Effectively using RegRipper 3.0

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What is “RegRipper”?

Open source tool to surgically extract, translate, and display information (both data and metadata) from Registry-formatted files via plugins.

Plugins are Perl scripts; can be opened in Notepad

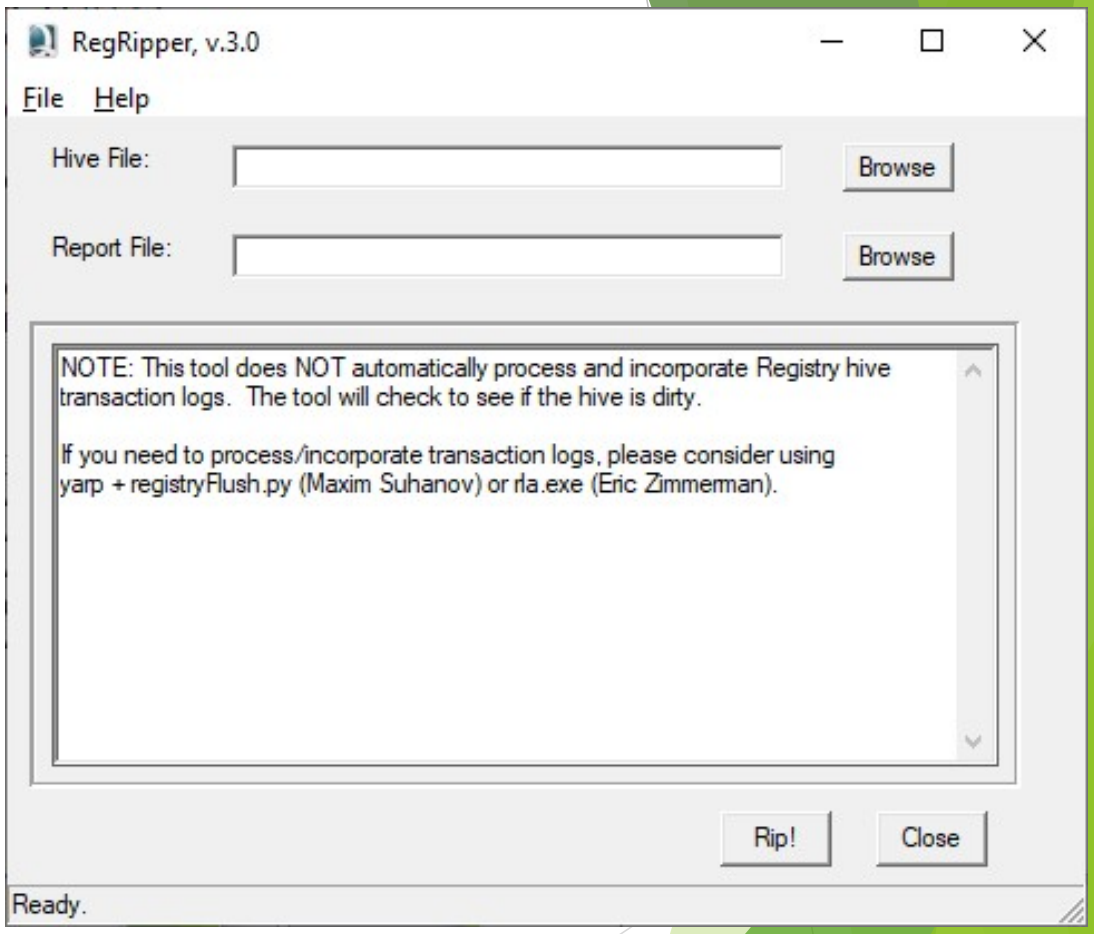
Challenge == interpretation

What's new in 3.0?

Date format – ISO 8601-ish
Ex: 2019-10-02 19:36:40Z

GUI – *RUNALLTHETHINGS!!*

New/updated plugins



https://github.com/keydet89/RegRipper3.0

What's new in 3.0?

Rip.exe usage syntax (excerpt)

-r [hive] .....Registry hive file to parse
-d .....Check to see if the hive is dirty
-g .....Guess the hive file type
-a .....Automatically run hive-specific plugins
-aT .....Automatically run hive-specific TLN plugins
-f [profile].....use the profile
-p [plugin].....use the plugin

Using RR Effectively

RegRipper is *NOT* “complete” out of the box

Take what you learn from previous cases, bake those things back into your investigations, as plugins

Effectiveness depends on:

- Goals of your investigation
- Version of the OS
- Apps installed on system, and their versions
- How much you “bake” new findings back into your analysis process

Using RR Effectively

Plugins created/updated from open sources + testing…

Ex: RID hijacking added to samparse.pl plugin

Ex: Check for RegEdit “Favorites” added to applets.pl plugin

Ex: Novel persistence mechanisms

Ex: MiniNt key

Using RR Effectively

There are a lot of plugins, all of which may not make sense or be entirely useful right away.

Create runbooks (profiles still available via rip.exe) based on your analysis ***goals***

- USB Devices
- Access to mic & webcam

Get granularity & context by correlating Registry data/metadata with other (file system, WEVTX) data sources (timeline)

Future

- Categories
- MITRE ATT&CK mappings
- Analysis Tips – how the output can be used
- References – most plugins have reference URLs in header; add ref URLs to Analysis Tips

Final Notes

I ask that requests be considered thoughtfully.

Recent update to clear GUI textfield between runs was straightforward – tested & updated quickly.

New/updated plugins – can be done quickly, particularly if sample data is provided.

Requests such as “change output format on all plugins to JSON” – consider forking the project.

Questions?