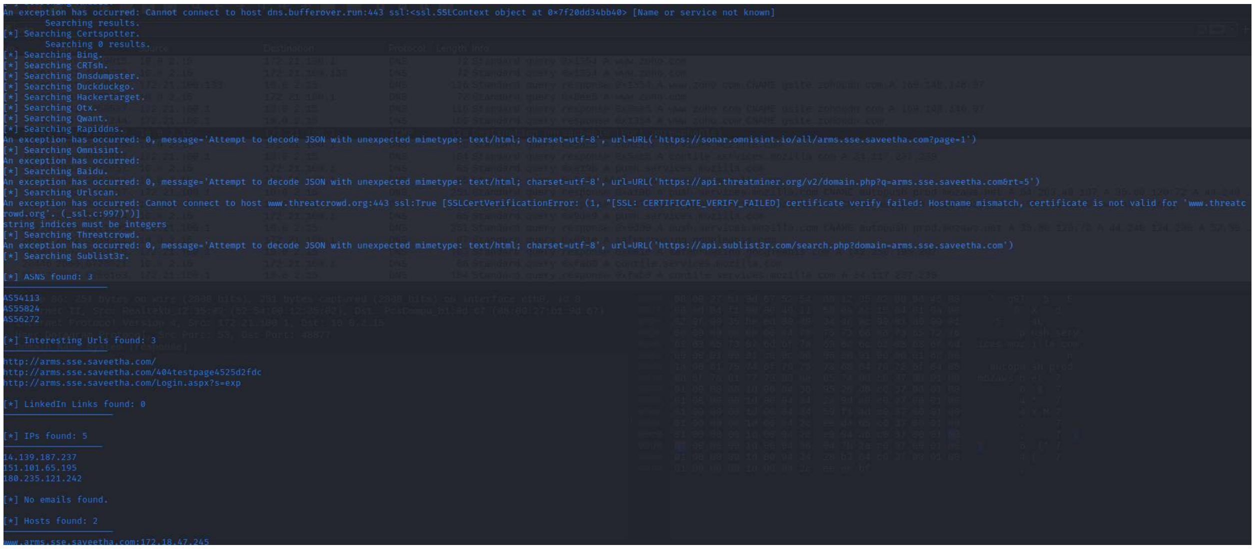
**STEP 2: Run the following command**
**Command: theHarvester -d** arms.sse.saveetha.com**-l 300 -b all**

**Step 4: run this command "theHarvester -d arms.sse.saveetha.com -l 300 -b all -f test" and hit enter to export the result as html file and xml file**
**Step 5: now close the terminal and navigate the home folder and search**

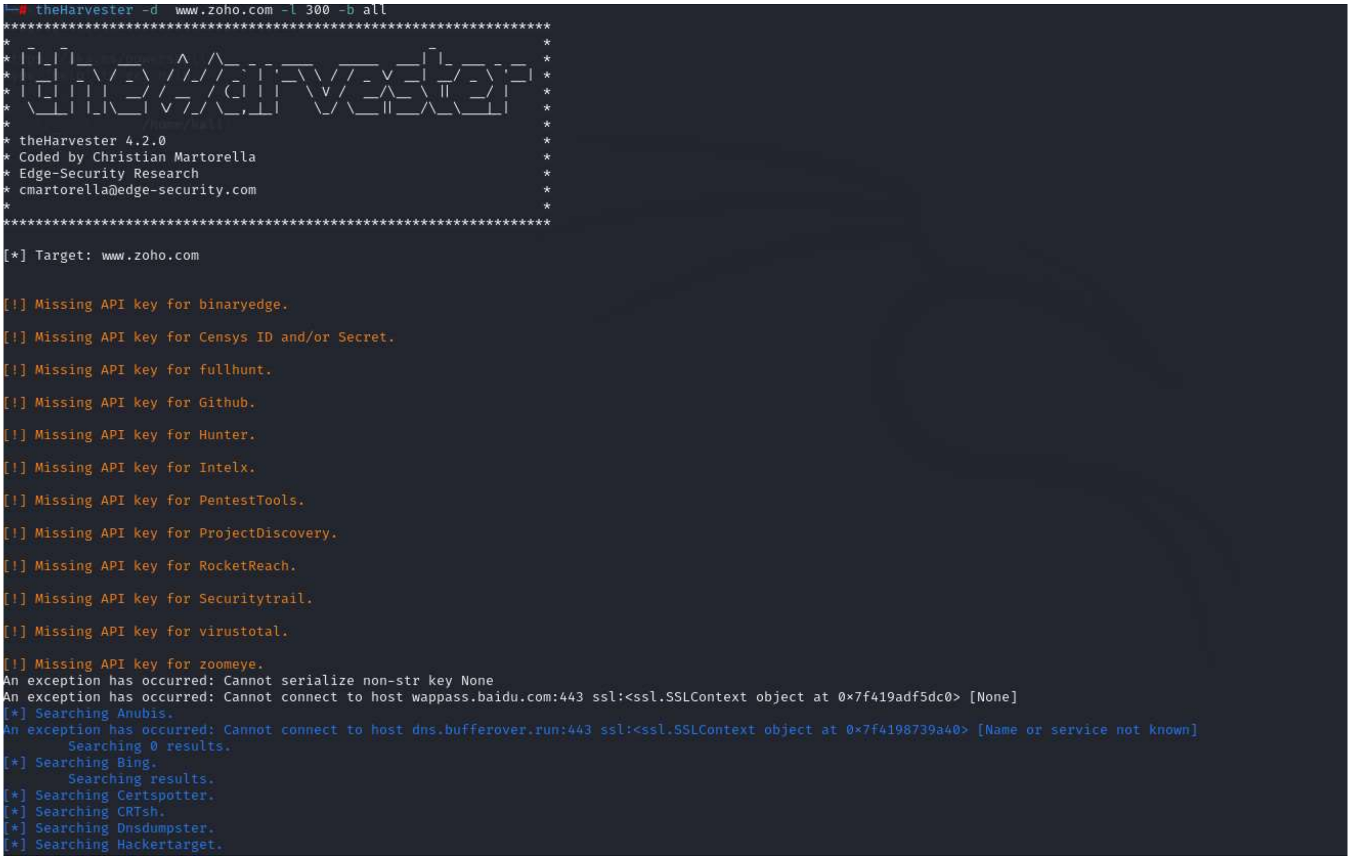
# OUTPUT



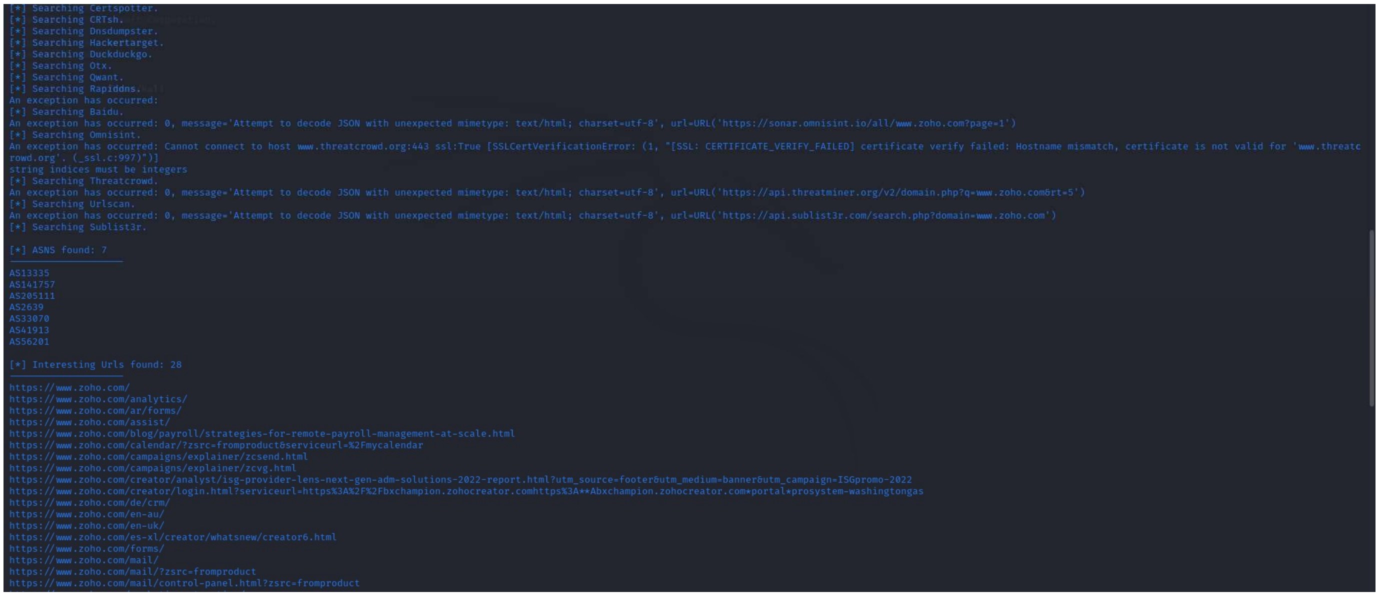
```
┌──(kali㉿kali)-[~]
└─$ theHarvester -d arms.sse.saveetha.com -l 300 -b all
*******************************************************************
*  _   _                                            _             *
* | |_| |__   ___    /\  /\__ _ _ ____   _____  ___| |_ ___ _ __  *
* | __|  _ \ / _ \  / /_/ / _` | '__\ \ / / _ \/ __| __/ _ \ '__| *
* | |_| | | |  __/ / __  / (_| | |   \ V /  __/\__ \ ||  __/ |    *
*  \__|_| |_|\___| \/ /_/ \__,_|_|    \_/ \___||___/\__\___|_|    *
*                                                                 *
* theHarvester 4.2.0                                              *
* Coded by Christian Martorella                                   *
* Edge-Security Research                                          *
* cmartorella@edge-security.com                                   *
*                                                                 *
*******************************************************************


[*] Target: arms.sse.saveetha.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.

[!] Missing API key for Securitytrail.

[!] Missing API key for virustotal.

[!] Missing API key for zoomeye.
An exception has occurred: Cannot serialize non-str key None
An exception has occurred: Cannot connect to host wappass.baidu.com:443 ssl:<ssl.SSLContext object at 0×7f20df9acbc0> [None]
An exception has occurred: Cannot connect to host wappass.baidu.com:443 ssl:<ssl.SSLContext object at 0×7f20df9ad0c0> [None]
An exception has occurred: Cannot connect to host wappass.baidu.com:443 ssl:<ssl.SSLContext object at 0×7f20df9ac6c0> [None]
An exception has occurred: Cannot connect to host wappass.baidu.com:443 ssl:<ssl.SSLContext object at 0×7f20df9ac9c0> [None]
[*] Searching Anubis.
An exception has occurred: Cannot connect to host dns.bufferover.run:443 ssl:<ssl.SSLContext object at 0×7f20dd34bb40> [Name or service not known]
        Searching results.
[*] Searching Certspotter.
```



```
An exception has occurred: Cannot connect to host dns.bufferover.run:443 ssl:<ssl.SSLContext object at 0×7f20dd34bb40> [Name or service not known]
        Searching results.
[*] Searching Certspotter.
        Searching 0 results.
[*] Searching Bing.
[*] Searching CRTsh.
[*] Searching Dnsdumpster.
[*] Searching Duckduckgo.
[*] Searching Hackertarget.
[*] Searching Otx.
[*] Searching Qwant.
[*] Searching Rapiddns.
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/arms.sse.saveetha.com?page=1')
[*] Searching Omnisint.
An exception has occurred:
[*] Searching Baidu.
An exception has occurred: 0, message='Attempt to decode JSON with unexpected mimetype: text/html; charset=utf-8', url=URL('https://api.threatminer.org/v2/domain.php?q=arms.sse.saveetha.com&rt=5')
[*] Searching Urlscan.
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.threatc
rowd.org'. (_ssl.c:997)")]
string indices must be integers
[*] Searching Threatcrowd.
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=arms.sse.saveetha.com')
[*] Searching Sublist3r.

[*] ASNS found: 3
--------------------
AS54113
AS55824
AS56272

[*] Interesting Urls found: 3
--------------------
http://arms.sse.saveetha.com/
http://arms.sse.saveetha.com/404testpage4525d2fdc
http://arms.sse.saveetha.com/Login.aspx?s=exp

[*] LinkedIn Links found: 0
---------------------


[*] IPs found: 5
-------------------
14.139.187.237
151.101.65.195
180.235.121.242

[*] No emails found.

[*] Hosts found: 2
---------------------
www.arms.sse.saveetha.com:172.18.47.245
```



```
└─# theHarvester -d  www.zoho.com -l 300 -b all
*******************************************************************
*  _   _                                            _             *
* | |_| |__   ___    /\  /\__ _ _ ____   _____  ___| |_ ___ _ __  *
* | __|  _ \ / _ \  / /_/ / _` | '__\ \ / / _ \/ __| __/ _ \ '__| *
* | |_| | | |  __/ / __  / (_| | |   \ V /  __/\__ \ ||  __/ |    *
*  \__|_| |_|\___| \/ /_/ \__,_|_|    \_/ \___||___/\__\___|_|    *
*                                                                 *
* 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.

[!] Missing API key for Securitytrail.

[!] Missing API key for virustotal.

[!] Missing API key for zoomeye.
An exception has occurred: Cannot serialize non-str key None
An exception has occurred: Cannot connect to host wappass.baidu.com:443 ssl:<ssl.SSLContext object at 0x7f419adf5dc0> [None]
[*] Searching Anubis.
An exception has occurred: Cannot connect to host dns.bufferover.run:443 ssl:<ssl.SSLContext object at 0x7f4198739a40> [Name or service not known]
        Searching 0 results.
[*] Searching Bing.
        Searching results.
[*] Searching Certspotter.
[*] Searching CRTsh.
[*] Searching Dnsdumpster.
[*] Searching Hackertarget.
```



```
[*] Searching Certspotter.
[*] Searching CRTsh.
[*] Searching Dnsdumpster.
[*] Searching Hackertarget.
[*] Searching Duckduckgo.
[*] Searching Otx.
[*] Searching Qwant.
[*] Searching Rapiddns.
An exception has occurred:
[*] Searching Baidu.
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.
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.threatc
rowd.org'. (_ssl.c:997)")]
string indices must be integers
[*] Searching Threatcrowd.
An exception has occurred: 0, message='Attempt to decode JSON with unexpected mimetype: text/html; charset=utf-8', url=URL('https://api.threatminer.org/v2/domain.php?q=www.zoho.com&rt=5')
[*] Searching Urlscan.
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.

[*] ASNS found: 7
--------------------
AS13335
AS141757
AS205111
AS2639
AS33070
AS41913
AS56201

[*] Interesting Urls found: 28
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https://www.zoho.com/
https://www.zoho.com/analytics/
https://www.zoho.com/ar/forms/
https://www.zoho.com/assist/
https://www.zoho.com/blog/payroll/strategies-for-remote-payroll-management-at-scale.html
https://www.zoho.com/calendar/?zsrc=fromproduct&serviceurl=%2Fmycalendar
https://www.zoho.com/campaigns/explainer/zcsend.html
https://www.zoho.com/campaigns/explainer/zcvg.html
https://www.zoho.com/creator/analyst/isg-provider-lens-next-gen-adm-solutions-2022-report.html?utm_source=footer&utm_medium=banner&utm_campaign=ISGpromo-2022
https://www.zoho.com/creator/login.html?serviceurl=https%3A%2F%2Fbxchampion.zohocreator.comhttps%3A**Abxchampion.zohocreator.com*portal*prosystem-washingtongas
https://www.zoho.com/de/crm/
https://www.zoho.com/en-au/
https://www.zoho.com/en-uk/
https://www.zoho.com/es-xl/creator/whatsnew/creator6.html
https://www.zoho.com/forms/
https://www.zoho.com/mail/
https://www.zoho.com/mail/?zsrc=fromproduct
https://www.zoho.com/mail/control-panel.html?zsrc=fromproduct
```

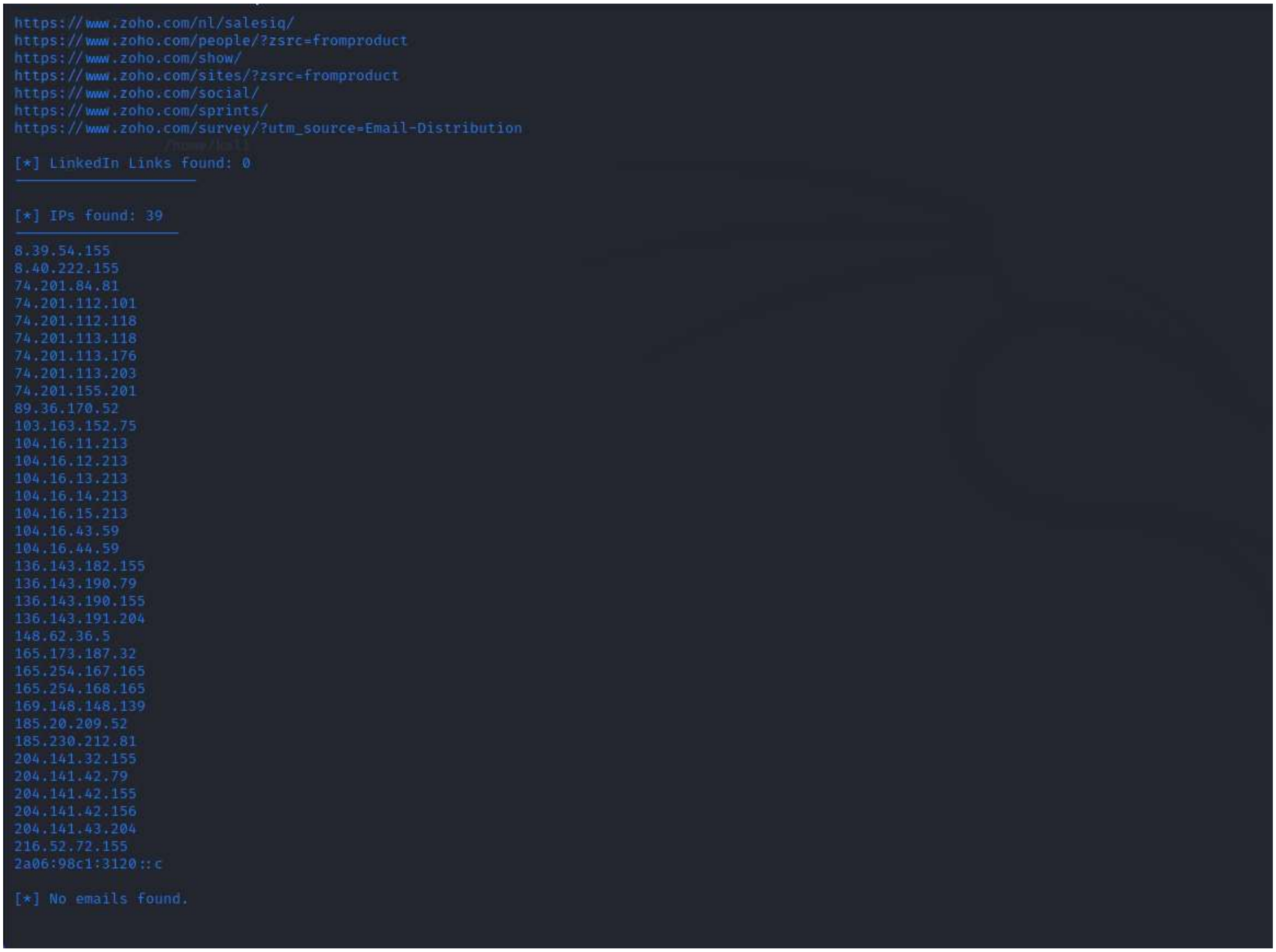

```
https://www.zoho.com/nl/salesiq/
https://www.zoho.com/people/?zsrc=fromproduct
https://www.zoho.com/show/
https://www.zoho.com/sites/?zsrc=fromproduct
https://www.zoho.com/social/
https://www.zoho.com/sprints/
https://www.zoho.com/survey/?utm_source=Email-Distribution

[*] LinkedIn Links found: 0
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[*] IPs found: 39
-------------------

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
103.163.152.75
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
136.143.182.155
136.143.190.79
136.143.190.155
136.143.191.204
148.62.36.5
165.173.187.32
165.254.167.165
165.254.168.165
169.148.148.139
185.20.209.52
185.230.212.81
204.141.32.155
204.141.42.79
204.141.42.155
204.141.42.156
204.141.43.204
216.52.72.155
2a06:98c1:3120::c

[*] No emails found.
```

**Result**

Information gathering using theHarvester is performed successfully.