

Latest Kunai Updates

An Open-Source Threat-Detection Tool for Linux

https://github.com/kunai-project/

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The idea in short

Having an **open-source** and **free** Sysmon¹ (Microsoft) equivalent for **Linux**

But why?

- Help incident responders
- Threat hunting and detection

Enable you to improve your visibility on you Linux endpoints

 $^{^{1}} https://learn.microsoft.com/en-us/sysinternals/downloads/sysmon\\$

Main features

- Monitor and log many events² (execve, shared object loaded, BPF programs loaded, files read/write/delete ...)
- Events comes with the following:
 - Relevant information to build solid behavioral detections
 - In chronological order
 - Group process/task activity through a uuid
 - Task ancestors tracking
 - Enriched with data from previous events (i.e. network connect/send)
- Accurately track security events generated by Linux container solutions

²https://why.kunai.rocks/docs/category/kunai—events

Detect and React

```
# name of the rule
name: mimic.kthread
# acts as a pre-filter to speed up engine
match-on:
    events:
        # we match on kunai execve and execve_script event ids
        kunai: [1, 2]
matches:
    # 0x200000 is the flag for KTHREAD
    $task is kthread: .info.task.flags &= '0x200000'
    # common kthread names
    $kthread_names: .info.task.name ~= '^(kworker)'
# if task is NOT a KTHREAD but we have a name that looks like one
condition: not $task is kthread and $kthread names
# severity is bounded to 10 so it is the maximum score
severity: 10
```

Any rule may encode actions to take on a given detection

- kill: kill the process triggering the detection
- scan-files: scan files with Yara rules

Same format **modulo a boolean** parameter can be use to craft powerful **log filtering rules**

Many other stuffs

- Configurable with IoCs
 - straightforward format
 - integrated with/in MISP³
- Scan files with Yara
- Correlate with network logs thanks to Community ID⁴
- Run samples in sandbox⁵ and monitor it with Kunai help building detection rules
- Install it as a systemd unit
- Can be run in harden mode to self-protect
- Supported architectures: x86-64, aarch64

 $^{^3}$ https://github.com/MISP/MISP/releases/tag/v2.4.199

⁴https://github.com/corelight/community-id-spec

⁵https://github.com/kunai-project/sandbox

5min pass fast!

If you like the project star it, use it, give feedbacks

GitHub: https://github.com/kunai-project/

X/Twitter: @kunai_project

Mastodon: @kunai_project@infosec.exchange

LinkedIn: https://www.linkedin.com/company/kunai-project/