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Leprechaun - Tool Used To Map Out The Network Data Flow To Help Penetration Testers Identify Potentially Valuable Targets

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The purpose of this tool is to help penetration testers identify potentially valuable targets on the internal network environment. By aggregating [netstat](#) routes from multiple hosts, you can easily figure out what's going on within.

Getting Started

These instructions will get you a copy of the project up and running on your local machine for development and [testing](#) purposes. See deployment for notes on how to deploy the project on a live system.



Prerequisites

You'll need a few [Ruby](#) gems to get started - if you don't have them already, that is.

```
r00t@r00t-KitPloit: ~
gem install 'securerandom'
gem install 'terminal-table'
gem install 'getopt'
```

Lastly, make sure you have Graphviz installed. You can install that with the following command:

```
apt install graphviz -y
```

Tool help menu

If you run the script without any arguments, you'll see the following help menu:

```
r00t@r00t-KitPloit: ~
[root:vonahisec-kali:~/scripts/leprechaun]# ./leprechaun.rb

-----
Leprechaun v1.0 - Alton Johnson (@altonjx)
-----

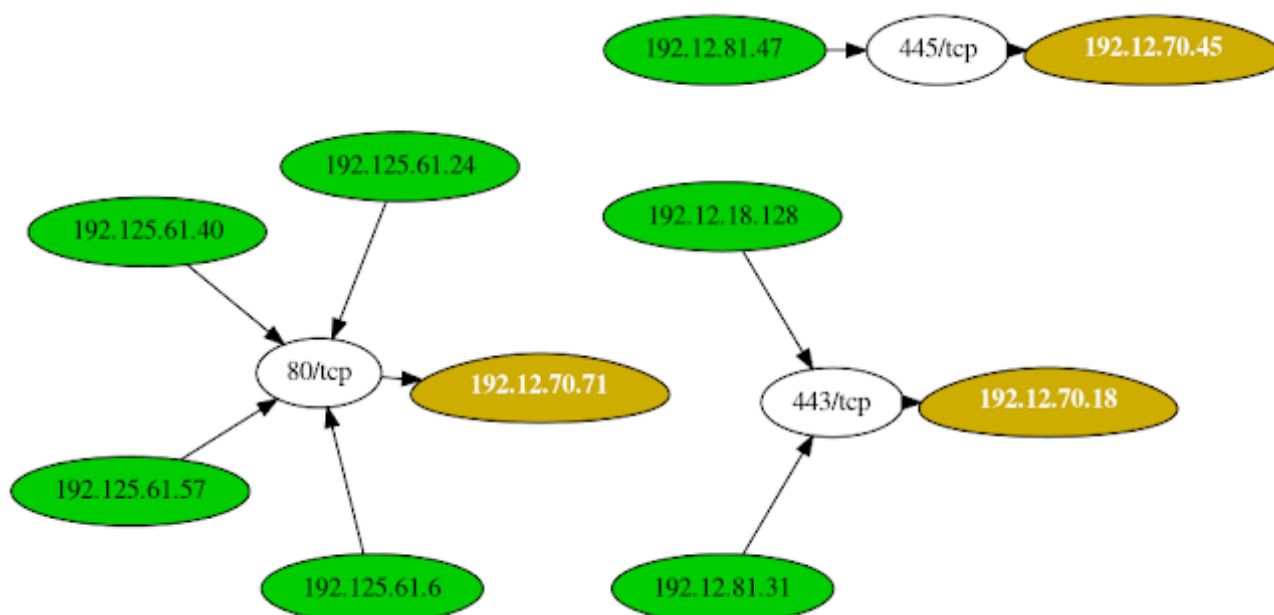
Usage: ./leprechaun.rb -f /path/to/netstat_results.txt -p <port>

-f File containing the output of netstat results
-p Port you're interested in. e.g., 80. Specify "all", "common", or separate ports with co
-e The type of destination IP addresses you want to see connections to (e.g. external/inte

Example: ./leprechaun.rb -f netstat_output.txt -p 80
Example: ./leprechaun.rb -f netstat_output.txt -p all
Example: ./leprechaun.rb -f netstat_output.txt -p common
Example: ./leprechaun.rb -f netstat_output.txt -p 80,443 -t external
```

Example outputs

```
r00t@r00t-KitPloit: ~
+-----+-----+-----+
| Server      | Number of connected clients | Highest traffic destination port |
+-----+-----+-----+
| 192.12.70.71 | 4                             | 80/tcp (4 clients)                |
| 192.12.70.18 | 2                             | 443/tcp (2 clients)               |
| 192.12.70.45 | 1                             | 445/tcp (1 clients)               |
+-----+-----+-----+
```



Additional References

Blog post: <https://blog.vonahi.io/post-exploitation-with-leprechaun/>

LinkedIn Article: <https://www.linkedin.com/pulse/finding-gaps-your-network-segmentation-using-johnson-oscp-osce/>

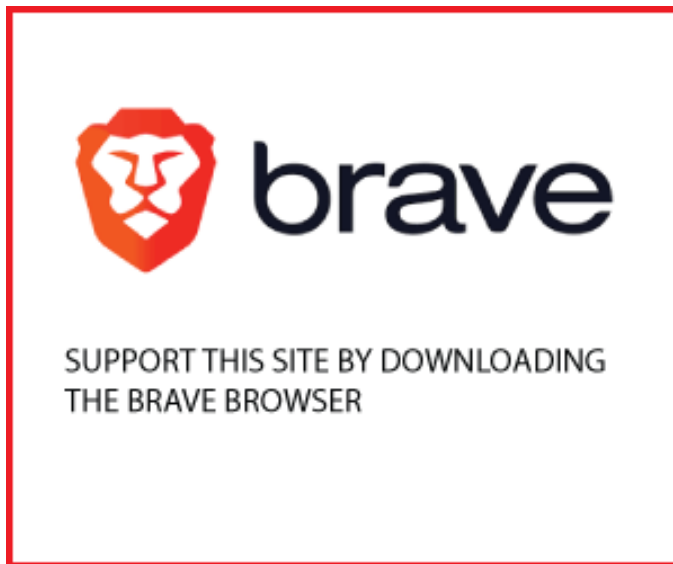
Authors

> **Alton Johnson** - *Creator* - [Twitter](#) - [LinkedIn](#) - [GitHub](#)

Acknowledgments & Credits

> Josh Stone - Influenced by Routehunter

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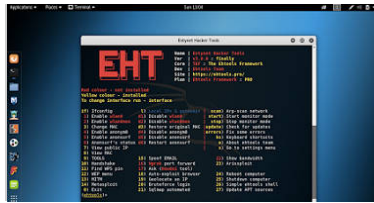


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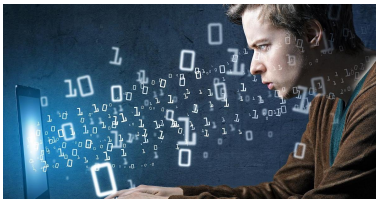
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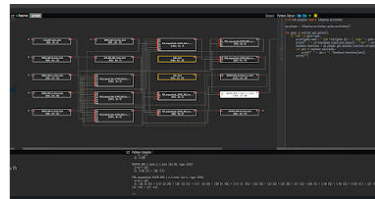
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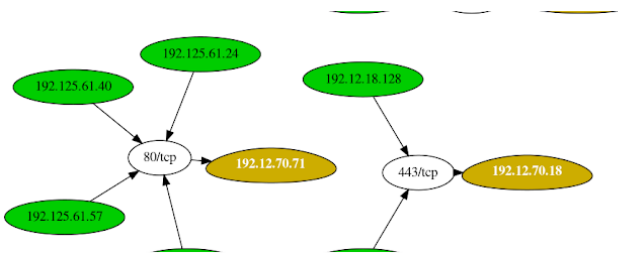
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```

5. Kerberoast some service accounts!
6. Search for SQL Servers in the domain and pwn them if possible!
7. Collect Bloodhound information!
8. Search for MS17-10 vulnerable Servers / Clients in this domain!
9. Give me some Credentials, now!
10. Search for Systems with Admin-Access to pwn them!
11. Create an ADIDNS wildcard for ultimate mitm in all networks!
12. Execute Sessiongopher!
13. I want to check some remote system groups via GPO Mapping!
14. I am local admin, kill the event log services for stealth!
15. Search for passwords on this system!
16. Just one ADRecon Report for me!
17. Search for potential vulnerable web apps (low hanging fruits)!
18. Find some network shares!
19. Execute some C# Magic for Creds, Recon and Privesc!
20. Load custom C# Binaries from a repository to Memory and execute them!
  
```

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