

SuperSize Your Internet Timeline

with Google Analytics



Another Forensics Blog
az4n6.blogspot.com

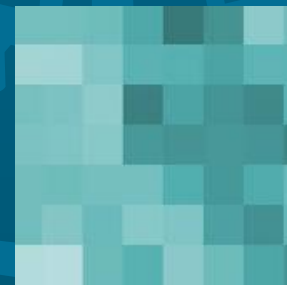
Why should you care?



- Find evidence
- Google Analytics, you're my only hope!



Three Sources



IE Cookie



The screenshot shows a Windows Explorer window titled 'Windows > Cookies'. The address bar contains 'Search Cookies'. The left sidebar shows the navigation pane with 'Dropbox', 'Libraries' (Documents, Music, Pictures, Videos), and 'Homegroup'. The main pane displays a list of files in a table format:

Name	Date created	Date modified
34JFRS6S.txt	10/2/2014 10:02 AM	10/2/2014 10:02 AM
OJEZ16JA.txt	10/2/2014 10:02 AM	10/2/2014 10:02 AM
RBG2PQ54.txt	10/2/2014 10:02 AM	10/2/2014 10:02 AM
OB092FJ4.txt	9/26/2014 8:00 AM	9/26/2014 8:00 AM
VFS0SOPP.txt	9/1/2014 11:06 AM	9/1/2014 11:06 AM
6R19G4SB.txt	8/30/2014 4:50 PM	8/30/2014 4:50 PM
R2D2C3PO.txt	8/30/2014 4:49 PM	8/30/2014 4:49 PM
T3YMSB2E.txt	8/30/2014 4:49 PM	8/30/2014 4:49 PM

The selected file 'RBG2PQ54.txt' is shown in the status bar at the bottom with the following details:

- File icon: Text Document
- Name: RBG2PQ54.txt
- Date modified: 10/2/2014 10:02 AM
- Size: 269 bytes

IE Cookie

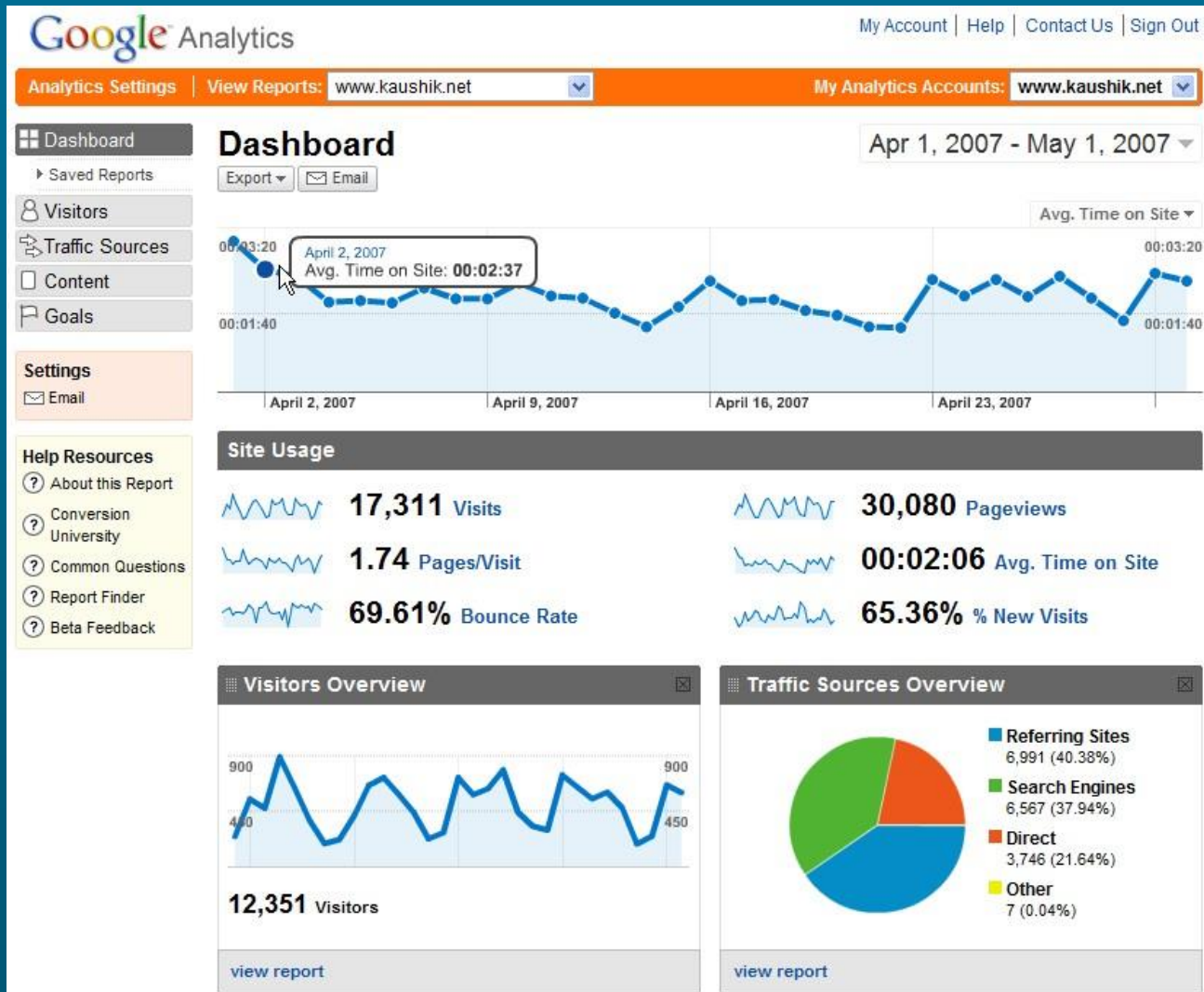


```
1 WT_FPC
2 id=2c395695eea83e635188306873392836:ly=1385094034083:sa=1385094034083
3 microsoft.com/
4 1024
5 3888600320
6 31071080
```

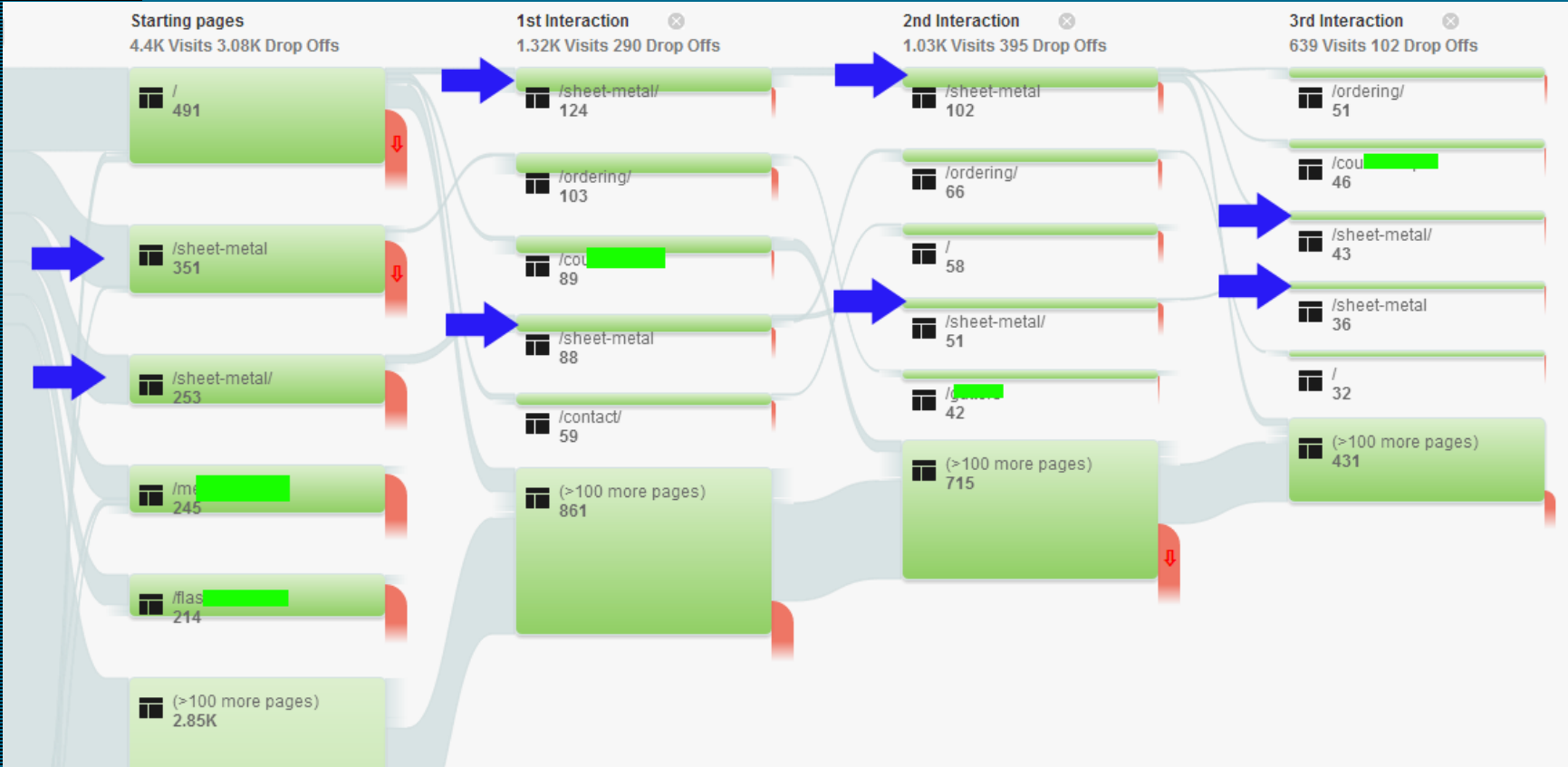
Type		Last Visited [UTC]	Last Visited [Local]	Hits	User	URL	Host
cookie	<input type="checkbox"/>	10/26/2013 10:32:03 PM Sat	10/26/2013 3:32:03 PM Sat	1513	administrator	Cookie:administrator@adnxs.com/	adnxs.com
cookie	<input type="checkbox"/>	10/26/2013 10:32:03 PM Sat	10/26/2013 3:32:03 PM Sat	150	administrator	Cookie:administrator@openx.net/	openx.net
cookie	<input type="checkbox"/>	10/26/2013 10:32:04 PM Sat	10/26/2013 3:32:04 PM Sat	34	administrator	Cookie:administrator@pointroll.com/	pointroll.com
cookie	<input type="checkbox"/>	10/26/2013 10:32:04 PM Sat	10/26/2013 3:32:04 PM Sat	170	administrator	Cookie:administrator@ads.pointroll.com/	ads.pointroll.com
cookie	<input type="checkbox"/>	10/26/2013 10:32:15 PM Sat	10/26/2013 3:32:15 PM Sat	285	administrator	Cookie:administrator@tribalfusion.com/	tribalfusion.com
cookie	<input checked="" type="checkbox"/>	10/26/2013 10:32:33 PM Sat	10/26/2013 3:32:33 PM Sat	404	administrator	Cookie:administrator@pubmatic.com/	pubmatic.com

```
7 30332812
8 *
9 A
10 I&I=AxUFAAAAAAC1CQAAtd985N1H9L85BG6vEPmPSw!!&V=4
11 microsoft.com/
12 1024
13 2652160384
14 30479671
15 1245742060
16 30332812
17 *
18
```

What is GA?



Behavior Flow



GA Process

```
<p><a href="/de/Die-Welt-verstehen/360_C2_B0-GR...></p></div>
<div class="header header_3" title="360° - GEO Re...>
  <div style="position: absolute; top: 0px; left: 0px; width: 100%; height: 100%; background-color: #000; color: #fff; font-size: 12px; line-height: 1.2; padding: 5px;">
    <a href="http://plus7.arte.tv/de/streamin...>
    <span class="pseudo_h2">Sendung verp...
    <img src="/118n/content/tv/02_Driver...
  </div>
</div>
08.12.21/Er/arte_2B7.jpg/2384230,template:st...
</a>
```



GA Cookie



```
1  __utma
2  226104841.611228744.1387124603.1387126762.1387132234.3
3  bitwiseforensics.com/
4  1088
5  3713353088
6  30488422
7  3956575207      Created      2nd Most      Most Recent      Session # (Hits)
8  30341571        Recent Visit  Visit
9  *
10 __utmz
11 226104841.1387132234.3.3.utmcsr=bing|utmccn=(organic)|utmcmd=organic|utmctr=tucson%20forensics
12 bitwiseforensics.com/
13 1088
14 2821399936
15 30378284
16 3956385196      Most Recent      Source
17 30341571        Visit
18 *
19
20 __utmb
21 226104841.12.10.1387132234
22 bitwiseforensics.com/
23 1088
24 480901504
25 30341576
26 3956585207
27 30341571
28 *
29
```

Created 2nd Most Most Recent Session # (Hits)
Recent Visit Visit

Most Recent
Visit

Source

Keywords

Pageviews

Time of session

Cookie vs Ga Cookie



- 1 Date
- Host Name
- Hit Count



- 3 Dates
- Host Name
- Hit Count/Page View
- Source
- Keyword
- Referring Page



Help

Select Browser

- | | |
|--|-------------------------------|
| <input checked="" type="radio"/> Internet Explorer | FireFox |
| <input type="radio"/> Chrome | <input type="radio"/> v.5-17 |
| <input type="radio"/> Safari Plist Cookie | <input type="radio"/> v.18-25 |

Browser Instructions

Default location for cookies is under
<user_profile>\AppData\Roaming\Microsoft
\Windows\Cookies. Select the folder where the
cookies are stored or select exported folder

For IE11 on Windows 8: <user_profile>\Local
\Microsoft\Windows\INetCookies and
<user_profile>\Local\Microsoft\Windows
\INetCookies\low

Cookie Location:

C:\Users\HanSolo\Documents\HTCIA\IE Cookie Tes

Export Reports Location (All Times UTC):

C:\Users\HanSolo\Documents\Test output

gmail.com/intl/
gmail.com/intl/
client.teamviewer.com/
client.teamviewer.com/
client.teamviewer.com/
juniper.net/
juniper.net/
juniper.net/
wordpress.com/
wordpress.com/
wordpress.com/
howtogeek.com/
howtogeek.com/
howtogeek.com/
blogger.com/
blogger.com/
blogger.com/
kb.mozillazine.org/
kb.mozillazine.org/
kb.mozillazine.org/
livefyre.com/
mozillazine.org/
mozillazine.org/
mozillazine.org/
mozilla.org/
mozilla.org/
mozilla.org/
cclgrouppltd.com/
cclgrouppltd.com/
cclgrouppltd.com/
viaforensics.com/
viaforensics.com/
viaforensics.com/

Output utma



Host	Cookie Creation Time	2nd Most Recent	Most Recent Visit	Hits
.reddit.com	10/18/2013 3:59	12/14/2013 6:24	12/14/2013 15:48	164
imgur.com	10/18/2013 3:59	12/14/2013 6:25	12/14/2013 15:49	148
.twitter.com	8/19/2013 5:33	12/14/2013 19:57	12/14/2013 20:05	76
.stipple.com	10/18/2013 4:23	12/14/2013 7:27	12/14/2013 15:49	74
.lastpass.com	8/18/2013 2:13	12/13/2013 4:17	12/14/2013 20:05	63
.blogger.com	8/18/2013 14:13	12/14/2013 21:31	12/14/2013 21:41	63
.stackoverflow.com	10/16/2013 17:22	12/13/2013 5:35	12/13/2013 17:13	19
.elfster.com	12/3/2013 2:05	12/6/2013 5:01	12/6/2013 7:28	10
.code.google.com	11/7/2013 14:45	12/12/2013 18:02	12/12/2013 22:43	9

Output utmb



Host	Page Views	Outbound Links	Start Current Session
.dfinews.com	1	10	12/14/2013 21:42
.blogger.com	4	10	12/14/2013 21:41
.forensicfocus.com	1	10	12/14/2013 21:57
.nirsoft.net	2	10	12/14/2013 21:58

Output utmz



Host	Last Update	Source	Keyword
.yorkphoto.com	12/11/2013 17:15	google	cheap%20photo%20prints

Google

Cheap
photo prints

yorkphoto.com

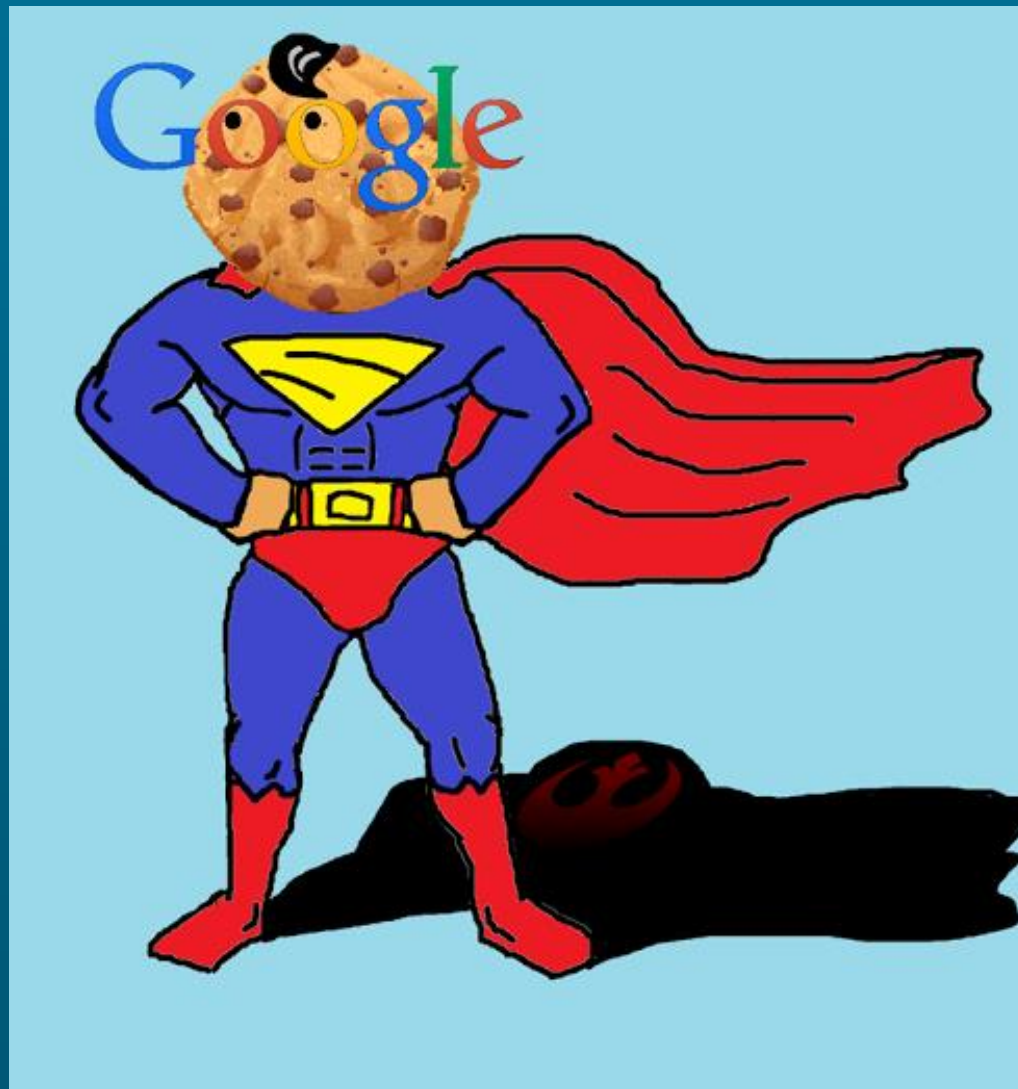
Host	Last Update	Source	Keyword	ReferringPage
.secureworks.com	5/7/2014 10:16	windowsir.blogspot.com	not found	/2014/05/new-stuff.html

Windowsir.blogspot.com

/2014/05/new-stuff.html

Secureworks.com

Elevate it even further



Carving



```
1  __utma
2  55650728.1836601702.1401669429.1401669429.1401669429.1
3  reddit.com/
4  1600
5  3125285376
6  30522269
7  3376106274
8  30375418
9  *
0  __utmb
1  55650728.2.9.1401669429
2  reddit.com/
3  1600
4  4187801088
5  30375422
6  3376116274
7  30375418
8  *
```


Scalpel.conf



```
#GOOGLE ARTIFACTS
```

```
#-----
```

```
---
```

```
txt y 1000 ___ utma *
```

```
txt y 1000 ___ utmb *
```

```
txt y 1000 ___ utmz *
```

```
#
```

```
#-----
```

GA-Parser



- GA-Parser.py -f filename -o directory --ie
- GA-Parser.py -d directory -o directory --ie
- --chrome, --firefox, --apple
- RAM
- Pagefile / Hiberfil.sys
- DD Image

Build out __utma



Host	Created	2nd Most Recent	Most Recent	Hits
.youtube.com	5/12/2013 6:40	7/6/2013 7:16	7/6/2013 19:18	28
.youtube.com	5/12/2013 6:40	7/13/2013 18:05	7/14/2013 21:39	30
.youtube.com	5/12/2013 6:40	8/11/2013 21:18	8/17/2013 6:03	32
.youtube.com	5/12/2013 6:40	9/13/2013 7:37	9/15/2013 9:07	39
.youtube.com	5/12/2013 6:40	9/15/2013 9:07	9/24/2013 6:43	40
.youtube.com	5/12/2013 6:40	9/29/2013 6:14	9/29/2013 8:01	44
.youtube.com	5/12/2013 6:40	10/3/2013 22:46	10/4/2013 0:41	66
.youtube.com	5/12/2013 6:40	10/4/2013 0:41	10/4/2013 6:23	65
.youtube.com	5/12/2013 6:40	10/8/2013 1:14	10/8/2013 5:52	72
.youtube.com	5/12/2013 6:40	10/8/2013 5:52	10/18/2013 6:18	98
.youtube.com	5/12/2013 6:40	10/18/2013 6:18	10/26/2013 10:31	136

Build out __utmb



Host	Page Views	Start Current Session
.youtube.com	15	7/6/2013 19:18
.youtube.com	30	7/14/2013 21:39
.youtube.com	30	8/17/2013 6:03
.youtube.com	30	9/15/2013 9:07
.youtube.com	96	9/24/2013 6:43
.youtube.com	24	9/29/2013 8:01
.youtube.com	296	10/4/2013 0:41
.youtube.com	2	10/4/2013 6:23
.youtube.com	51	10/8/2013 5:52
.youtube.com	51	10/18/2013 6:18
.youtube.com	299	10/26/2013 10:31

Build out __utmz



Host	Last Update	Keyword
.youtube.com	7/6/2013 19:18	NSFW Videos
.youtube.com	7/14/2013 21:39	Stuff to get me fired
.youtube.com	8/17/2013 6:03	Grumpy Cat
.youtube.com	9/15/2013 9:07	NSFW Videos
.youtube.com	9/24/2013 6:43	NSFW Videos
.youtube.com	9/29/2013 8:01	Best 2013 NSFW Videos
.youtube.com	10/4/2013 0:41	NDFW Vidoes
.youtube.com	10/4/2013 6:23	How to Embezzle
.youtube.com	10/8/2013 5:52	Really NSFW Videos
.youtube.com	10/18/2013 6:18	!!! Ewoks gone wild !!!
.youtube.com	10/26/2013 10:31	Really Really NSFW Videos

Combine



utma



utma



utmb utma utmz



utmz



Host	Creation Time	2nd Most Recent	Most Recent	Page Views	Hits	Source	Keyword
.youtube.	5/12/2013 6:40	7/6/2013 7:16	7/6/2013 19:18	15	28	google	NSFW Videos
.youtube.	5/12/2013 6:40	7/13/2013 18:05	7/14/2013 21:39	30	30	google	Stuff to get me fired
.youtube.	5/12/2013 6:40	8/11/2013 21:18	8/17/2013 6:03	30	32	google	NSFW Videos
.youtube.	5/12/2013 6:40	9/13/2013 7:37	9/15/2013 9:07	30	39	google	NSFW Videos
.youtube.	5/12/2013 6:40	9/15/2013 9:07	9/24/2013 6:43	96	40	google	NSFW Videos
.youtube.	5/12/2013 6:40	9/29/2013 6:14	9/29/2013 8:01	24	44	google	Best 2013 NSFW Vidoes
.youtube.	5/12/2013 6:40	10/3/2013 22:46	10/4/2013 0:41	296	66	google	NSFW Vidoes
.youtube.	5/12/2013 6:40	10/4/2013 0:41	10/4/2013 6:23	2	65	google	How to Embezzle
.youtube.	5/12/2013 6:40	10/8/2013 1:14	10/8/2013 5:52	51	72	google	Really NSFW Videos
.youtube.	5/12/2013 6:40	10/8/2013 5:52	10/18/2013 6:18	51	98	google	NSFW Vidoes Gone Wild
.youtube.	5/12/2013 6:40	10/18/2013 6:18	10/26/2013 10:31	299	136	google	Really Really NSFW Vidoes

Cookie vs Ga Cookie



- 1 Date
- Host Name
- Hit Count



- Many Dates
- Host Name
- Hit Count/Page Views
- Source
- Keyword
- Referring Page

GA Process

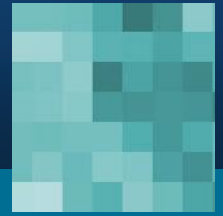
```
<p><a href="/de/Die-Welt-verstehen/360_G2_B0-G2...></p>
</div>
<div class="header header_3" title="360" - SEO Re...>
<div style="position: absolute; top: 0px; left: 0px; width: 100%; height: 100%; background-color: #000; color: #fff; font-size: 10px; line-height: 1.2; padding: 5px;">
<a href="http://plus7.arte.tv/idee-stream...>
<span class="pseudo_B0">Sendung vespe...>
<img src="/118n/confete/ty02_Drives...>
</div>
08.12.21/fr/arte_2B7.jpg/2884230,template114351ed.p...
```



Google

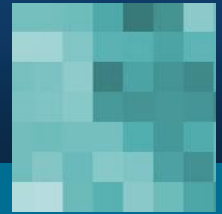


__utm.gif?



- [http://www.google-analytics.com/__utm.gif?utmwv=5.4.3&utms=4&utmn=1046933378&utmhn=www.deviantart.com&utme=8\(user-type\)9\(visitor\)11\(1\)&utmcs=windows-1252&utmsr=1600x900&utmvp=1583x754&utmssc=24-bit&utmul=en-us&utmje=0&utmfl=11.7%20r700&utmdt=deviantART%20%3A%20Log%20In&utmhid=1021688701&utmr=0&utmp=%2Fusers%2Fwrongpassword%3Fusername%3Dmdegrazia%26ref%3Dhttp%25253A%25252F%25252Fwww.deviantart.com%25252F&utmht=1373048611329&utmcc=__utma%3D212885643.1758037532.1373048500.1373048500.1373048500.1%3B%2B__utmz%3D212885643.1373048500.1.1.utmcsr%3Dgoogle%7Cutmccn%3D\(organic\)%7Cutmcmd%3Dorganic%7Cutmctr%3D\(not%2520provided\)%3B&utmu=qR~](http://www.google-analytics.com/__utm.gif?utmwv=5.4.3&utms=4&utmn=1046933378&utmhn=www.deviantart.com&utme=8(user-type)9(visitor)11(1)&utmcs=windows-1252&utmsr=1600x900&utmvp=1583x754&utmssc=24-bit&utmul=en-us&utmje=0&utmfl=11.7%20r700&utmdt=deviantART%20%3A%20Log%20In&utmhid=1021688701&utmr=0&utmp=%2Fusers%2Fwrongpassword%3Fusername%3Dmdegrazia%26ref%3Dhttp%25253A%25252F%25252Fwww.deviantart.com%25252F&utmht=1373048611329&utmcc=__utma%3D212885643.1758037532.1373048500.1373048500.1373048500.1%3B%2B__utmz%3D212885643.1373048500.1.1.utmcsr%3Dgoogle%7Cutmccn%3D(organic)%7Cutmcmd%3Dorganic%7Cutmctr%3D(not%2520provided)%3B&utmu=qR~)

Cheat Sheet



Cheatography

Google Analytics UTM Parameters (v2) Cheat Sheet by Jay Taylor (Jay Taylor) via cheatography.com/573/cs/254/

Hit / Campaign Parameters

utmcc	Account ID (e.g. UA-123456-1)
utmcc	Analytics Cookie string
utmcn	New campaign visit?
utmcr	Repeat campaign visit?
utmdt	Page title
utmhn	Hostname
utmp	Page path
utmr	Full referral URL

utmcc contains the combined strings of the `__utma` and `__utmz` Google Analytics cookies. This string is URL encoded.

The **utmcn** and **utmcr** parameters never appear in the same request and both only appear with a value of '1'.

Environment Parameters

utmcs	Character set (e.g. ISO-8859-1)
utmfl	Flash version
utmip	IP address

e-Commerce Parameters (Transactions)

utmtci	Billing City
utmtco	Billing Country
utmtrg	Billing Region
utmtid	Order ID
utmtst	Affiliation / Store name
utmtsp	Shipping cost
utmtto	Order Total (inc. tax and shipping)
utmttx	Tax cost

The **utmtid** order ID must be unique for each order, otherwise Google Analytics will group multiple transactions under a single entry. All monetary fields should be filled in without a currency symbol, e.g.: **12.50**

e-Commerce Parameters (Items)

utmtid	Order ID
utmipc	Product code / SKU
utmipn	Product name
utmipr	Product price
utmiqt	Quantity

Social Parameters

utmsa	Social action (e.g. 'share', 'tweet')
utmsid	Social destination (optional)
utmsn	Social network name

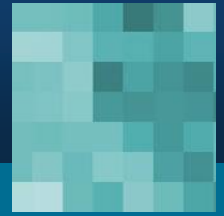
These values are sent by `_trackSocial` requests only.

Internal Parameters

utmhid	Hit ID, random number
utmn	Random ID to prevent gif caching
utms	Requests made this session (max. 500)
utmt	Request type (e.g. 'event', 'tran' etc...)
utmu	Client usage / Error data (encoded)
utmvid	Visitor ID
utmwv	Tracking code version
guid	Send Globally Unique Identifier

utms increments with each successive request made for the current session. After 500, hits will be ignored.

Manually Parsed



Host Title: www.deviantart.com

Page Title: [deviantART : Log In](#)

Page Request:

[/users/wrongpassword?username=admackbar
&ref=http://www.deviantart.com](/users/wrongpassword?username=admackbar&ref=http://www.deviantart.com)

First Visit = [7/5/2013 6:21:40 PM](#)

Previous = [7/5/2013 6:21:40 PM](#)

Last Visit = [7/5/2013 6:21:40 PM](#)

Locations



C:\Users\%USERNAME%\AppData\Local\
Mozilla\Firefox\Profiles\%RANDOM%.defau
lt\Cache



C:\Users\%USERNAME%\AppData\Local\
Google\Chrome\User Data\Default\Cache



C:\Users\%USERNAME%\Library\Caches\
com.apple.Safari\cache.db



C:\Users\%USERNAME%\Local\Microsoft\
Windows\WebCache\WebCacheV01.dat

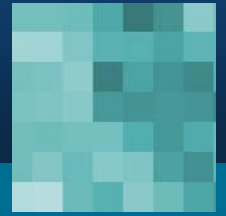
Supersize it!



Firefox Cache File

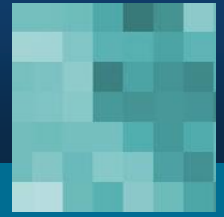
```
SYN NUL,,ôpñi<Sf<H4-,;K±)0/?Q_U`¤SOšC/'*W4ÿNULA*:Sÿ$O`QŠš\...!`Ãaa|Û@%ôD  
BSFF; *ÛETB»¡ô@+RyÛDC4`cs[ENO:DC2ùÑETB1SOHiGS~žÇ@á%`{:%STXù4!`yBŠiBêa  
éNULGS-ESC SOHc`•ENONUL,`fki'CANP`MnfÑ-,ÿNUL~Q:%DC1`B(SOHENO#ÓÛxÖ]`Ac  
NULNULNULNULNUL#NULNULSTXDC3NULNULDLE1HTTP:  
https://ssl.google-analytics.com/utm.gif?utmwv=5.4.6&utms=1&utmh=828  
l=en-us&utmje=0&utmcl=11.9%201900&utmcmd=tracking%20Code%20Overview%20-  
4n6.blogspot.com%2F2013%2F07%2Fgoogle-analytic-values-in-cache-files.h  
1387061012364&utmcc=UA-24532603-1&utmcc=__uma%3D171161141.344512501.1  
pot.com%7Cutmccn%3D(referral)%7Cutmcmd%3Dreferral%7Cutmccct%3D%2F2013%2  
NULrequest-methodNULGETNULresponse-headNULHTTP/1.1 200 OK  
Age: 103880  
Alternate-Protocol: 443:quic  
Cache-Control: private, no-cache, no-cache=Set-Cookie, proxy-revalidat  
Content-Length: 35  
Content-Type: image/gif  
Date: Fri, 13 Dec 2013 17:51:54 GMT  
Expires: Wed, 19 Apr 2000 11:43:00 GMT  
Last-Modified: Wed, 21 Jan 2004 19:51:30 GMT  
Pragma: no-cache  
Server: Golfe2  
x-content-type-options: nosniff  
X-Firefox-Spdy: 3
```

Scalpel.conf



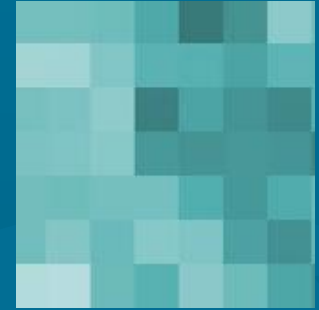
```
#-----  
#GOOGLE ARTIFACTS  
#-----  
  
txt y 1000 __utma *  
txt y 1000 __utmb *  
txt y 1000 __utmz *  
  
cache n 1000 google-analytics.com/__utm.gif?  
  
#  
#-----
```

GA-Parser



- GA-Parser.py -f webcacheVD1.dat -o directory --gif
- GA-Parser.py -d "C:\path\exportedfiles" -o output --gif
- Ram
- Pagefile / Hiberfil.sys
- DD Image

Cookie vs (GA Cookie+Cache)

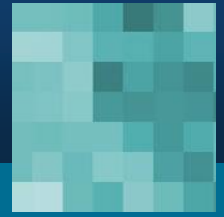


- 1 Date
- Host Name
- Hit Count

- Many Dates
- Host Name
- Hit Count
- Source
- Keyword
- Referring Page

- GA Cookie
- Page Title
- Page Req
- Source
- Keyword

inPrivate



ESEDatabaseView: C:\Users\Forensics\Documents\Cases\GA Test\Win 7 L...

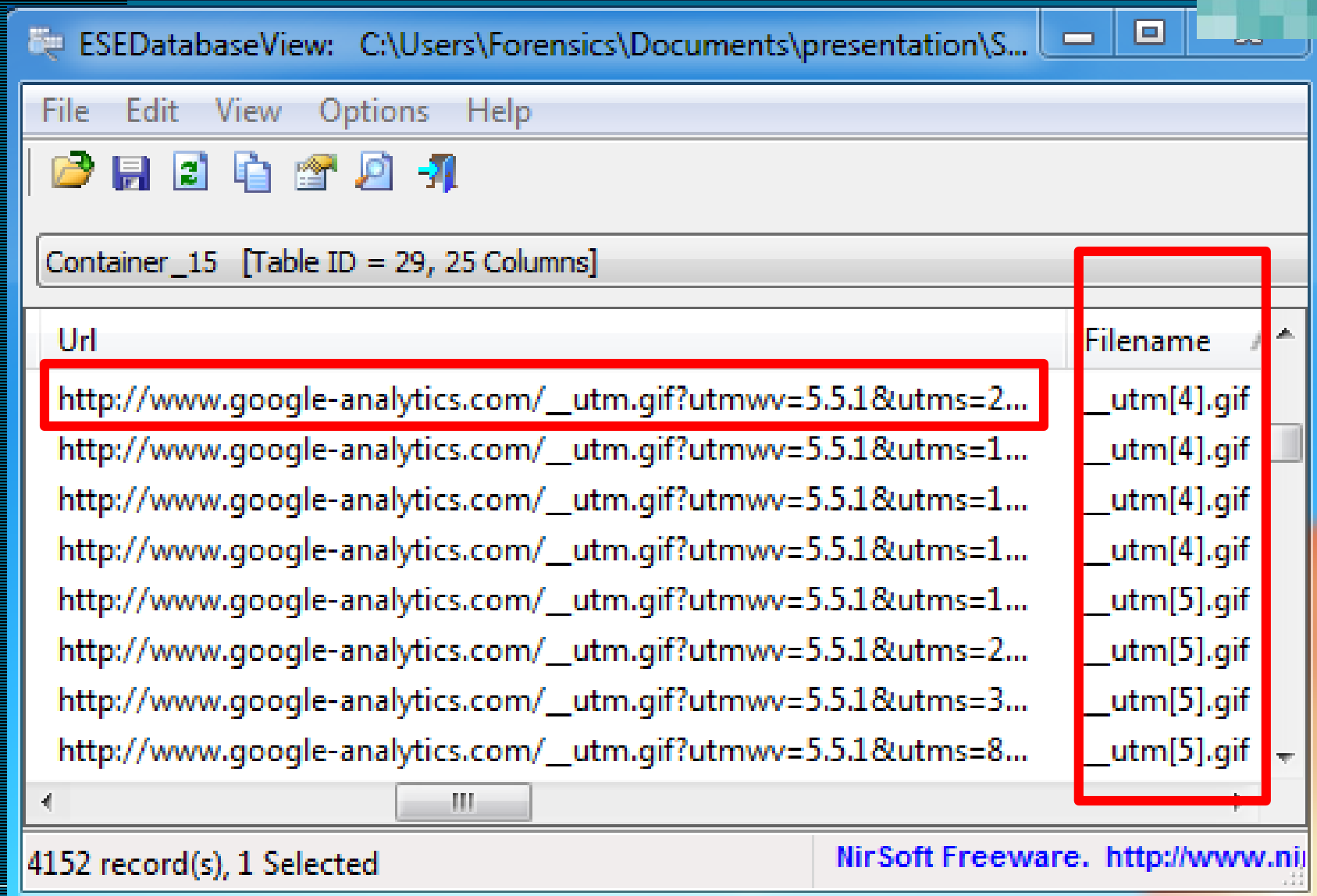
File Edit View Options Help

Container_11 [Table ID = 21, 25 Columns]

elta	Url	Filename
	PrivacIE:s-msn.com/i/E2/*/37BA92E210D341BFDBF4126422A3D2.gif	
	PrivacIE:s-msn.com/i/en-us/*/30.gif	
	PrivacIE:2mdn.net/ads/richmedia/*/Nissan_Sentra_MSN_300x250_bakcup.jpg	
	PrivacIE:bing.com/widget/ls/*/l	
	PrivacIE:googlesyndication.com/pagead/js/*/lidar.js	
	PrivacIE:s-msn.com/i/91/*/17EE50AB116E8AA4C9DBF88AEA85D0.jpg	

91 record(s) NirSoft Freeware. <http://www.nirsoft.net>

InPrivate



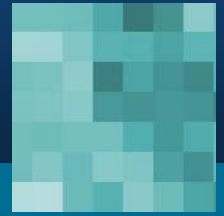
The screenshot shows a database viewer window titled "ESEDatabaseView: C:\Users\Forensics\Documents\presentation\S...". The window displays a table with the following columns: "Url" and "Filename". The table contains 4152 records, with 1 record selected. The selected record is highlighted with a red box. The URL for this record is "http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=2...", and the corresponding filename is "_utm[4].gif".

Url	Filename
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=2...	_utm[4].gif
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=1...	_utm[4].gif
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=1...	_utm[4].gif
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=1...	_utm[4].gif
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=1...	_utm[5].gif
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=2...	_utm[5].gif
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=3...	_utm[5].gif
http://www.google-analytics.com/_utm.gif?utmwv=5.5.1&utms=8...	_utm[5].gif

4152 record(s), 1 Selected

NirSoft Freeware. <http://www.nirsoft.net/>

Not So Private



<http://a.abcnews.com/assets/images/navigation/weather/36.png>

<http://a.abcnews.com/assets/player/amp/common/bar.png>

F	G	H	I	J	K
utma_last	utma_h	utmhn_hostname	udmt_page_title	utmp_page_request	tutmr_full_referral URL
6/2/2014 22:42	1	www.mysanantonio.com	NRA blasts Open Carry Texas after San Antonio incident	/default/article/NRA-blasts-Open-C	http://www.reddit.com/r/news/
6/2/2014 22:42	1	abcnews.go.com	12-Year-Old Wisconsin Girls Charged in Stabbing - ABC	/US/wireStory/12-year-wisconsin-gi	http://www.reddit.com/r/news/
6/2/2014 22:42	1	bringmethenews.com	Charges: Neighbor pulls gun on dad teaching daughter	/2014/06/02/neighbor-pulls-gun-on	http://www.reddit.com/r/news/
6/2/2014 22:43	1	www.monroenews.com	Al Barron reinstated as Monroe Public Schools teacher	/news/2014/jun/01/al-barron-reins	http://www.reddit.com/r/news/
6/2/2014 22:43	1	www.rawstory.com	Virginia atheist couple: Court-appointed officiant told	/rs/2014/05/30/virginia-atheist-cou	http://www.reddit.com/r/news/
6/2/2014 22:44	1	www.wsbtv.com	Woman shoots at would-be home intruders www.ws	/news/news/local/woman-shoots-w	http://www.reddit.com/r/news/
6/2/2014 22:44	1	www.kirotv.com	Seattle to get \$15 minimum wage -- nation's highest	/news/news/seattle-city-coucil-ma	http://www.reddit.com/r/news/

Host Name: abcnews.go.com

Page Title: [12-Year-Old Wisconsin Girls Charged in Stabbing - ABC News](#)

Request: </US/wireStory/12-year-wisconsin-girls-stab-friend-19-times-23959855>

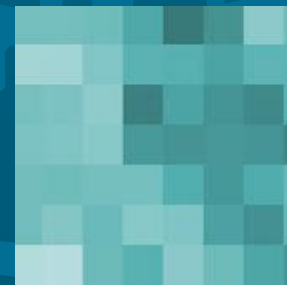
Hit Count : 1

Cell Phones

- Backups
- Cookies
- Cache
- Applications
- Unallocated



Three Sources



Summary

- Search `__utm[abz]` , `__utm.gif`?
 - Export out relevant files
 - Run Cookie Cruncher (logical cookies)
 - Run GA-Parser (unallocated / kitchen sink)
 - Build out Timeline (gray matter)
-

Questions

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