

WAS IST EXIFTOOL?

```
$ man exiftool
```

NAME

exiftool - Read and write meta information in files

SYNOPSIS

Reading

```
exiftool [OPTIONS] [-TAG...] [--TAG...] FILE...
```

Writing

```
exiftool [OPTIONS] -TAG[+-<]=[VALUE]... FILE...
```

```
$ exiftool 1424c.pdf
```

```
$ exiftool 1424c.pdf
```

```
File Name           : 1424c.pdf
Directory           : .
File Size            : 2009 kB
File Modification Date/Time : 2018:11:11 19:01:57+01:00
File Access Date/Time   : 2018:11:11 19:03:19+01:00
File Inode Change Date/Time : 2018:11:11 19:03:12+01:00
File Permissions      : rw-r--r--
File Type            : PDF
File Type Extension   : pdf
MIME Type            : application/pdf
PDF Version          : 1.4
Linearized           : No
Page Count           : 59
Language             : de-DE
Tagged PDF           : Yes
XMP Toolkit          : 3.1-701
Producer             : Microsoft® Office Word 2007
Title                : Hewlett-Packard LaserJet MFP w/Jetdirect Inside
Creator              : James Smith
Description           : Example File
Creator Tool         : Microsoft® Office Word 2007
Create Date          : 2013:11:04 08:29:01+01:00
Modify Date          : 2013:11:04 11:42:01+01:00
Part                 : 1
Conformance          : B
Author               : James Smith
Last Modified By     : Grover Palmer
Subject              : Example File
```

WELCHE INFORMATION SIND VERFÜGBAR?

Datum:

Create Date	: 2013:11:04 08:29:01+01:00
Modify Date	: 2013:11:04 11:42:01+01:00

Software:

Producer	: Microsoft® Office Word 2007
Creator Tool	: Adobe InDesign CC 2017 (Windows)
Producer	: PDF-XChange 3.60.0102 (Windows XP)

Benutzer:

Author	: James Smith
Last Modified By	: Grover Palmer
Tag Author Email	: nicole.crawford@omurphy.com
Creator	: ouser15

EXIFTOOL + WEBCRAWLER?

1. DOWNLOAD DER SEITE MIT EINEM WEBCRAWLER

```
wget --wait 1 \  
--recursive \  
--no-clobber \  
--convert-links \  
--restrict-file-names=windows \  
https://www.example.com
```

1. DOWNLOAD DER SEITE MIT EINEM WEBCRAWLER

```
$ ls  
www.example.com
```


2. METADATEN MIT EXIFTOOL EXTRAHIEREN

```
#!/bin/bash

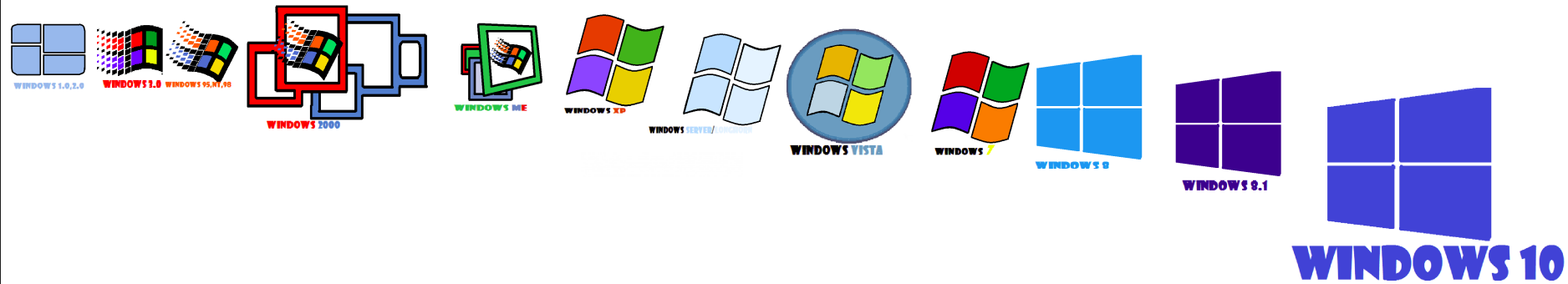
for i in $(find . -type f)
do
    hashsum=$(md5sum $i | cut -d' ' -f 1)
    exiftool $i > ./exiftooloutput/"$hashsum"
done
```

2. METADATEN MIT EXIFTOOL EXTRAHIEREN

```
$ ls exiftooloutput/  
001b3189f0c4cfecf39c65ebc8a4bcfc  
001b76592c46baeb82acb2b3d8ad8676  
0055b7b0301916a8a163b3db7619a033  
00e0526d701f51090e5246a523c75bd3  
01a2139b37fc491eb8ab856d6da6094f  
06748ea233120d7536e68c6288bd3015  
06e990c7599fd46588473b21657171d0  
08a6c32020588ed77ff0598c4049530c  
0ab246be3c697664eae6be1830809e6f  
0c06cfcb9c26a66fcae53e83c3c47ca6  
...
```

3. DATEN AUSWERTEN?

WELCHE SOFTWARE KOMMT ZUM EINSATZ?

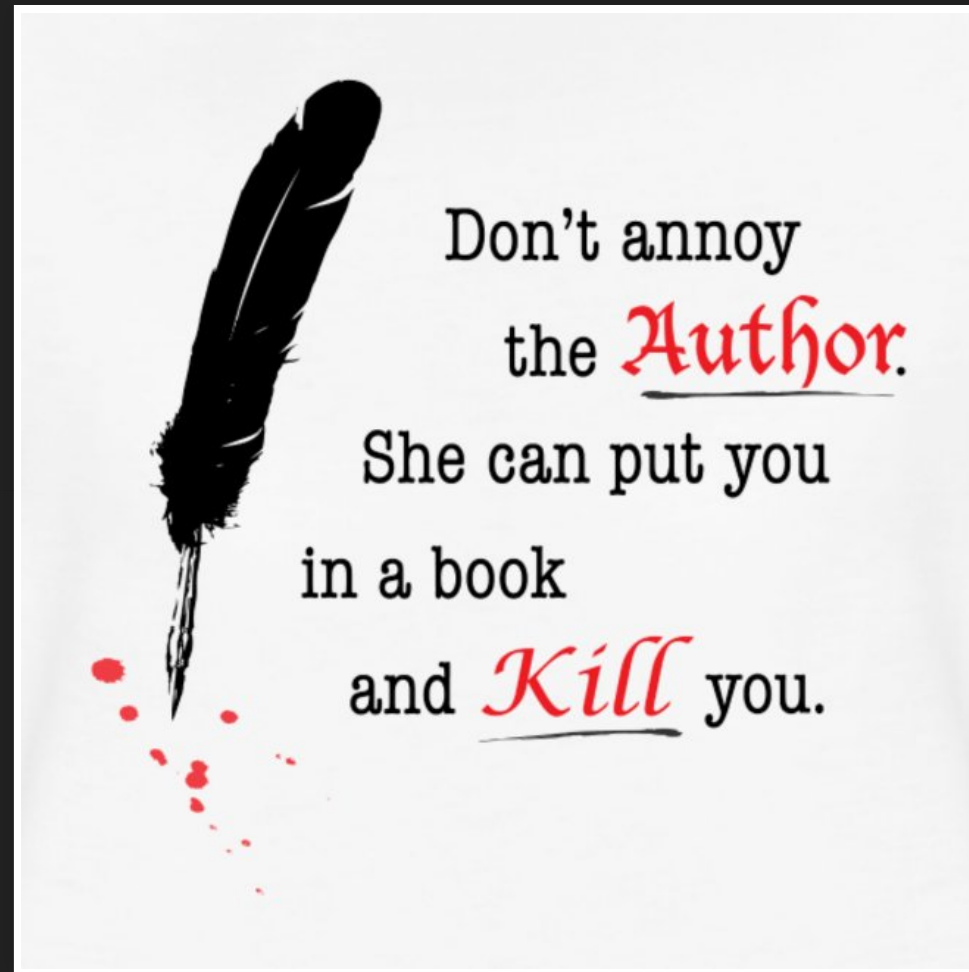


https://orig00.deviantart.net/e1e1/f/2017/019/0/a/all_windows_versions__1_0_10__by_ilaynimni123-davzdk.png

```
$ grep -i -r -E 'software|tool|creator|producer' | cut -d : -f 2-3 | sort | uniq -c | sort -rn
```

```
121 Producer : PDFCreator *****  
121 Creator Tool : PDFCreator *****
```

WER ERSTELLT DIE INHALTE?



<https://image.spreadshirtmedia.com/image-server/v1/compositions/111435042/views/1,width=650,height=650,appearancelid=1,version=1515071370/dont-annoy-the-author-she-can-put-you-in-a-book-and-kill-you.jpg>

WELCHE KAMERA WIRD VERWENDET?



GPS POSITION DER DATEIEN ERMITTELN



GEGENMASSNAHMEN

```
$ exiftool -all= foo.jpg
```

FRAGEN?