Maltego In The Enterprise

J. David Bressler

Senior Security Consultant

About Me

- Senior Security Consultant, GuidePoint Security
- I like to Make Things
- I like to Break Things
- My Alphabet Soup: OSCP, MCSA, ABCDEFG… (You know the rest)

Contact Me

- Twitter: @bostonlink (Say Hello!)
- Github: https://github.com/bostonlink

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What is Maltego?

- Created by Paterva www.paterva.com
- Reconnaissance and Information Gathering
- Visualize Gathered Information
- Customizable!

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Why Maltego In the Enterprise?

- Single tool for Information Gathering and Analysis
- Integrate internal tools/APIs with custom transforms
- And More! Think outside the box!

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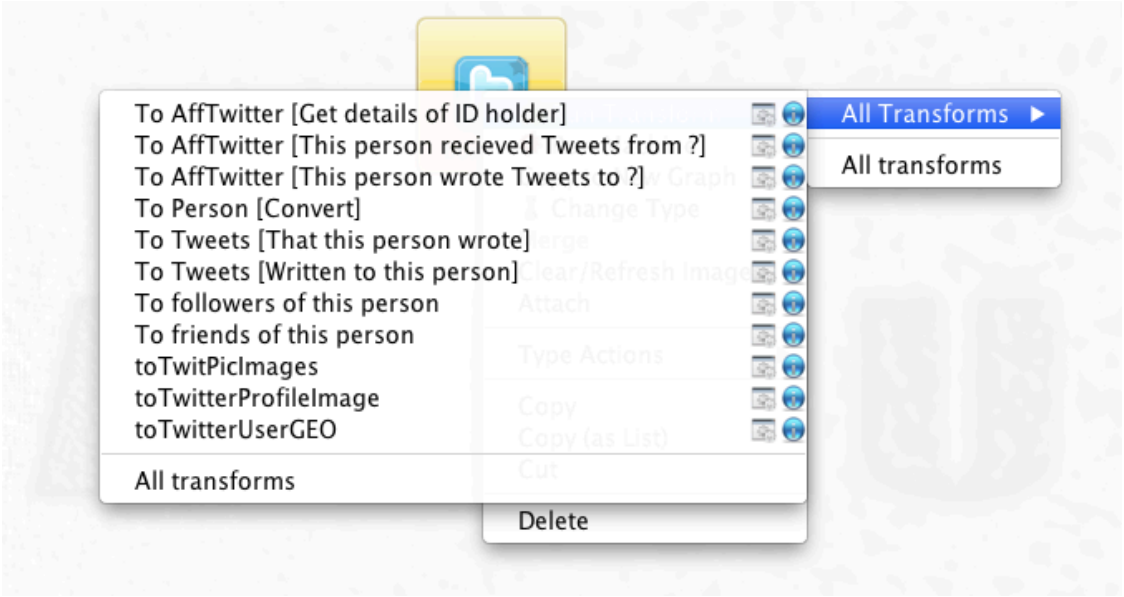
Maltego Transforms

backend or remote scripts/programs that pull information from specific sources and creates entities



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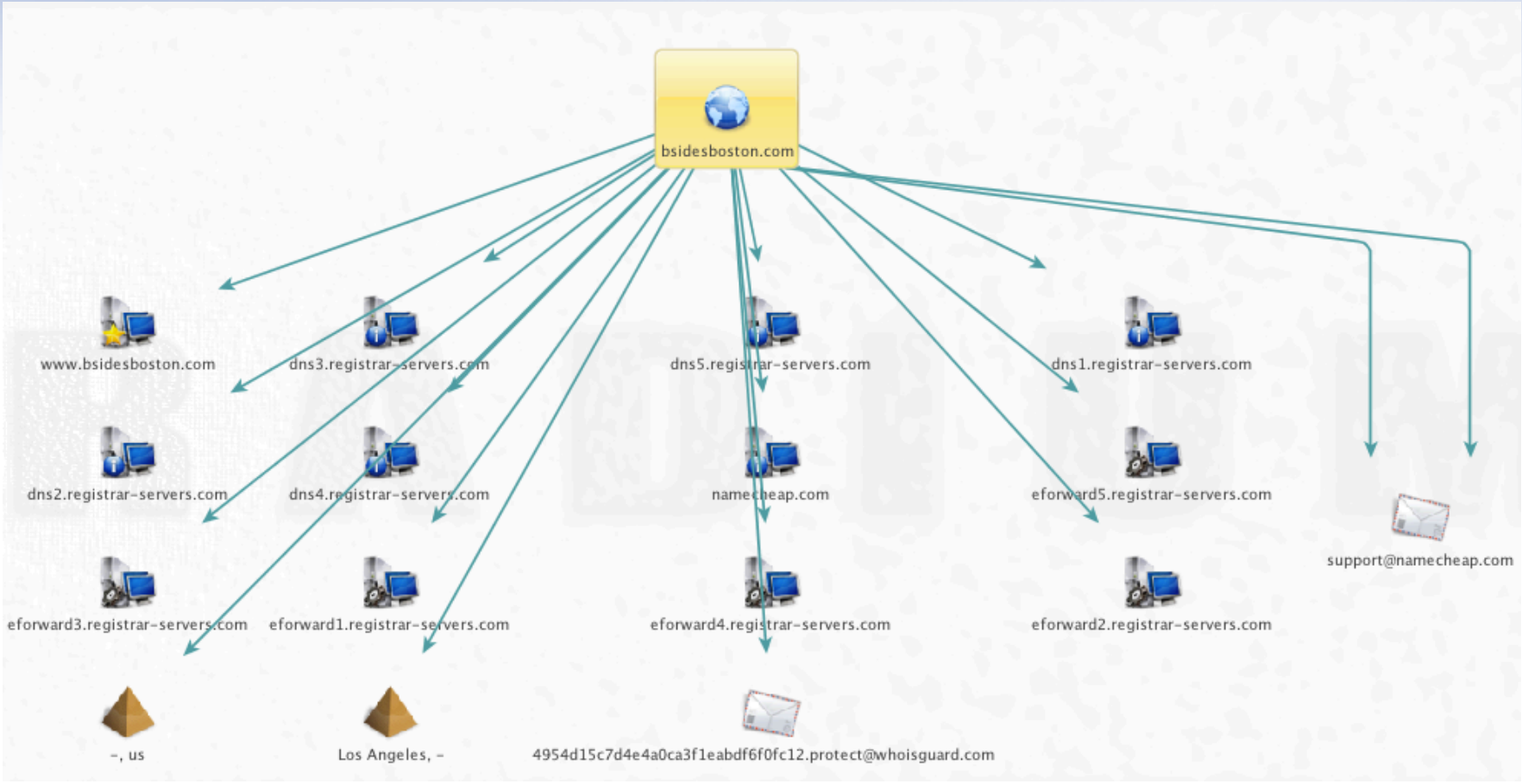
Built-in/Remote Transforms



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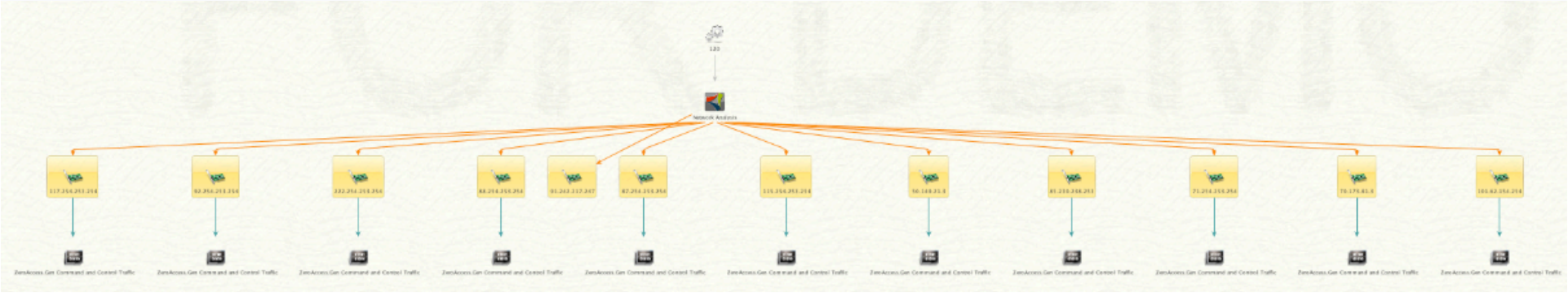
Local Transforms

Example of CuckooForCanari and PAMalt Canari Framework transform packs



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Which Transform Should I Use?

- Depends on your overall goal & architecture
- Internal systems and tools
  - Local Transforms or Internal TDS Server
- External data sources
  - Local or Remote Transforms

The Canari Framework

- Created by Nadeem Douba (Sploitego)
- Maltego Local Transform Development framework
- www.canariproject.com
- forums.canariproject.com (Community)

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The Canari Framework

- No need to focus on the XML output formatting
- Focus on the data gathering and parsing logic
- Gives you the easy ability to install transforms packs, and a lot more!

```
bostonlink:~ $ canari
usage: canari help <command>

Shows help related to various canari commands

positional arguments:
  <command>   The canari command you want help for (csv2sheets, list-commands,
              shell, help, rename-transform, run-server, debug-transform,
              delete-transform, create-transform, uninstall-package, run-
              transform, generate-entities, version, mtgx2csv, install-
              package, banner, create-package)

optional arguments:
  -h, --help  show this help message and exit
bostonlink:~ $
```


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Why Integrate Other Tools?

1. Because It's AWESOME!
2. Value of data
3. To visualize internal enterprise data
4. Ability to easily pivot from internal data to external data

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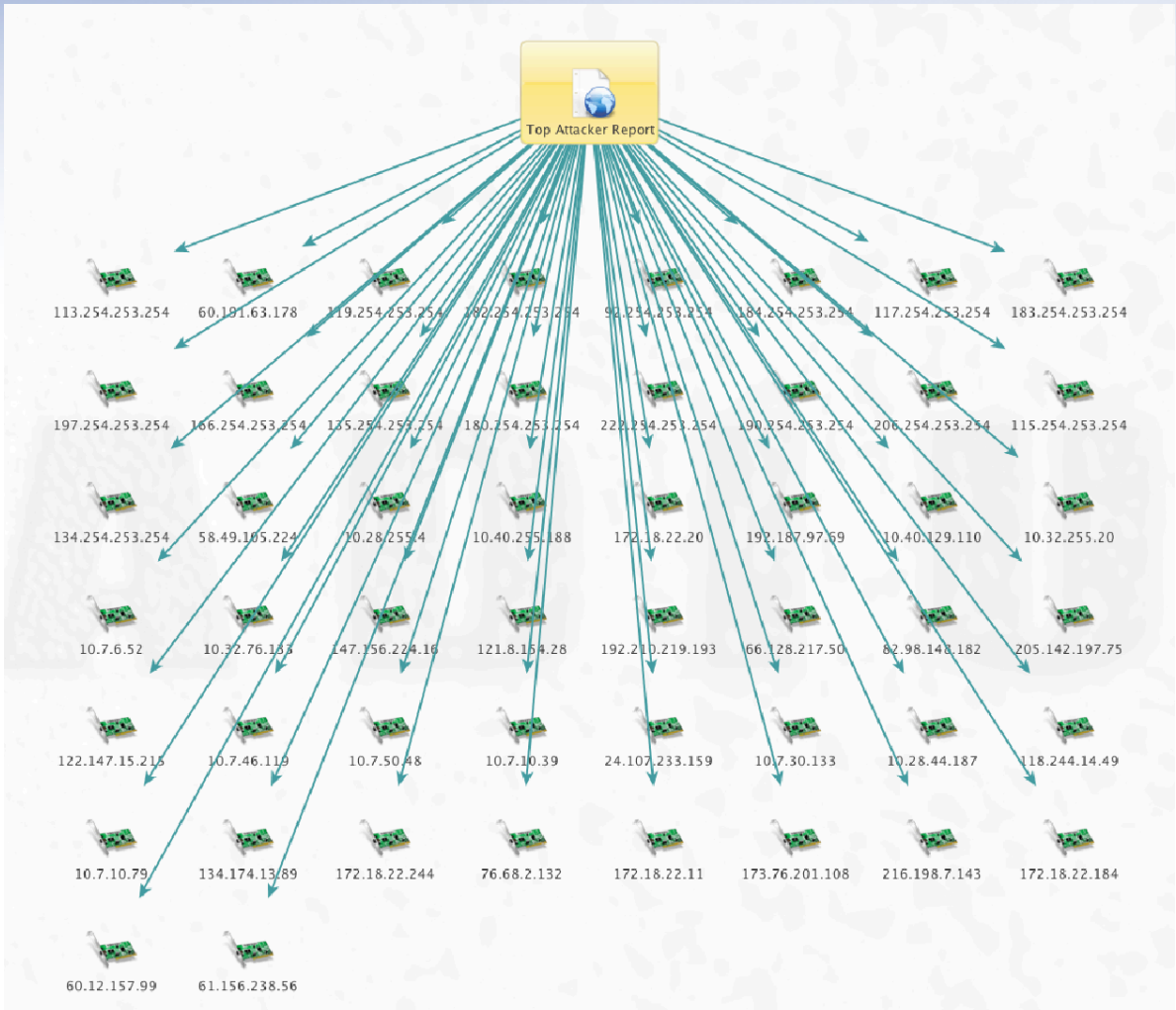
PAmalt Overview

- Palo Alto Networks Firewall Transform Pack
- Used to quickly visualize detected top attacks, threats, malware, etc.

https://github.com/bostonlink/pamalt_canari

PAmalt Example



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NWmaltego Overview

- RSA Netwitness NSM/Packet Capture Transform Pack
- Used to quickly query Netwitness for metadata parsed from network sessions

https://github.com/bostonlink/nwmaltego_canari

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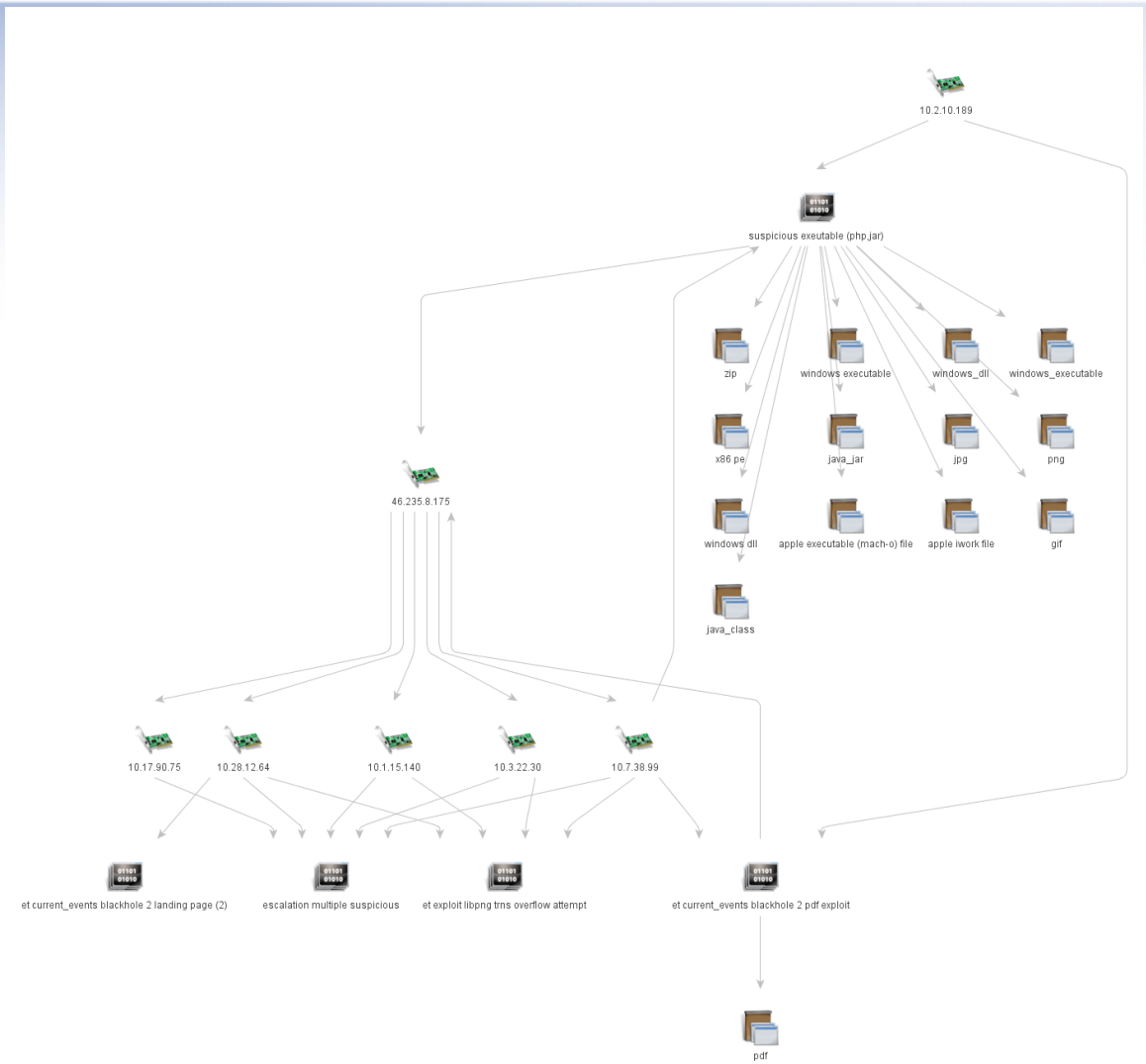
NWmaltego Example



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CuckooForCanari Overview

- Cuckoo Sandbox Transform Pack
- Used to visually display dynamic malware analysis

https://github.com/bostonlink/cuckooforcanari

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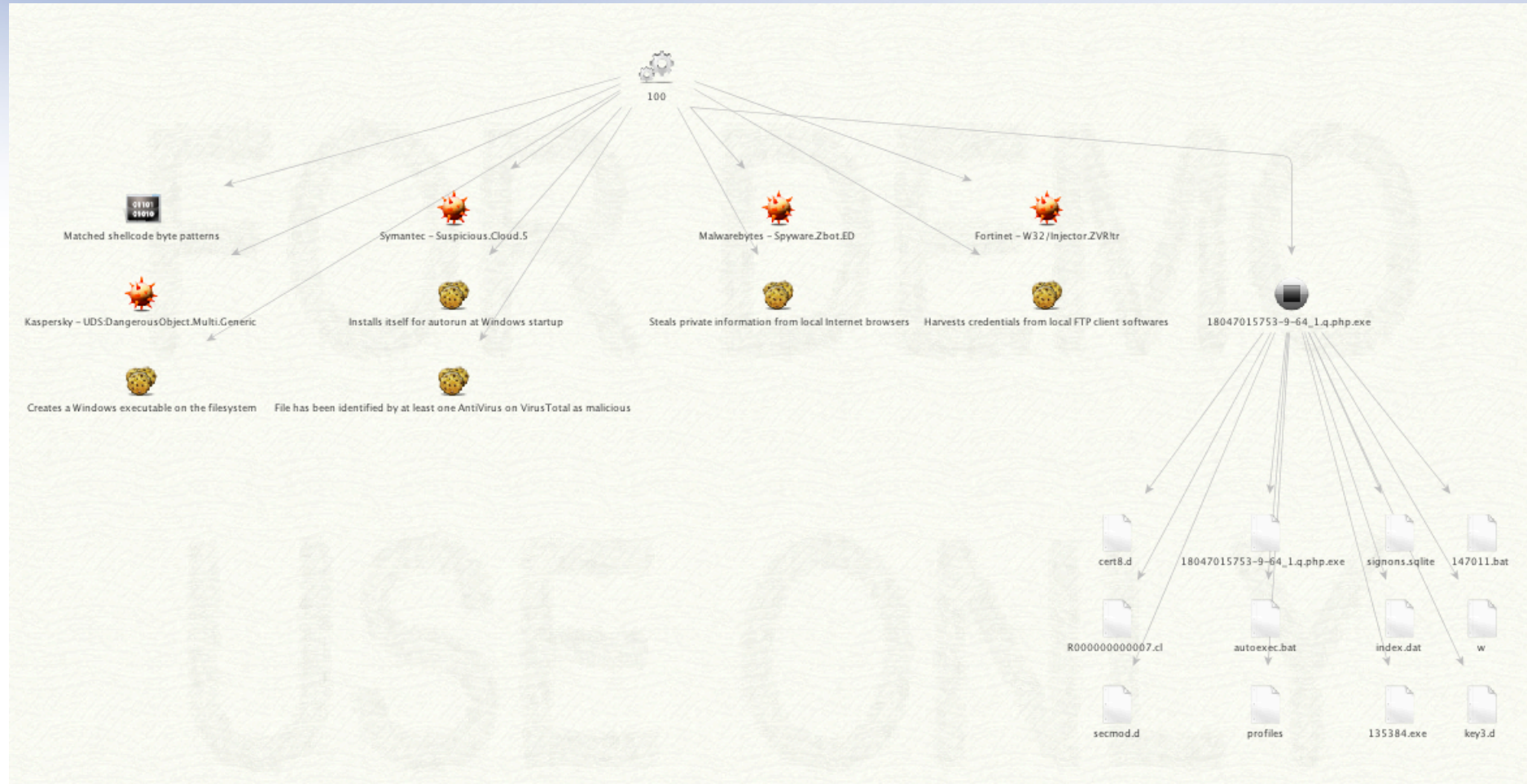
CuckooForCanari Example



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Nextego

- Rapid7's Nexpose Maltego Transforms
- Launch a Nexpose Vulnerability Scan on a Host within Maltego
- Display Ports, Services, Service Versions / Fingerprints
- Display Vulnerabilities, Metasploit Modules, exploit-db Exploits available
- Version 1.0 Released Today!

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Nextego Demo

Demo Time!

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Putting It All Together

- Integration with multiple tools can paint a better picture for security teams
- Having the ability to visualize data from multiple sources in one window is VALUABLE
- Ability to do high-level analysis on visualized data to come to a quicker conclusion

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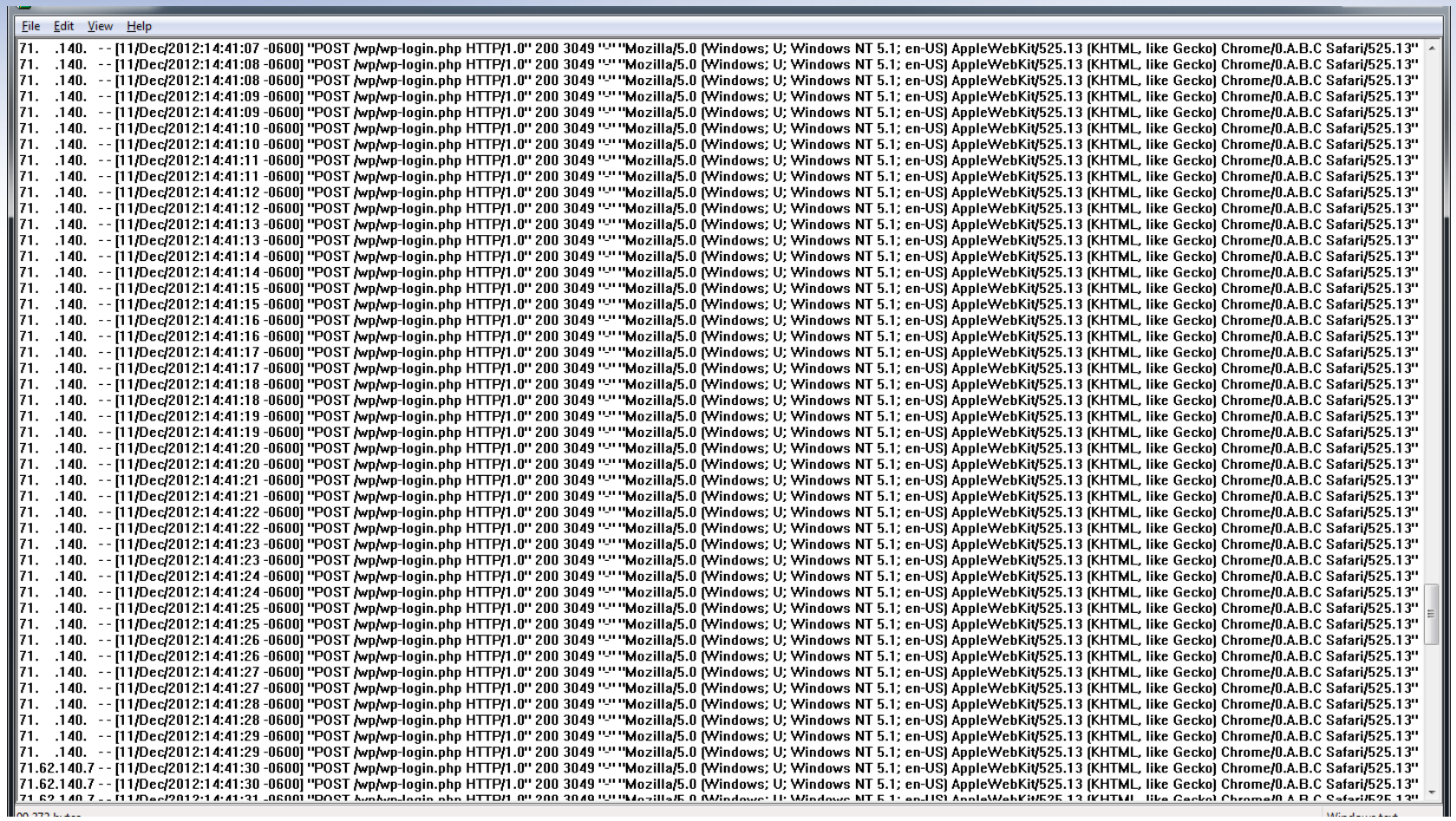
No One Likes Looking At This



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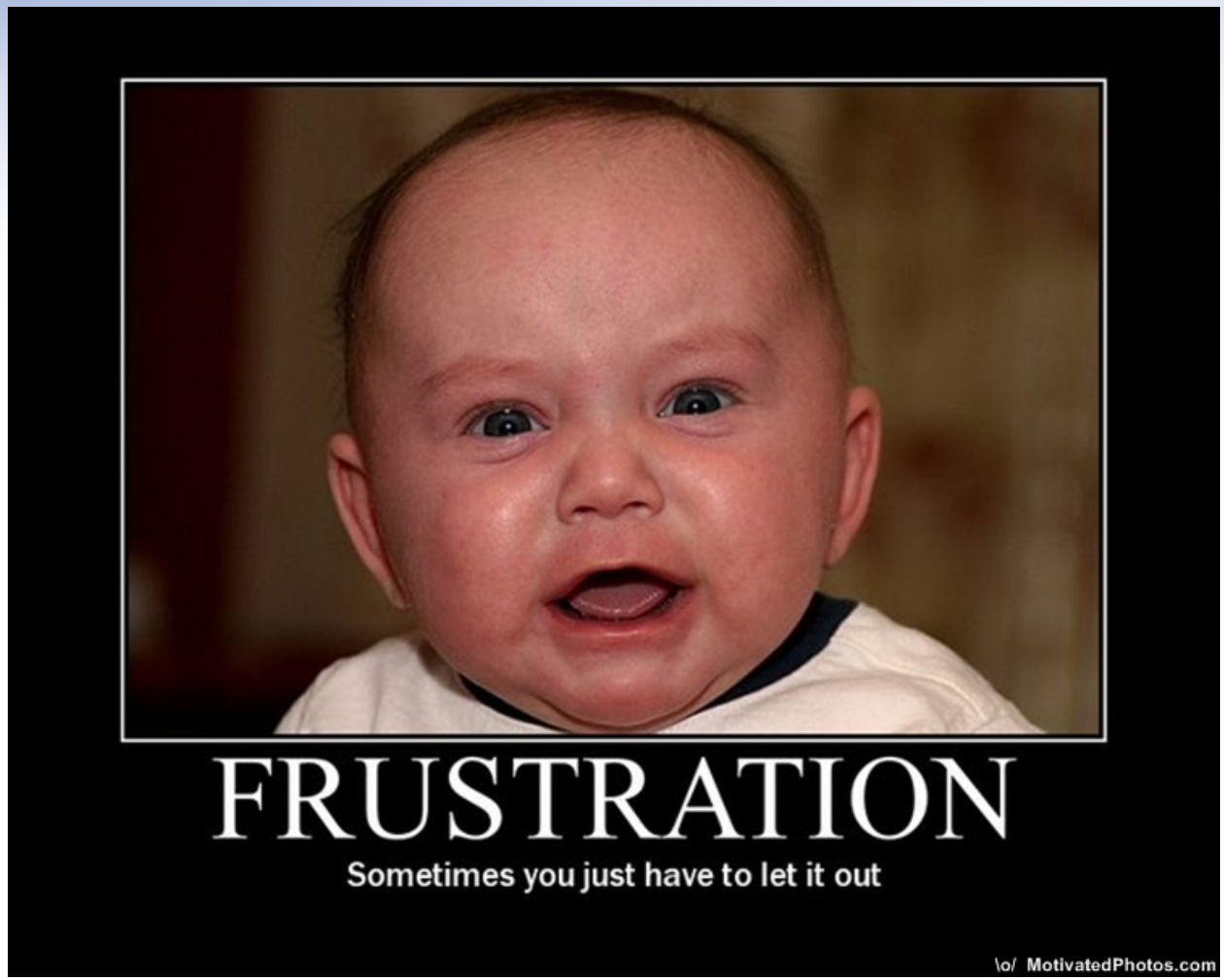
Drives You To Look Like This



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Special Thanks!

- GuidePoint Security (@GuidePointSec)
- Paterva (@Paterva)
- Nadeem Dooba (@ndooba)
- Rich Popson (@Rastafari0726)
- The Canari Framework (@canariframework) and community behind it

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Questions or Feedback?

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