Windows EWF Extractor

Release 0.1

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This project extracts and parses interesting files and data from a Windows EWF image.

The main extracted files are:

- System registry
- User hives
- Internet Navigator History:
 - Edge
 - Internet Explorer
 - Firefox
 - Chrome
- The MFT
- Windows Event Logs

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USAGE

Windows EWF Artifact Extractor

usage: win_ewf_extractor.py [-h] [-c CFG] [-o OUTPUT] [-f EWF_FILE]

1.1 Named Arguments

-c, --cfg YAML configuration file - Possible fields: extract_registry extract_browsers ex-

tract_event_logs extract_mft

-o, --output Output directory for extracted artifacts - ./output by default

-f, --ewf_file Path to first Encase Windows file (.E01 extension)

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REQUIREMENTS

Python dependencies can be installed with using pip:

\$ python3 -m pip install -r requirements.txt

You will also need *sleuthkit* and *libtsk19* installed:

Installation manual here

On debian based systems:

apt-get install sleuthkit libtsk19

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INTERNALS

class modules.artifact_extraction.ArtifactExtractor

This class is an abstract class implemented by modules extracting and parsing a specific artifact.

class modules.disk_utils.EWFImgInfo(ewf_handle)

This class represents a EWF image and contains everything needed by the rest of the project.

 $modules.disk_utils.find_file_systems(img_info: EWFImgInfo) \rightarrow list[pytsk3.FS_Info]$

This function finds the various filesystems in a given EWF image.

modules.disk_utils.find_file(path, fs, root_dir)

Recursively search for a file with the given path

class modules.registry.RegistryExtractor(output_dir, config)

This class implements ArtifactExtractor to extract system Registry

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INDICES AND TABLES

- genindex
- modindex
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PYTHON MODULE INDEX

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