

GCHQ, the British signals intelligence agency, prepared the following PowerPoint slideshow presentation for a top-secret intelligence conference in 2012, revealing a pilot program called Squeaky Dolphin.

Documents taken from the National Security Agency by Edward Snowden and obtained by NBC News detail how British cyber spies demonstrated to their U.S. partners in 2012 the ability to monitor YouTube and Blogger in real time and collect addresses from the billions of videos watched daily, as well as some user information, for analysis. At the time the documents were printed, GCHQ was also able to spy on Facebook and Twitter. Called “Psychology A New Kind of SIGDEV,” (Signals Development), the presentation includes a section that spells out “Broad real-time monitoring of online activity” of YouTube videos, URLs “liked” on Facebook, and Blogspot/Blogger visits. The monitoring program is called “Squeaky Dolphin.”

NBC News is publishing the documents with minimal redactions to protect individuals. NBC News has also withheld two slides for further review. The last five pages shown here are from an earlier GCHQ document in 2010. NBC News has added annotations on two slides in yellow boxes.

Read the article online at investigations.nbcnews.com.

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Psychology

A New Kind of SIGDEV

Establishing the Human Science Operations Cell

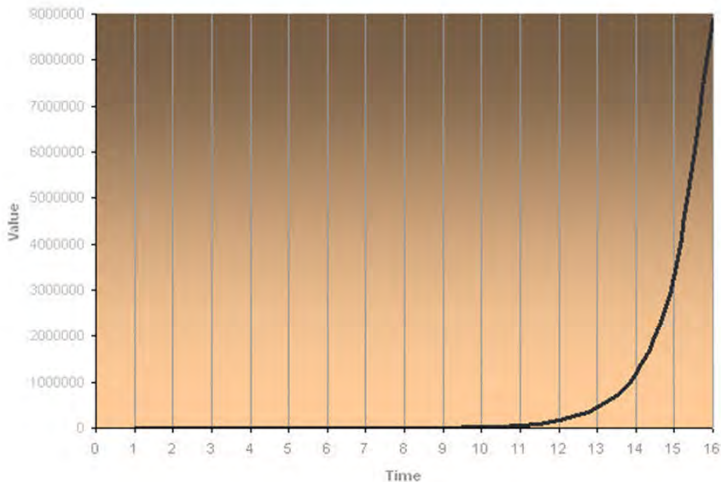
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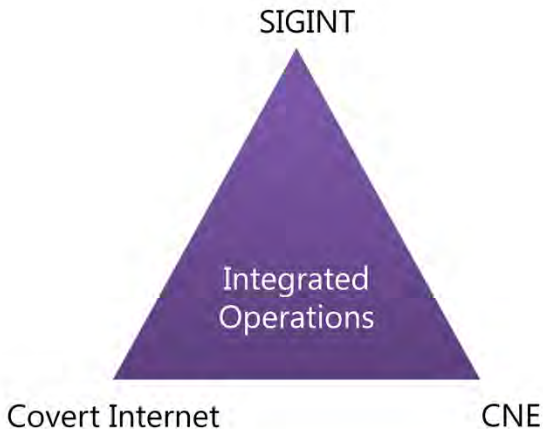
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Online
HUMINT

Strategic
Influence

Disruption
and CNA

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Human Science?

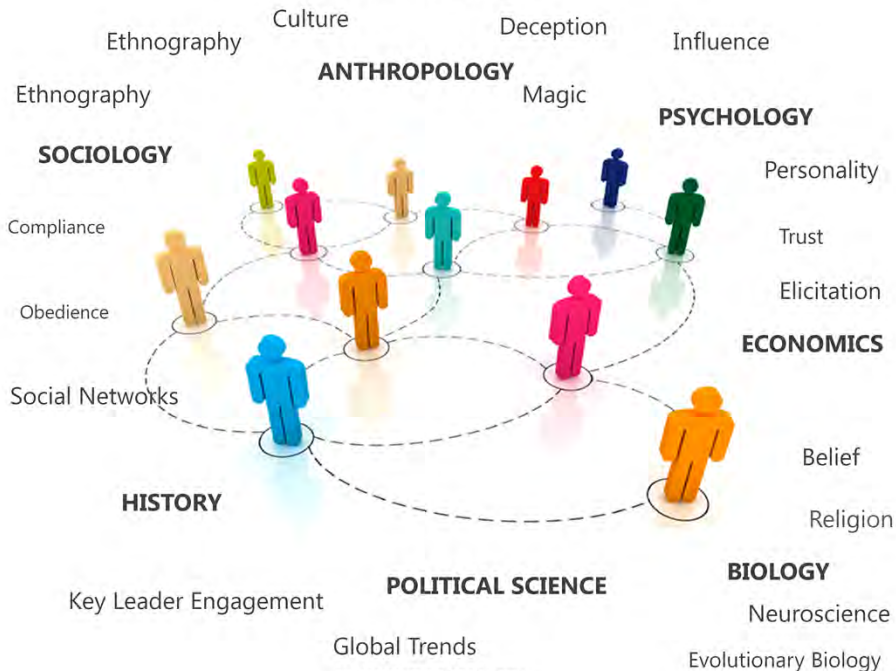
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S4

SCIENCE

SIGINT

SKILLS

SYSTEMS

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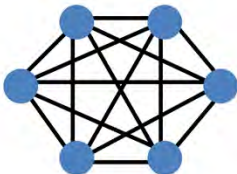


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Individuals



Groups



Socio-Cultural

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OCEAN





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OCEAN

Openness Conscientiousness Extroversion
Agreeableness Neuroticism

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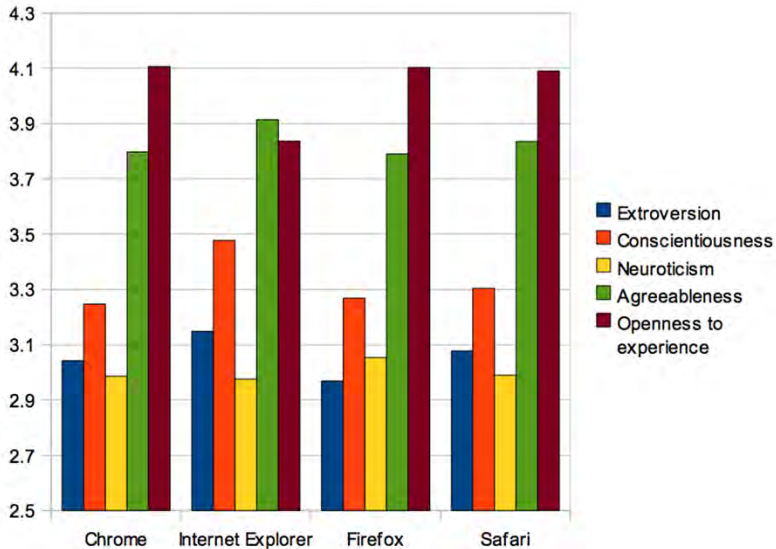


VS



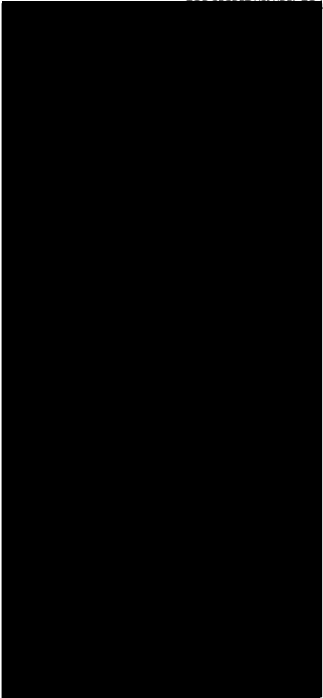
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USA, FVEY

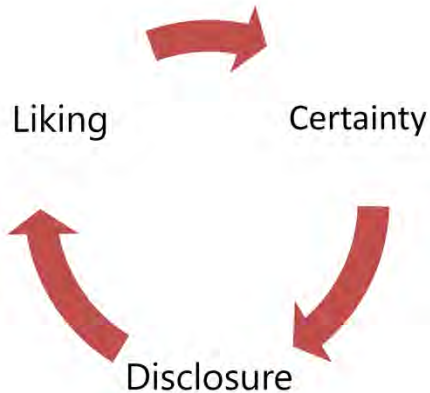


What can we tell?

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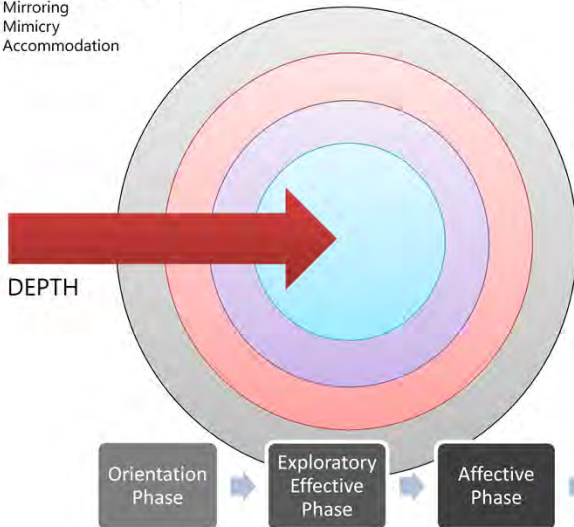


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Facilitated through:

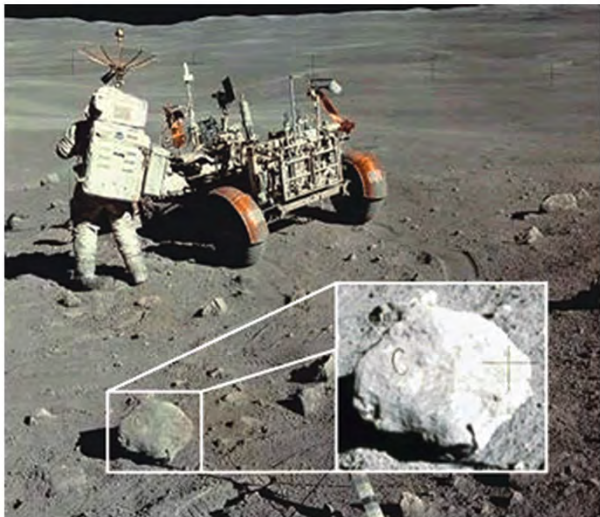
Mirroring
Mimicry
Accommodation



| |
|-------------|
| Superficial |
| Intimate |
| Personal |
| Core |

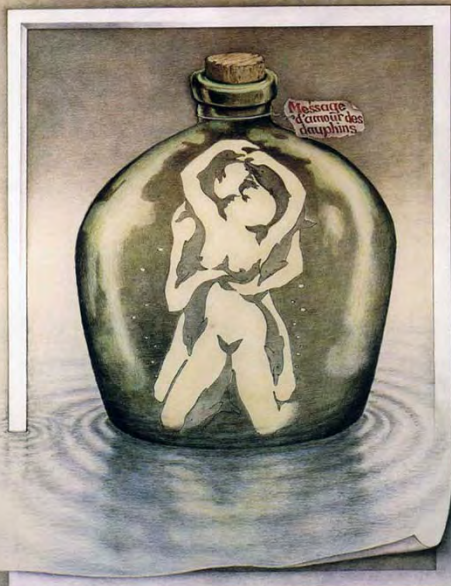
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TOP SECRET//COMINT//REL



Le message d'amour des dauphins. II/III. peinture sur verre. X^e - XIX^e s.

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SQUEAKY DOLPHIN



GTE=Global
Telecoms
Exploitation,
a GCHQ unit
that collects
data from
fiberoptic
cables

Can SIGDEV ~~help us understand and shape~~
the Human Terrain?

Signals
Development

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SQUEAKY DOLPHIN

Broad real-time monitoring of online activity of:

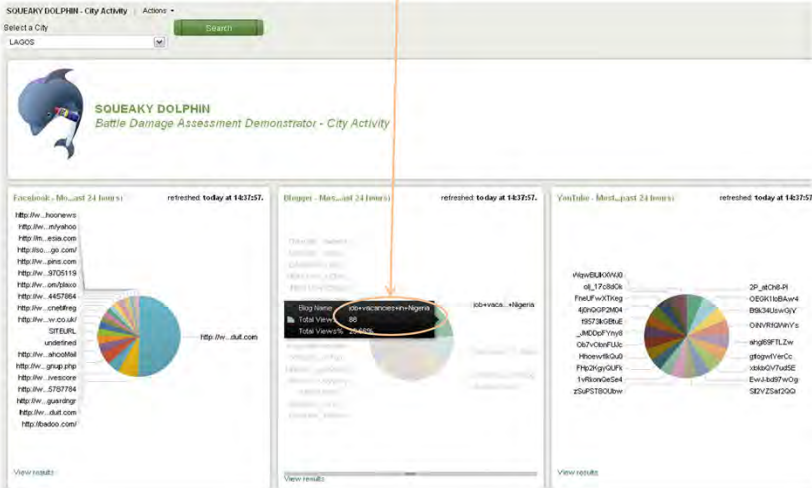
- YouTube Video Views
- URLs 'Liked' on Facebook
- Blogspot/Blogger Visits



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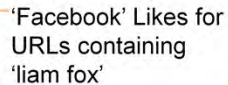
Job Vacancies in Lagos, Nigeria



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Cricket Related Activities in London, England

Embed+Cricket+Channel
T20+ODI+Test+Channels
ESPN CricInfo India Vs England
Page 'Liked'

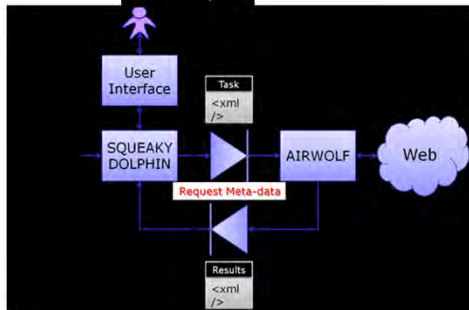


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*So Passive gives us...
Scalability.*

But, we don't have context!

Targeted
enrichment
is the
solution.

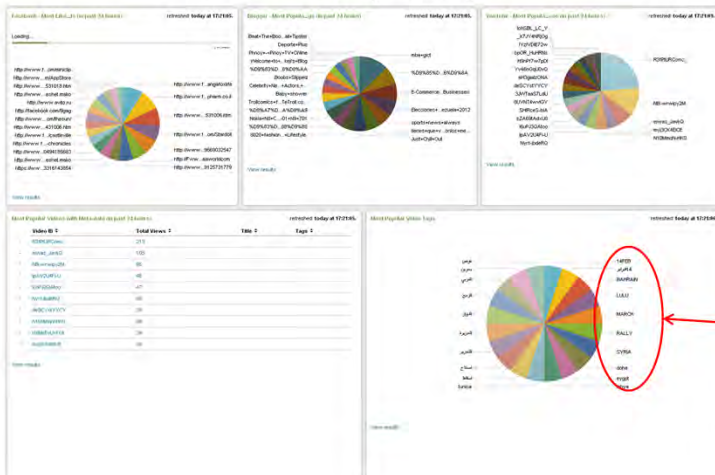


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YouTube

Across the world on 13th February 2012:
the 14th Feb & Syrian Rally

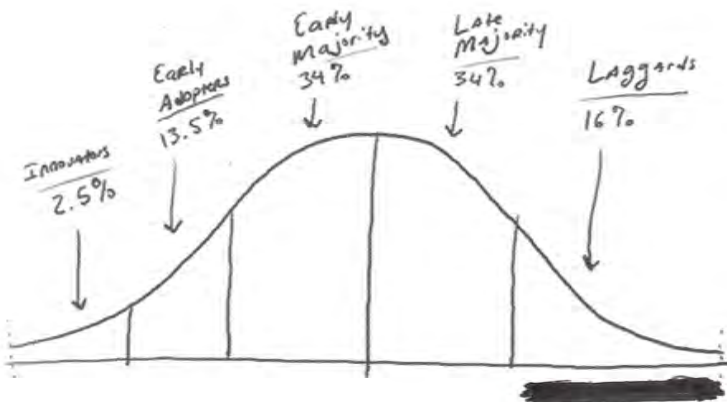


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YouTube Game
Trailer in London,
England



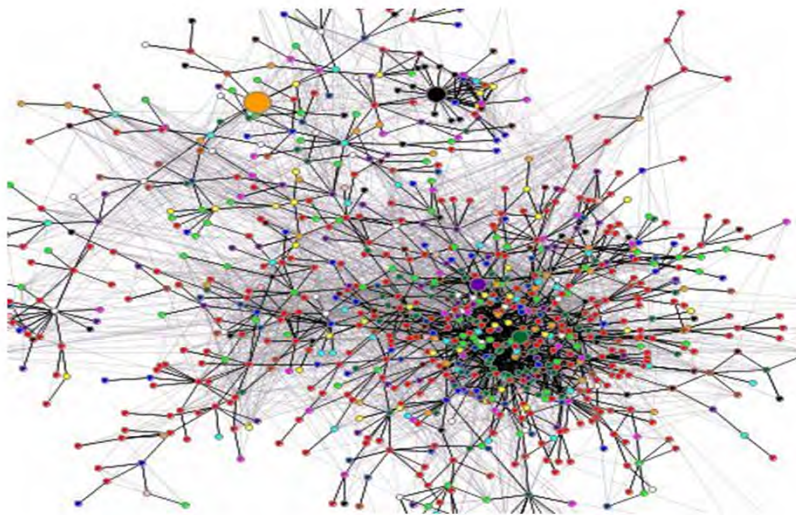
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HOLLOW POINT

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Optimising Influence

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NEWTONS CAT



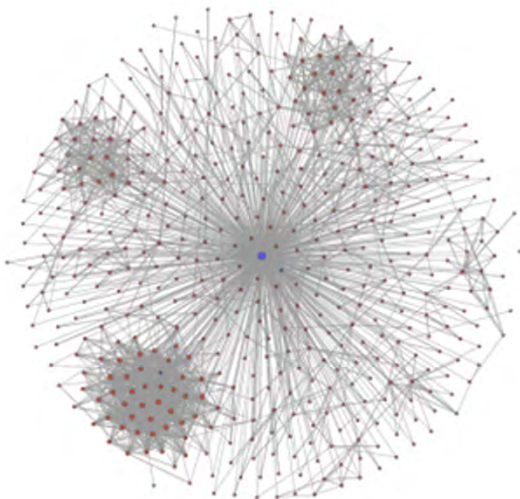
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[REDACTED]
[REDACTED]
@ [REDACTED] Right on bro
8 hours ago

[REDACTED]
[REDACTED]
RT @ [REDACTED] @ [REDACTED] Yeah, so true! you mean I
should be suspicious of you? or that @ [REDACTED] should be
challenged?
10 hours ago

[REDACTED]
[REDACTED]
@ [REDACTED] Yeah, so true!
10 hours ago

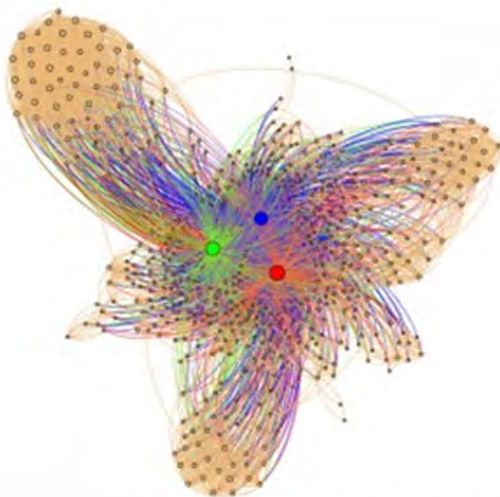
[REDACTED]
[REDACTED]
RT @ [REDACTED] @ [REDACTED] you might want to be suspicious
about [REDACTED] >> what do you say @ [REDACTED] ?
11 hours ago

[REDACTED]
[REDACTED]
RT @ [REDACTED] @ [REDACTED] auto-alert: am monitoring for spam:
@ [REDACTED]
11 hours ago

[REDACTED]
[REDACTED]
@ [REDACTED] you might want to be suspicious about
[REDACTED]
12 hours ago

[REDACTED]
[REDACTED]
@ [REDACTED] auto-alert: am monitoring for spam: [REDACTED]
5 Feb

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Influence @ Scale

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English (US)

Search

Login

Fire Ant

Open Source Visualisation

SUBMIT A REPORT

HOME REPORTS SUBMIT A REPORT GET ALERTS CONTACT US

FILTERS **REPORTS** NEWS PICTURES VIDEO ALL



Free May 2012 May 2012



CATEGORY FILTER [HIDE]

ALL CATEGORIES

BBCM TAGS

IRAQ

CHINA

CIVILIANS

DEATHS

IRAN

PAKISTAN

PROPERTY LOSS

REPORT SOURCE

RIOTS

HOW TO REPORT

1. By sending an email to bscho.gov.uk
2. By filling this form

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GTE



Human Sciences - HSOC



- GTE



Joint Threat
Research
Intelligence
Group, a
GCHQ unit
focused on
cyber
forensics,
investigations
and covert
operations

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These last five pages are from an earlier GCHQ document, from 2010.

UK TOP SECRET STRAP1

Information Operations: The Social Web

twitter

You Tube

facebook

flickr

Deliver messages and multimedia content across Web 2.0

Crafting messaging campaigns to go 'viral'

UK TOP SECRET STRAP1

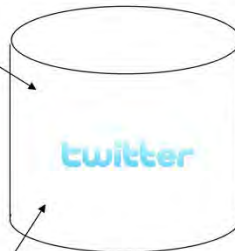
CNIO

Twitter TDI Development

twitter

**Need SIGINT coverage across protocols,
Not necessarily consistent with *target* SIGDEV priorities**

```
_twitter_sess=BAh7DjoTcGFzc3dvcmRfdG9rZW4iLWFhMGI3
ZDk0OTliNTJkOWQzMzMyYTc2%250AOTkyNjM0Y2ZmM2Y
5NDNjYmQ6DGNzcmZfaVQiaTJmYjRhNTk5ZDVkMjlkMmF
h%250AN2U4ZDczOWM2ZWFMNDc5lidzaG93X2Rpc2Nvd
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mV3X3VzZXJfZmxvdzA6EXRyYW5zX3Byb21wdDA6CXVz%
250AZXJpBAPZMAEiCmZsYXNoSUM6J0FjdGlvbknVbnRyb
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VkewA6B2lklVhZDRIOGM2NmM0ZjRkM2U2NGI5%250AZG
ZmMGJmOGVjZDg0MjoPY3JlYXRIZF9hdGwrCGWCJS4nA
Q%253D%253D--
a3894361aa489c2cd51ff326358c92f2e4d39cd8;
```



Login Server

UK TOP SECRET STRAP1

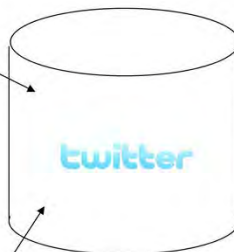
CNIO

Twitter TDI Development

twitter

Base64 + double encoded URL

```
0000000 004 \b { 016 : 023 p a s s w o r d _ t
0000020 o k e n " - a a 0 b 7 d 9 4 9 9
0000040 b 5 2 d 9 d 3 3 3 2 a 7 6 9 9 2
0000060 6 3 4 c f f 3 f 9 4 3 c b d : \f
0000100 c s r f _ i d " % 6 f b 4 a 5 9
0000120 9 d 5 d 2 9 d 2 a a 7 e 8 d 7 3
0000140 9 c 6 e a f 4 7 9 " ' s h o w _
0000160 d i s c o v e r a b i l i t y _
0000200 f o r _ s o l o _ o n l y 0 : 025
0000220 i n _ n e w _ u s e r _ f l o w
0000240 0 : 021 t r a n s _ p r o m p t 0
0000260 : \t u s e r i 004 003 331 0 001 " \n f l
0000300 a s h I C : A c t i o n C o n
0000320 t r o l l e r : : F l a s h : :
0000340 F l a s h H a s h { \0 006 : \n @ u
0000360 s e d { \0 : 007 i d " % a d 4 e 8
0000400 c 6 6 c 4 f 4 d 3 e 6 4 b 9 d f
0000420 f 0 b f 8 e c d 8 4 2 : 017 c r e
0000440 a t e d _ a t l + \b e 202 % : 001
0000460
```



Login Server

UK TOP SECRET STRAP1

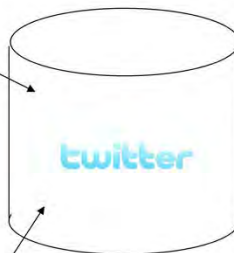
CNIO

Twitter TDI Development

twitter

PPF application across 10G Environment

1272671024 **81.169.145.25**
 128.242.240.20 6 55489 80 Login-
 twitter.com 31 **solo_only@twitter.com**
 TDI-Scope 4 User Route 13
 81.169.145.25 HHFP-Hash 8 38
 4646d4 User-Agent 52 Twitter Tools
 Geo-IP-Src 28
 49.00;8.39;**KARLSRUHE;DE**;5MVV
 Geo-IP-Dst 33 39.0062;-
 77.4288;STERLING;U
 S;7LLM Event-security-label 6 10007F
 Stream-security-label 10 400023E0FF



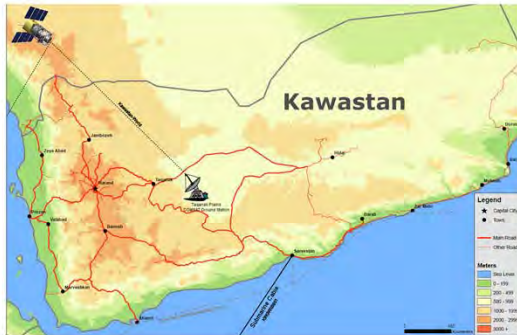
Millions of events per day feeding
BLACKHOLE

UK TOP SECRET STRAP1

CNIO

Twitter TDI Development

twitter



Given a country:

Who are the top Twitter Users?

Or given a user:

Are they really in Kawestan?

SIGDEV augments the IO process to aid targeting and takeup of message