Workshop - module 3 operational oversight

PowerUp Red Team Ops with RedELK

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clear advice with a hacker mindset

Module 3

Operational Oversight

INDICES

RedELK has the following main indices:

- rtops-*: all implant logs
- redirtraffic-* : all traffic logs
- Credentials-*: list of all credentials harvested
- implantsdb: list of all implants

https://github.com/outflanknl/RedELK/blob/master/example-data-and-configs/RedELKFieldnamesV2.md

INDICES

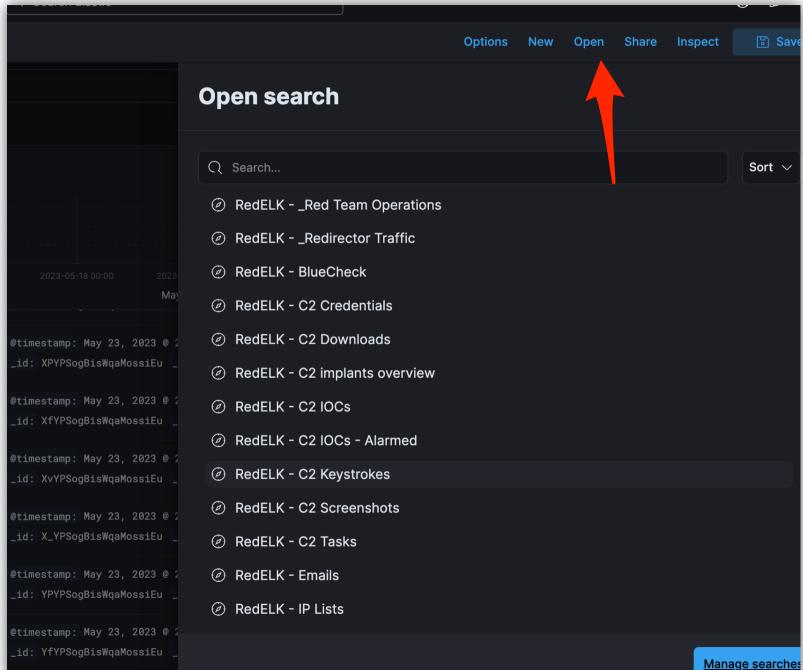
Secondary indices:

- Email-*: ingested emails (beta)
- bluecheck: index with data resulting data from blueteam checks, e.g. domain classification

Background indices - no need to mess with these:

- Redelk-*
- Redelk-domainlist-*
- Redelk-iplist-*
- .siem-signals-*

VIEWS



EASE OF USE

Pre made views and easy insight of:

- implant/beacon logs, including enrichments
- redir traffic, including lots of enrichment
- All implants, plus link to full raw log files
- Downloaded files, plus link to full files
- Screenshots, thumbnail and link to full picture
- Keystrokes
- IOCs as reported by Cobalt Strike
- In the RedELK left side menu:
- link to mitre attack
- Neo4j browser
- Jupyter notebook

BACKGROUND PROCESSES

Enrichment of data in indices by Logstash - on ingest time:

- GeoIP
- Ruby scripts for hyperlinks in Kibana views, e.g. screenshots, implant logs
- Parsing log lines and duplicating for other indices, e.g. implantdb

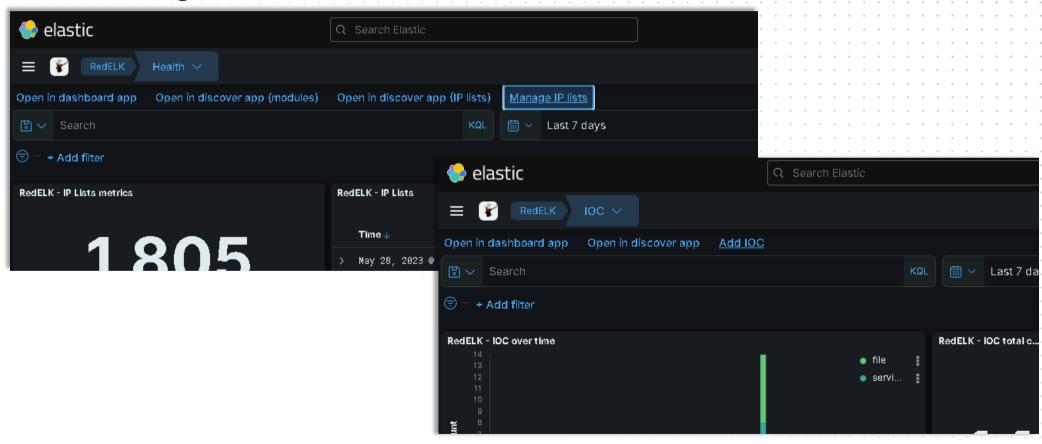
Background scripts:

- Enrichment: implant data, greynoise, domain classification, tor
- rsync to c2 servers and copying relevant files to RedELK server
- Make thumbnails

KIBANA APP

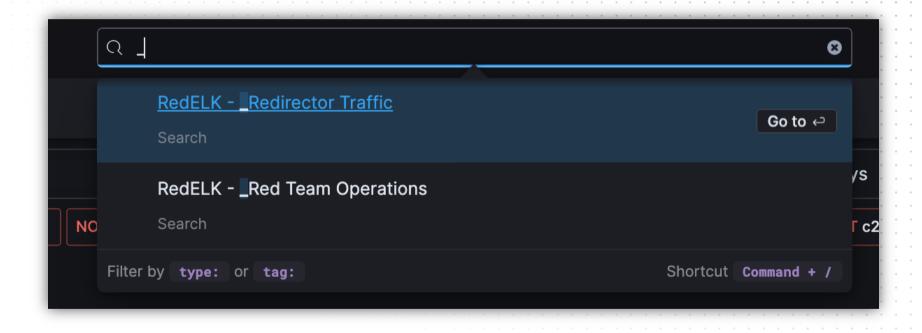
Wrapper for all dashboards +:

- IP lists management
- IOC management



TRICK - SEARCH IN SEARCH

See that _!





2. Use RedELK to get insight into the data

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