siegfried

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siegfried

- Siegfried is a signature-based file format identification tool.
- It implements:
- the National Archives UK's <u>PRONOM</u> file format signatures
- freedesktop.org's <u>MIME-info</u> file format signatures
- the Library of Congress's <u>FDD</u> file format signatures (**beta**).



roy

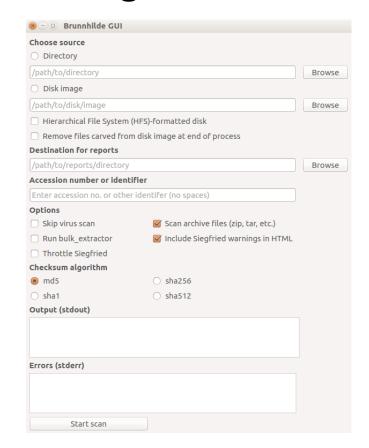
- roy bearbeitet siegfried signature-Dateien
- Kann Signaturen hinzufügen und ausklammern.
- Eigene Sets von Dateiformaten anlegen.

```
"pdfcore":[ "fmt/14 (Acrobat PDF 1.0 - Portable Document Format 1.0)",
   "fmt/15 (Acrobat PDF 1.1 - Portable Document Format 1.1)",
"fmt/16 (Acrobat PDF 1.2 - Portable Document Format 1.2)",
   "fmt/17 (Acrobat PDF 1.3 - Portable Document Format 1.3)",
   "fmt/18 (Acrobat PDF 1.4 - Portable Document Format 1.4)",
"fmt/19 (Acrobat PDF 1.5 - Portable Document Format 1.5)", "fmt/20 (Acrobat PDF 1.6 - Portable Document Format 1.6)", "fmt/276 (Acrobat PDF 1.7 - Portable Document Format 1.7)" ],
"pdfa":[ "fmt/95", "fmt/354", "fmt/476", "fmt/477", "fmt/478", "fmt/479", "fmt/480", "fmt/481" ], ...
```



brunnhilde

 Report Generator für siegfried





Aggregate stats

Overview

Total files: 5

brunnhilde Report

Total size: 161 MB

Years (last modified): 2017 - 2017

Earliest date: 2017-06-19T14:27:35+02:00

Latest date: 2017-06-19T14:27:52+02:00

File contents*

Distinct files: 5

Distinct files that have duplicates: 0

Duplicate copies of distinct files: 0

Empty files: 0

*Calculated by hash value. Empty files are not counted in first three categories. Total files = distinct files + duplicate copies + empty files.

Format identification

Identified file formats: 2

Unidentified files: 0

Siegfried warnings: 0

Errors

Siegfried errors: 0

Virus scan report

----- SCAN SUMMARY ------ Known viruses: 6297599 Engine version: 0.99.2 Scanned directories: 1 Scanned files: 5 Infected files: 0 Data scanned: 9.02 MB Data read: 160.24 MB (ratio 0.06:1) Time: 8.014 sec (0 m 8 s) Date scanned: 2017-06-19 15:53:34.011750

brunnhilde Report

File formats

Format	ID	Count
JPEG File Interchange Format	fmt/43	4
Tagged Image File Format	fmt/353	1

(Return to top)

File formats and versions

Format	ID	Version	Count
JPEG File Interchange Format	fmt/43	1.01	4
Tagged Image File Format	fmt/353		1

(Return to top)

MIME types

MIME type	Count
image/jpeg	4
image/tiff	1

```
scandate : 2017-06-19T15:47:43+02:00
created : 2017-05-20T17:18:49+10:00
identifiers:
   details : 'DROID SignatureFile V90.xml; container-signature-20170330.xml'
filename: 'objects/0000050.jpg'
filesize : 2569072
errors :
   format : 'JPEG File Interchange Format'
filesize: 158644804
errors :
       : 'pronom'
```

```
scandate : 2017-06-19T15:47:43+02:00
created : 2017-05-20T17:18:49+10:00
identifiers:
   details : 'DROID SignatureFile V90.xml; container-signature-20170330.xml'
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       : 'pronom'
```

Siegfried-Ausgabeformate

- YAML
- CSV
- JSON
- DROID-CSV

Kann auch Dateilisten (-dateien) verarbeiten.

DOCX Analyse mit Siegfried und Roy

```
> roy harvest -home .
roy build -limit fmt/412,fmt/494 -home . -name 2
  docxfilter docxfilter.sig
roy build -home docxanalyzer.sig
roy inspect -home . docxanalyzer.sig
Identifiers
Name: pronom
Details: DROID SignatureFile V90.xml; container-
signature-20170330.xml
Number of filename signatures: 1780
Number of MIME signatures: 566
Number of container signatures: 146
Number of XML signatures: 0
Number of byte signatures: 1223
Number of RIFF signatures: 0
Number of text signatures: 1
```

```
roy add -home . -limit x-fmt/263 -name unzipper $(pwd)/
   docxanalyzer.sig
roy inspect -home . docxanalyzer.sig
Identifiers
Name: pronom
Details: DROID_SignatureFile_V90.xml; container-signature-20170330.xml
Number of filename signatures: 1780
Number of MIME signatures: 566
Number of container signatures: 146
Number of XML signatures: 0
Number of byte signatures: 1223
Number of RIFF signatures: 0
Number of text signatures: 1
Name: unzipper
Details: DROID_SignatureFile_V90.xml; containersignature-20170330.xml;
limited to ids: x-fmt/263
Number of filename signatures: 1
Number of MIME signatures: 1
Number of container signatures: 0
Number of XML signatures: 0
Number of byte signatures: 1
Number of RIFF signatures: 0
Number of text signatures: 0
```

```
sf -home . -sig docxfilter.sig -log known,stdout *.docx | ≥ sf -home . -sig docxanalyzer.sig -z -f -
identifiers:
 - name : 'pronom'
 - name : 'unzipper'
    details : 'DROID SignatureFile V90.xml; container-signature-20170330.xml; limited to
ids: x-fmt/263'
filename : '/$(pwd)/00XML.docx'
matches :
  - ns : 'pronom'
    id : 'fmt/412'
    format : 'Microsoft Word for Windows'
   version: '2007 onwards'
    basis : 'extension match docx; container name [Content_Types].xml with byte match
at 1003, 94 (signature 1/3)
          : 'unzipper'
      : 'x-fmt/263'
    format : 'ZIP Format'
mime : 'application/zip'
    basis : 'byte match at [[[0 4]] [[7420 3]] [[7499 4]]]'
    warning: 'extension mismatch'
```

```
filename : '$(pwd)/OOXML.docx#[Content Types].xml'
filesize: 1489
- ns : 'pronom'
   id : 'fmt/101'
- ns : 'unzipper'
        : 'UNKNOWN'
warning : 'no match'
filename : '$(pwd)/00XML.docx#docProps/thumbnail.jpeg'
filesize : 251
- ns : 'pronom'
   format : 'Raw JPEG Stream'
   version:
   mime : 'image/jpeg'
   basis : 'extension match jpeg; byte match at [[[0 3]] [[249 2]]] (signature 1/2)'
 - ns : 'unzipper'
   id : 'UNKNOWN'
warning : 'no match'
```

Links

https://www.itforarchivists.com/siegfried

https://github.com/timothyryanwalsh/brunnhilde

https://github.com/timothyryanwalsh/brunnhilde-gui