



OSINT Dark Arts and Privacy in CyberSpace

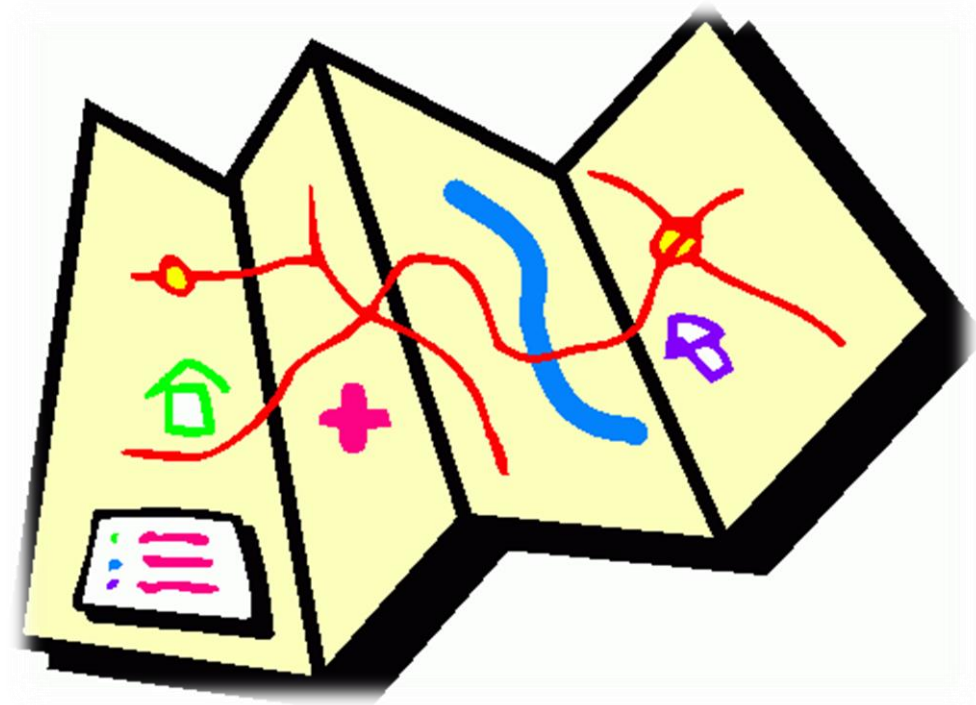
Dhanith Krishna B

“Using public sources openly and without resorting to illegal means, it is possible to gather at least 80 percent of all information required about the enemy”

- Al Qaeda training manual

#Roadmap

- Food for thought
- OSINT
- Techniques & Tools
- Protecting yourself
- TODO



Food for Thought

- Social Media
- Shopping
- Banking
- Learning
- Dating
- Business

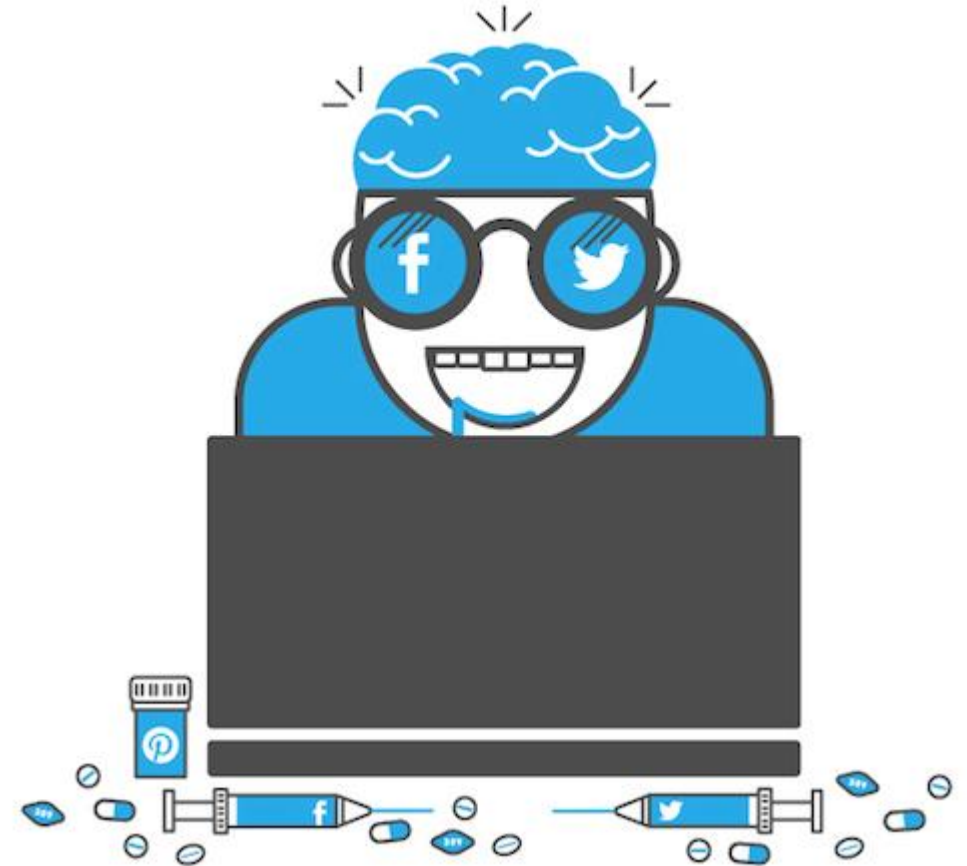
ONLINE WEDDING!!!!





Data we intentionally give

- Text
- Picture
- Audio
- Video
- Geospatial Data
- Juicy P I I



Data collected without our knowledge

- Smart Phone

- Contacts
- SMS
- Personal Information

- IOT

- Medical Data
- Usage Trends
- What not?





© 2013 Geek Culture



joyoftech.com

OSINT

OSINT is defined by both the U.S. Director of National Intelligence and the U.S. Department of Defense (DoD), as "produced from publicly available information that is collected, exploited, and disseminated in a timely manner to an appropriate audience for the purpose of addressing a specific intelligence requirement."

In simple words deriving actionable intelligence from public information sources.



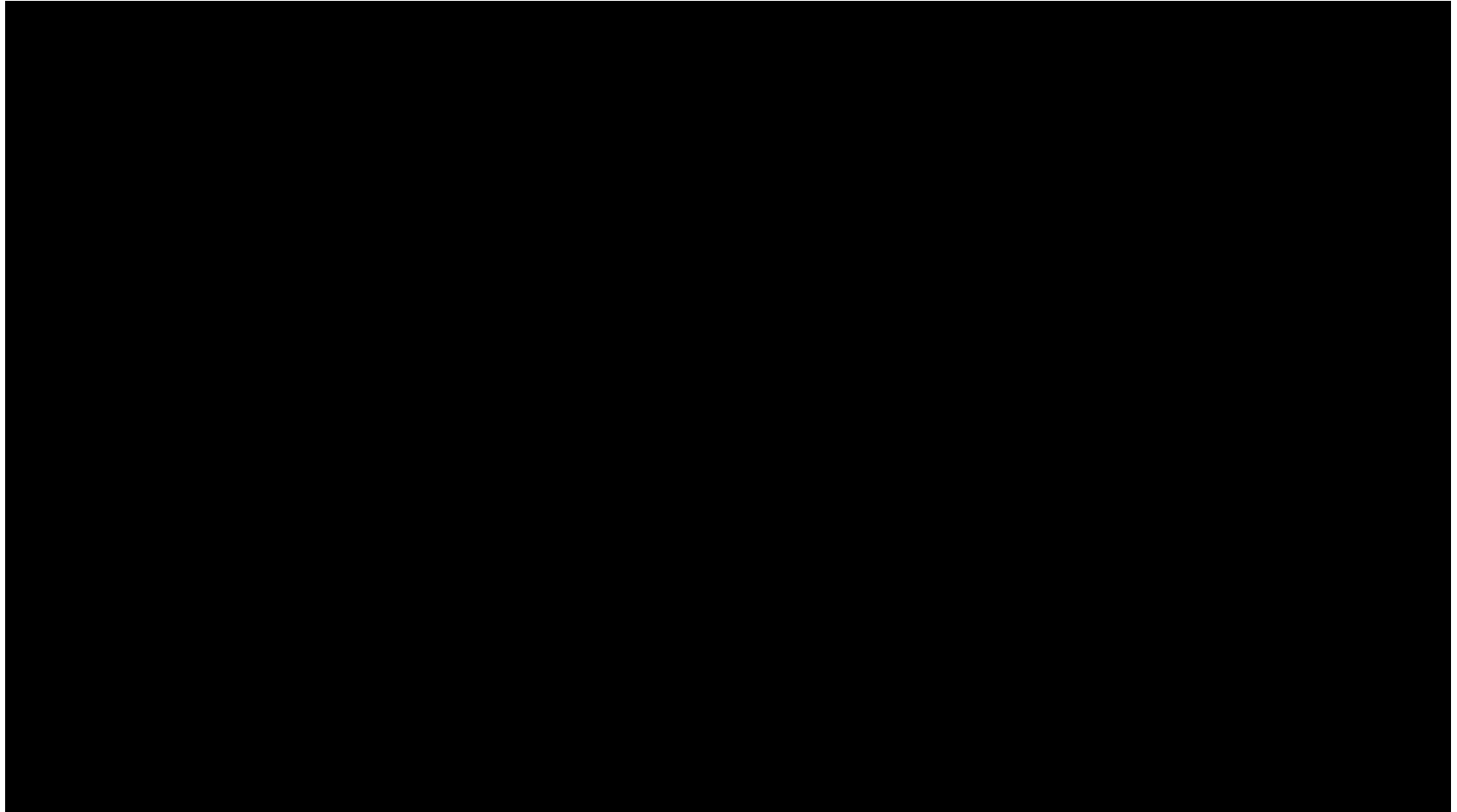
Beneficiaries

- Governments , Militaries and Intelligence Agencies
- Big Corporations
- Market study and Analysis
- Political parties
- Information Security Consultants
- Black hats and Hacktivists
- Fraudsters



How OSINT can be used against you

- Identity Theft
- Financial Loss
- Cyber Bullying
- Fraud



Tools & Techniques

Search Engines

- Google
- Yahoo
- Bing
- Baidu
- Yandex
- DuckDuckGo

Google

 bing

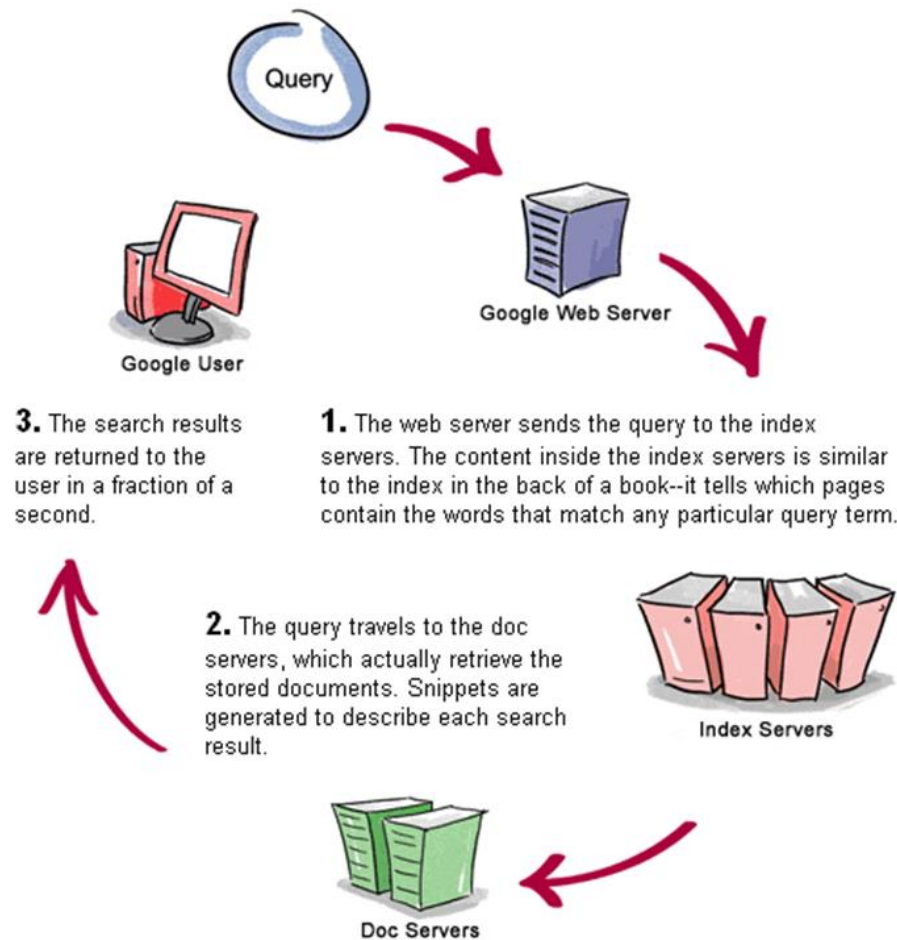
Yandex

Baidu 百度

YAHOO!


Aol. 

How google works?



Copyright © 2003 Google Inc. Used with permission.

Google advanced search

Dummy

Advanced Search

Find pages with...

all these words:

this exact word or phrase:

any of these words:

none of these words:

numbers ranging from:

 to

To do this in the search box.

Type the important words: tri-colour rat terrier

Put exact words in quotes: "rat terrier"

Type OR between all the words you want: miniature OR standard

Put a minus sign just before words that you don't want:
-rodent, -"Jack Russell"

Put two full stops between the numbers and add a unit of measurement:
10..35 kg, £300..£500, 2010..2011

Then narrow your results by...

language:

any language

Find pages in the language that you select.

region:

any region

Find pages published in a particular region.

last update:

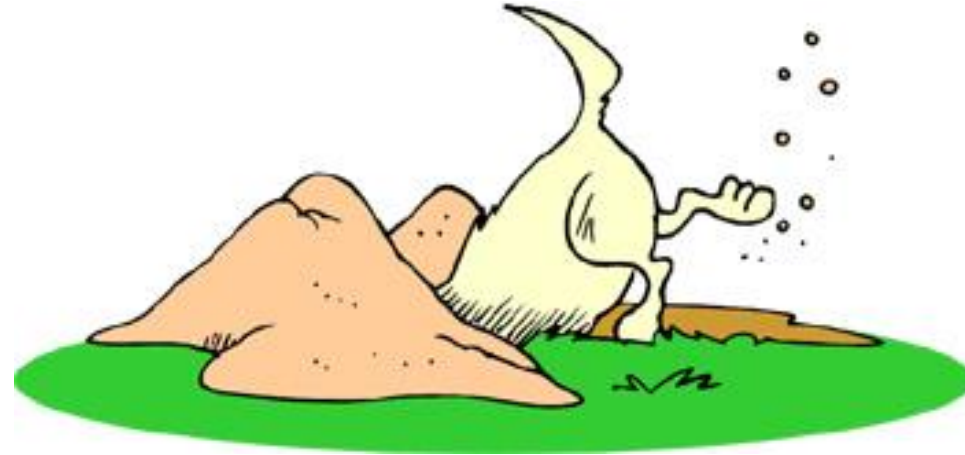
anytime

Find pages updated within the time that you specify.

site or domain:

Search one site (like wikipedia.org) or limit your results to a domain like .edu, .org or .gov

Dorking



Dork is a special search string that uses advanced search operators to find information that is not readily available.

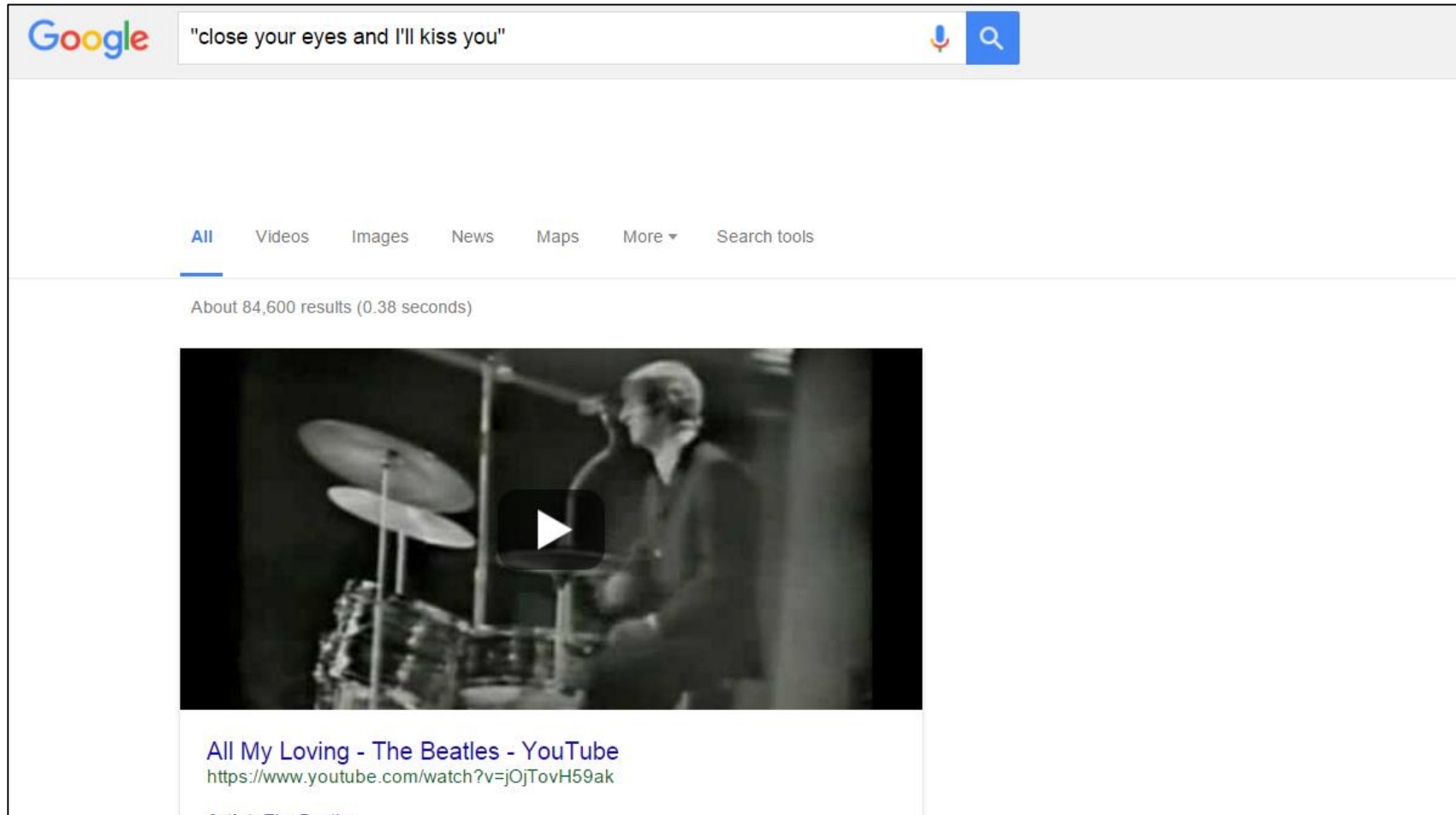
-Johnny Long

Wrote Google Hacking for Penetration Testers; ISBN 1931836361

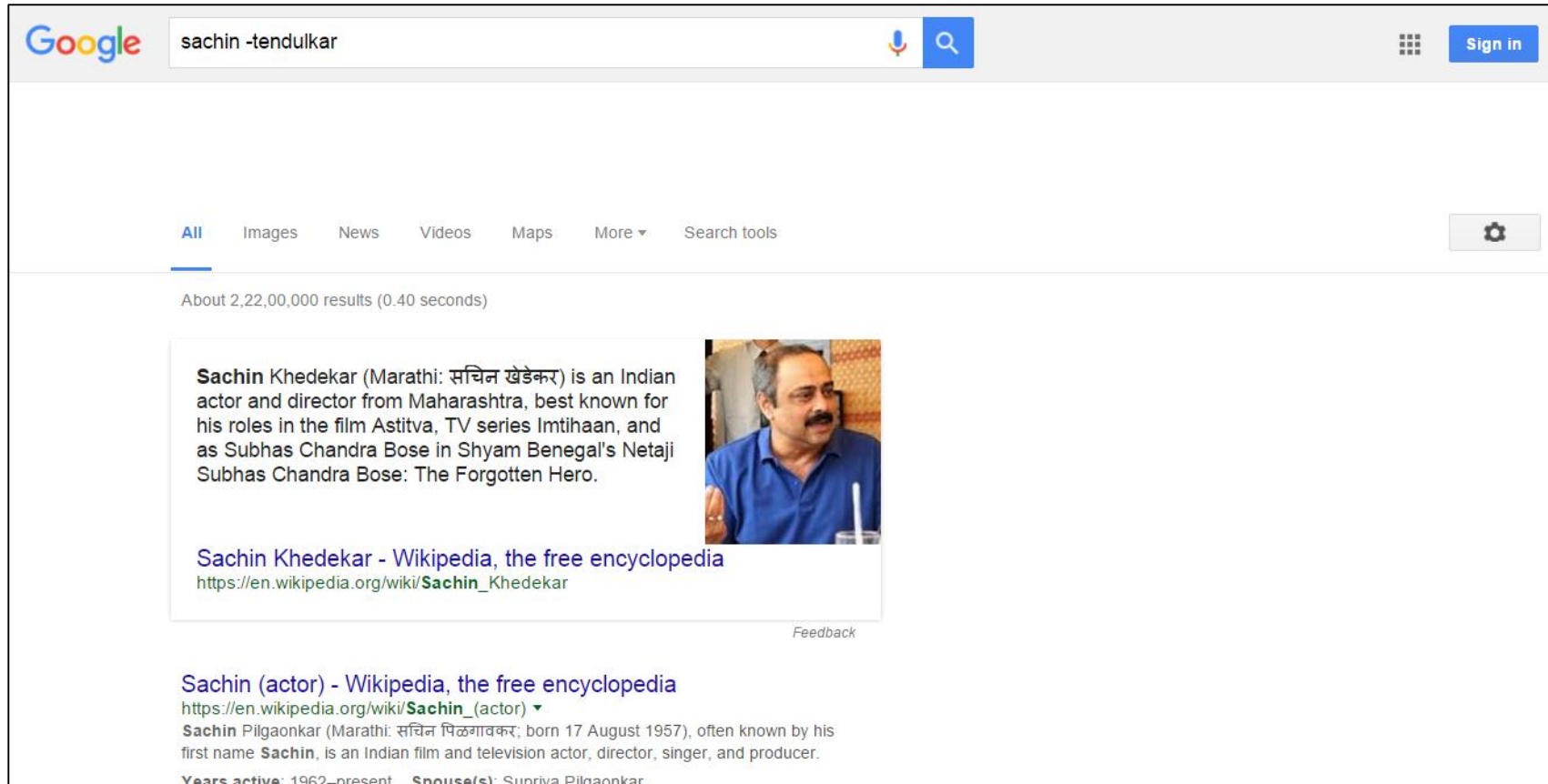
Special Characters

Operator	Description
" "	Must include
-	Don't include
~	Synonym
	Pizza or burger
..	Range
*	Multi character wildcard

“ ” operator



- operator



The screenshot shows a Google search interface. The search bar contains the text "sachin -tendulkar". The search results are filtered to "All". The first result is for "Sachin Khedekar" with a brief description and a photo. The second result is for "Sachin (actor)" with a brief description and a link to the Wikipedia page.

Google sachin -tendulkar Sign in

All Images News Videos Maps More Search tools

About 2,22,00,000 results (0.40 seconds)

Sachin Khedekar (Marathi: सचिन खेडेकर) is an Indian actor and director from Maharashtra, best known for his roles in the film Astitva, TV series Imtihaan, and as Subhas Chandra Bose in Shyam Benegal's Netaji Subhas Chandra Bose: The Forgotten Hero.

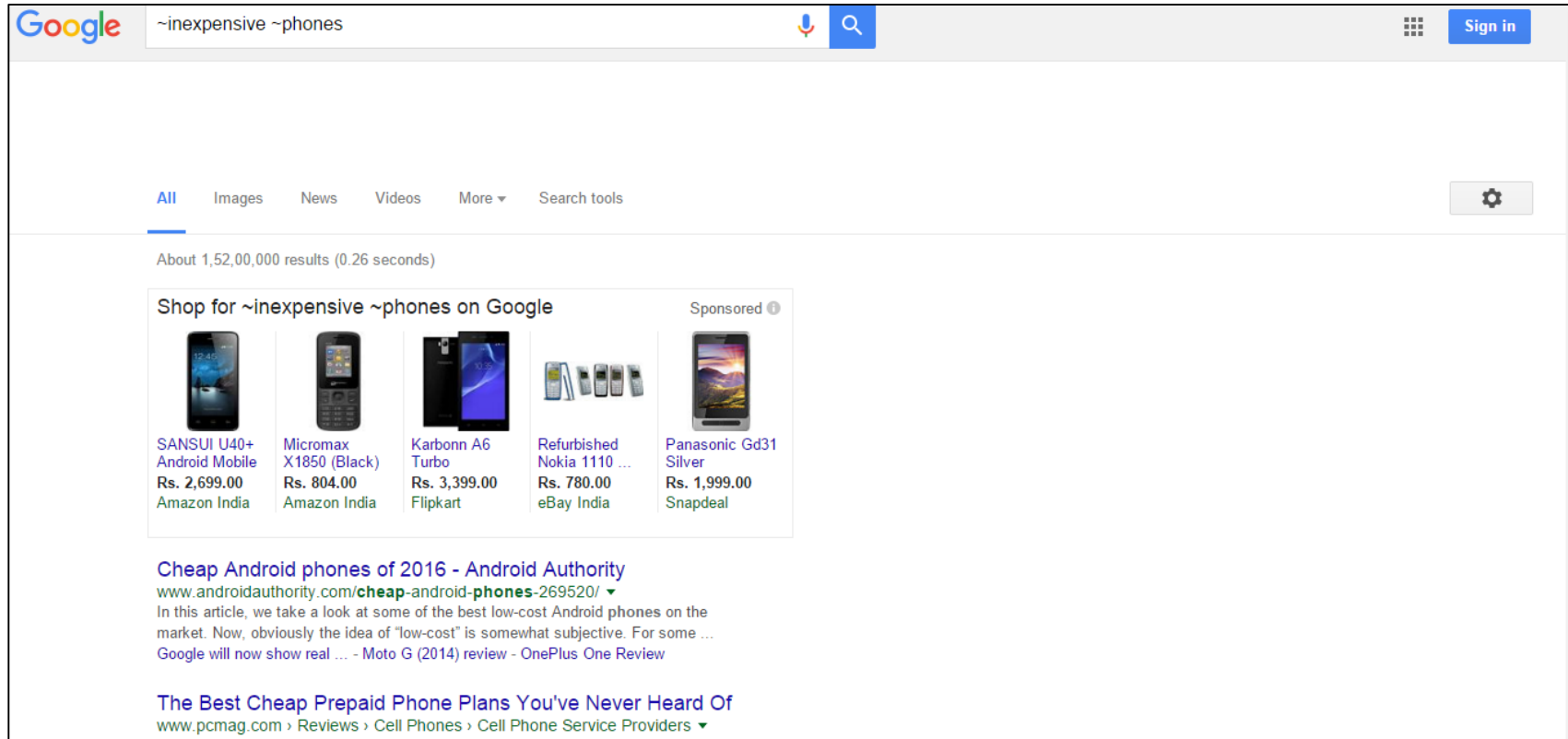
[Sachin Khedekar - Wikipedia, the free encyclopedia](https://en.wikipedia.org/wiki/Sachin_Khedekar)
https://en.wikipedia.org/wiki/Sachin_Khedekar

Sachin (actor) - Wikipedia, the free encyclopedia
[https://en.wikipedia.org/wiki/Sachin_\(actor\)](https://en.wikipedia.org/wiki/Sachin_(actor))

Sachin Pilgaonkar (Marathi: सचिन पिळगावकर; born 17 August 1957), often known by his first name **Sachin**, is an Indian film and television actor, director, singer, and producer.

Years active: 1962–present **Spouse(s):** Supriya Pilgaonkar

~ operator



| operator

The screenshot shows a Google search interface. The search bar contains the text "gandhi | mandela". Below the search bar, a dropdown menu lists suggestions: "kasturba gandhi", "mahatma gandhi history", "karam chand gandhi", and "putlibai gandhi". The search results page shows "About 17,80,00,000 results (0.75 seconds)". The first result is "Mahatma Gandhi - Wikipedia, the free encyclopedia" with a link to "https://en.wikipedia.org/wiki/Mahatma_Gandhi". Below this is a map of Chennai, India, showing locations related to Rajiv Gandhi: "Rajiv Gandhi", "Rajiv Gandhi Academy for Aviation Technology", and "Rajiv Gandhi Centre for Biotechnology". Below the map, there are three entries for these locations, each with a rating, address, and links to "Website" and "Directions". The second result is "Nelson Mandela - Wikipedia, the free encyclopedia" with a link to "https://en.wikipedia.org/wiki/Nelson_Mandela".

Google | Search

gandhi | mandela

kasturba gandhi
mahatma gandhi history
karam chand gandhi
putlibai gandhi

All Images News Videos Maps More Search tools

About 17,80,00,000 results (0.75 seconds)

Mahatma Gandhi - Wikipedia, the free encyclopedia
https://en.wikipedia.org/wiki/Mahatma_Gandhi
Employing nonviolent civil disobedience, Gandhi led India to independence and inspired movements for civil rights and freedom across the world. The honorific ...
Movement: Indian National Congress Education: barrister-at-law
Cause of death: Assassination by shooti... Children: Harilal; Manilal; Ramdas; Devdas

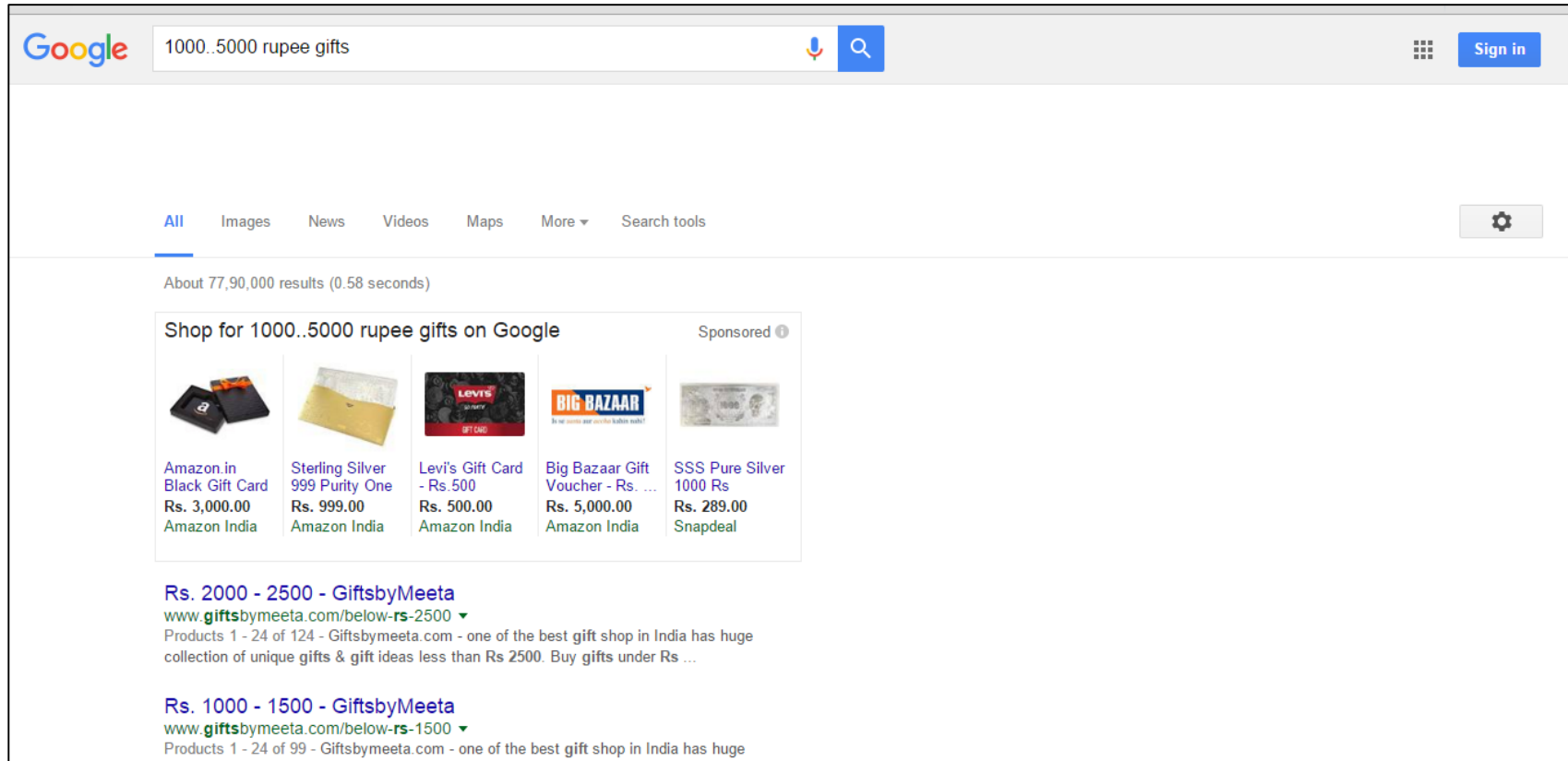
Rajiv Gandhi
1 review · Government Office Website Directions

Rajiv Gandhi Academy for Aviation Technology
4.4 ★★★★★ (7) · Trade School Closed now Website Directions

Rajiv Gandhi Centre for Biotechnology
4 reviews · Research Center Poojappura · 0471 234 8104 Website Directions

Nelson Mandela - Wikipedia, the free encyclopedia
https://en.wikipedia.org/wiki/Nelson_Mandela

.. operator



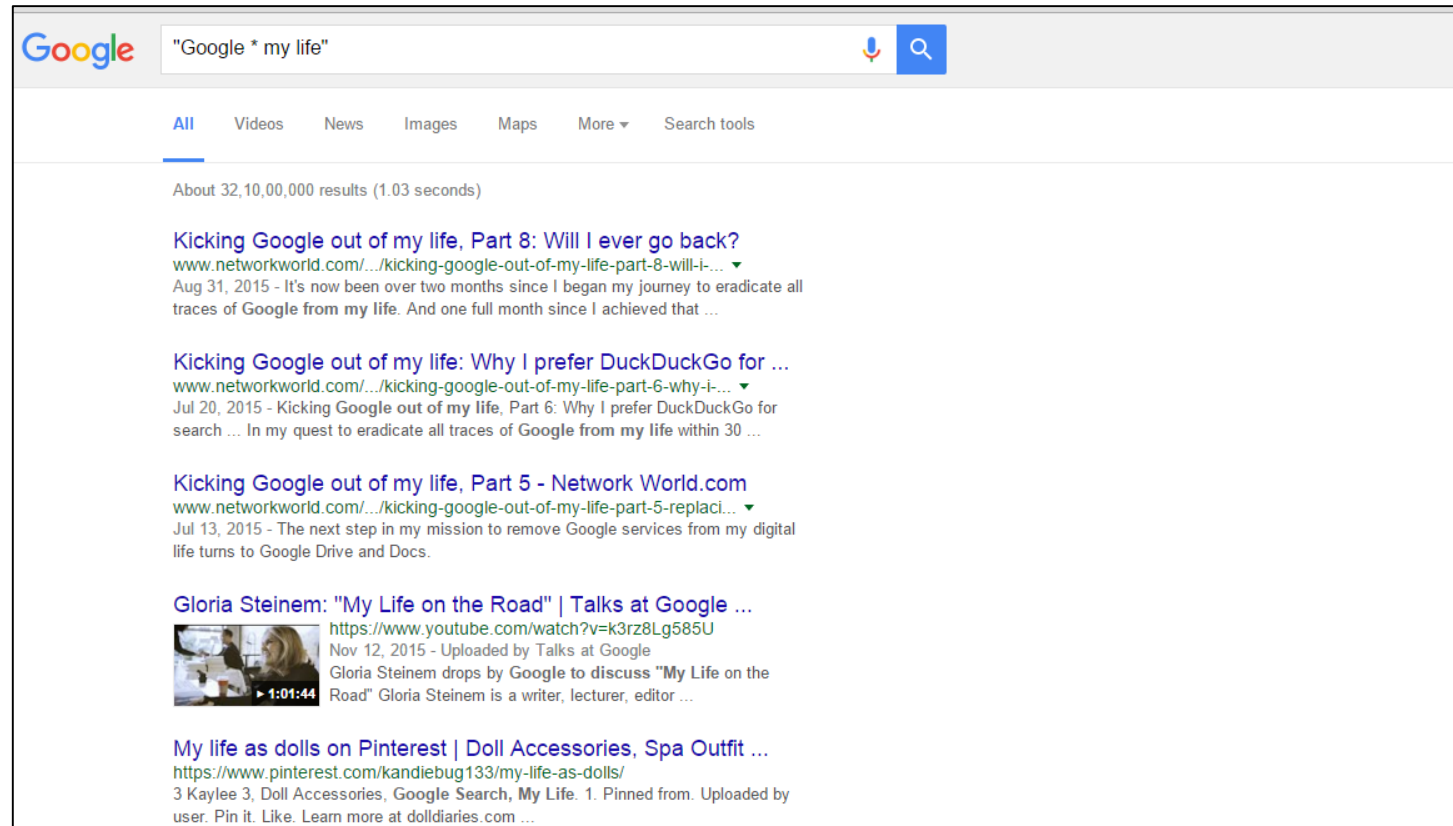
The screenshot shows a Google search interface with the query "1000..5000 rupee gifts". The search results page displays a sponsored section titled "Shop for 1000..5000 rupee gifts on Google". This section contains five product listings, each with an image, a title, a price, and the retailer's name. Below the sponsored section, there are two organic search results from "GiftsbyMeeta" for price ranges "Rs. 2000 - 2500" and "Rs. 1000 - 1500".

Product	Price	Retailer
Amazon.in Black Gift Card	Rs. 3,000.00	Amazon India
Sterling Silver 999 Purity One	Rs. 999.00	Amazon India
Levi's Gift Card - Rs. 500	Rs. 500.00	Amazon India
Big Bazaar Gift Voucher - Rs. 5,000.00	Rs. 5,000.00	Amazon India
SSS Pure Silver 1000 Rs	Rs. 289.00	Snapdeal

Rs. 2000 - 2500 - GiftsbyMeeta
www.giftsbymeeta.com/below-rs-2500
Products 1 - 24 of 124 - GiftsbyMeeta.com - one of the best gift shop in India has huge collection of unique gifts & gift ideas less than Rs 2500. Buy gifts under Rs ...

Rs. 1000 - 1500 - GiftsbyMeeta
www.giftsbymeeta.com/below-rs-1500
Products 1 - 24 of 99 - GiftsbyMeeta.com - one of the best gift shop in India has huge collection of unique gifts & gift ideas less than Rs 1500. Buy gifts under Rs ...

* operator



More Special Characters

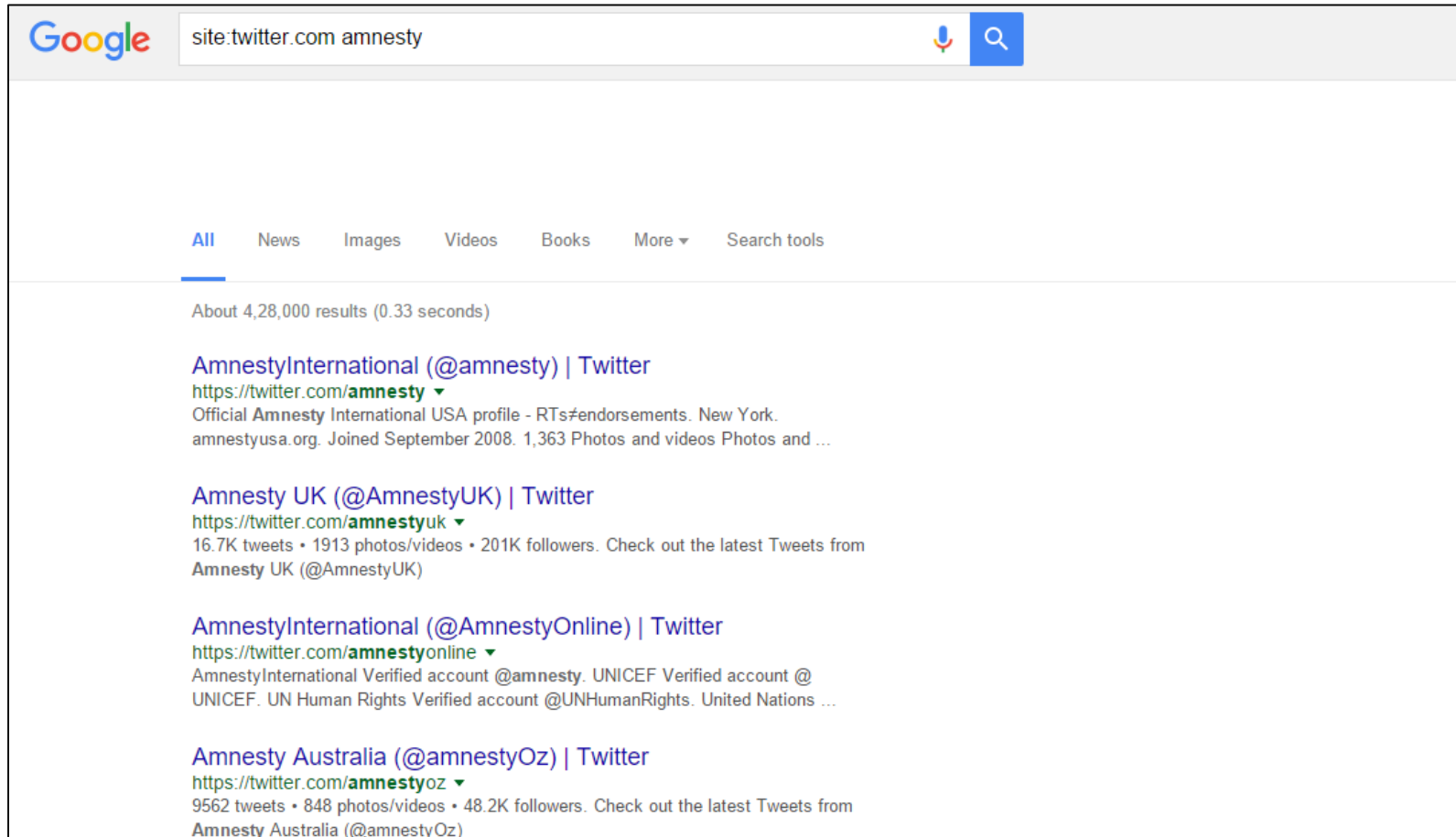
Operator	Description
@	Twitter accounts
\$	price
#	Hash tags

Special Operators

Operator
Inurl:
Intext:
Intitle:
Filetype:
Site:
Related:
Link:
Movie:
Cache:

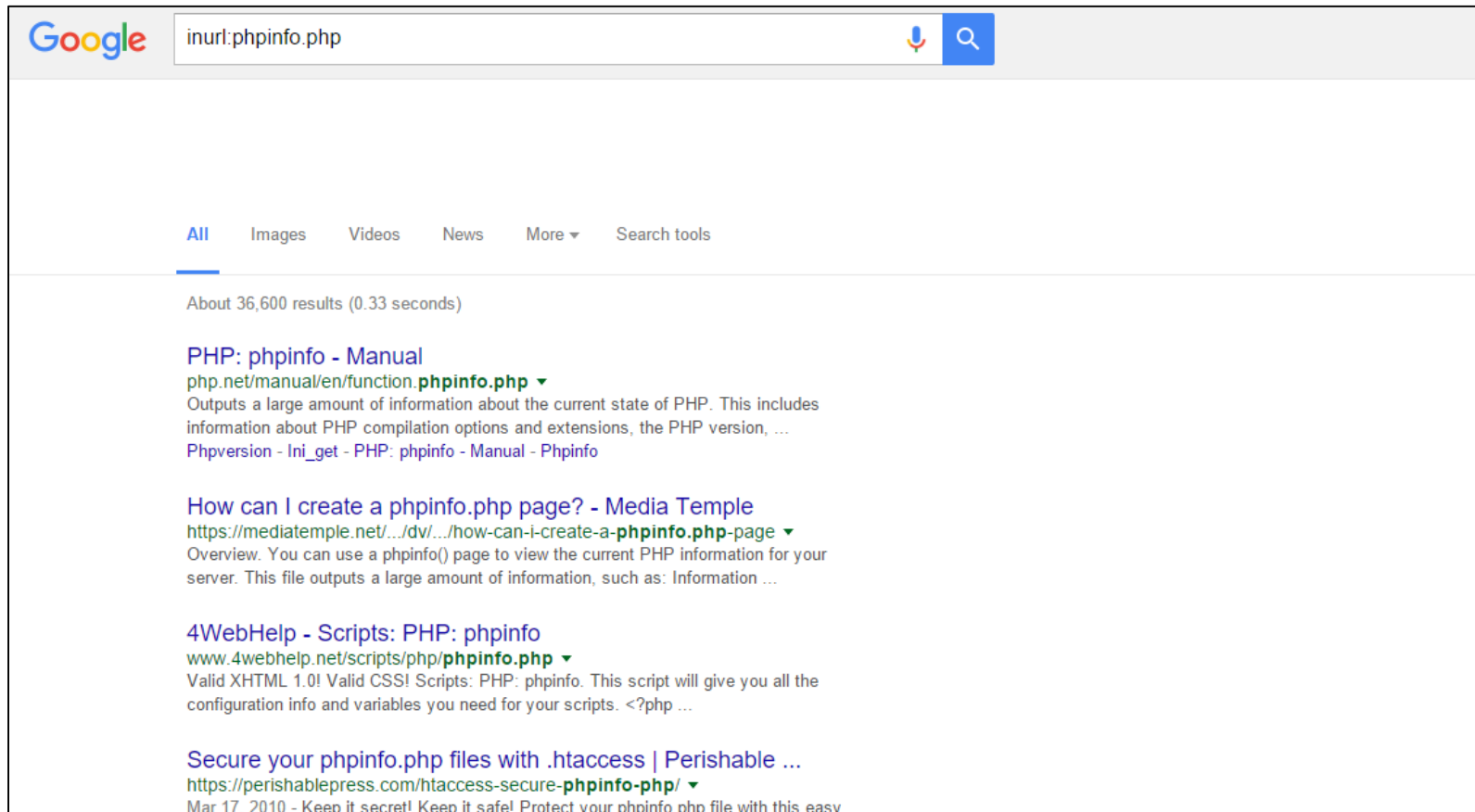
Site: Operator

For filtering result to a particular domain.



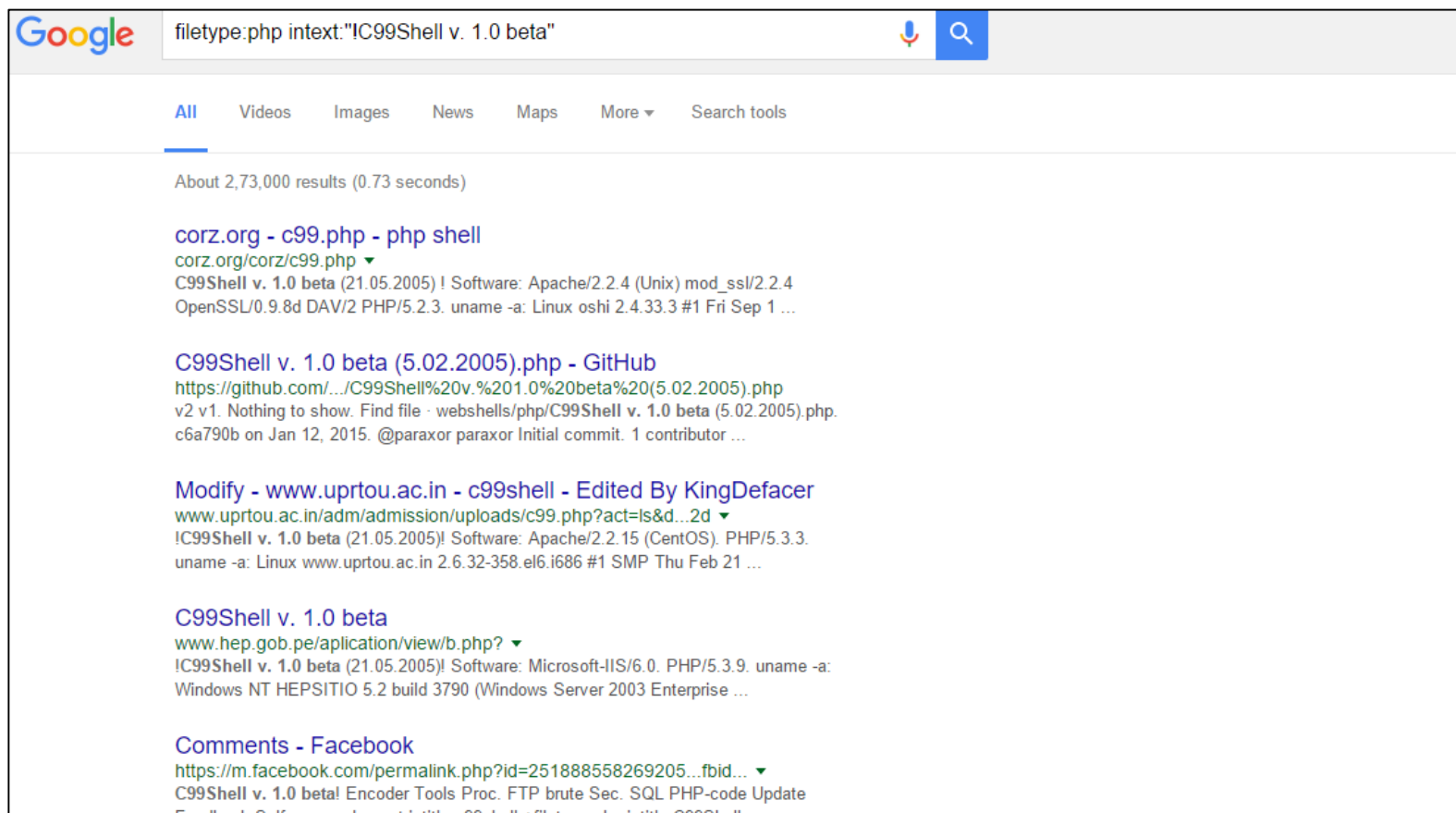
inurl: Operator

For filtering result to matching URL.



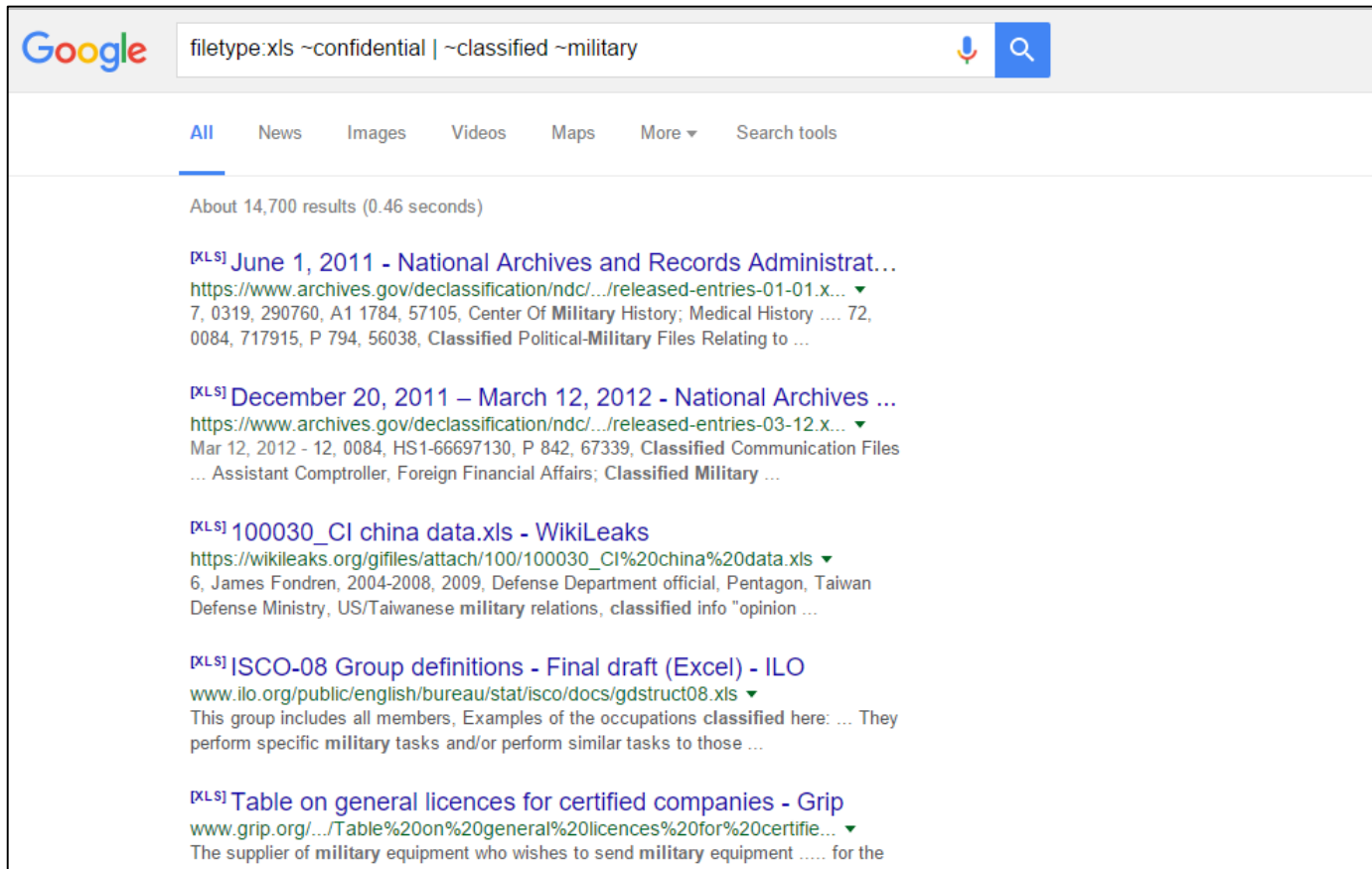
intext: Operator

For filtering result to matching content.



Filetype: Operator

For filtering result to matching filetype.



Movie: Operator

Search for movies in a location

The screenshot shows a Google search interface with the query 'movie:thiruvanthapuram'. The results are titled 'Showtimes for Thiruvananthapuram, Kerala'. On the left, there are filters for 'Change Location', 'Today', 'Tomorrow', 'Sunday', 'Monday', 'All times', 'Morning', 'Afternoon', 'Evening', 'Late', 'Theaters', and 'Movies'. The main content area lists several movie theaters and their showtimes:

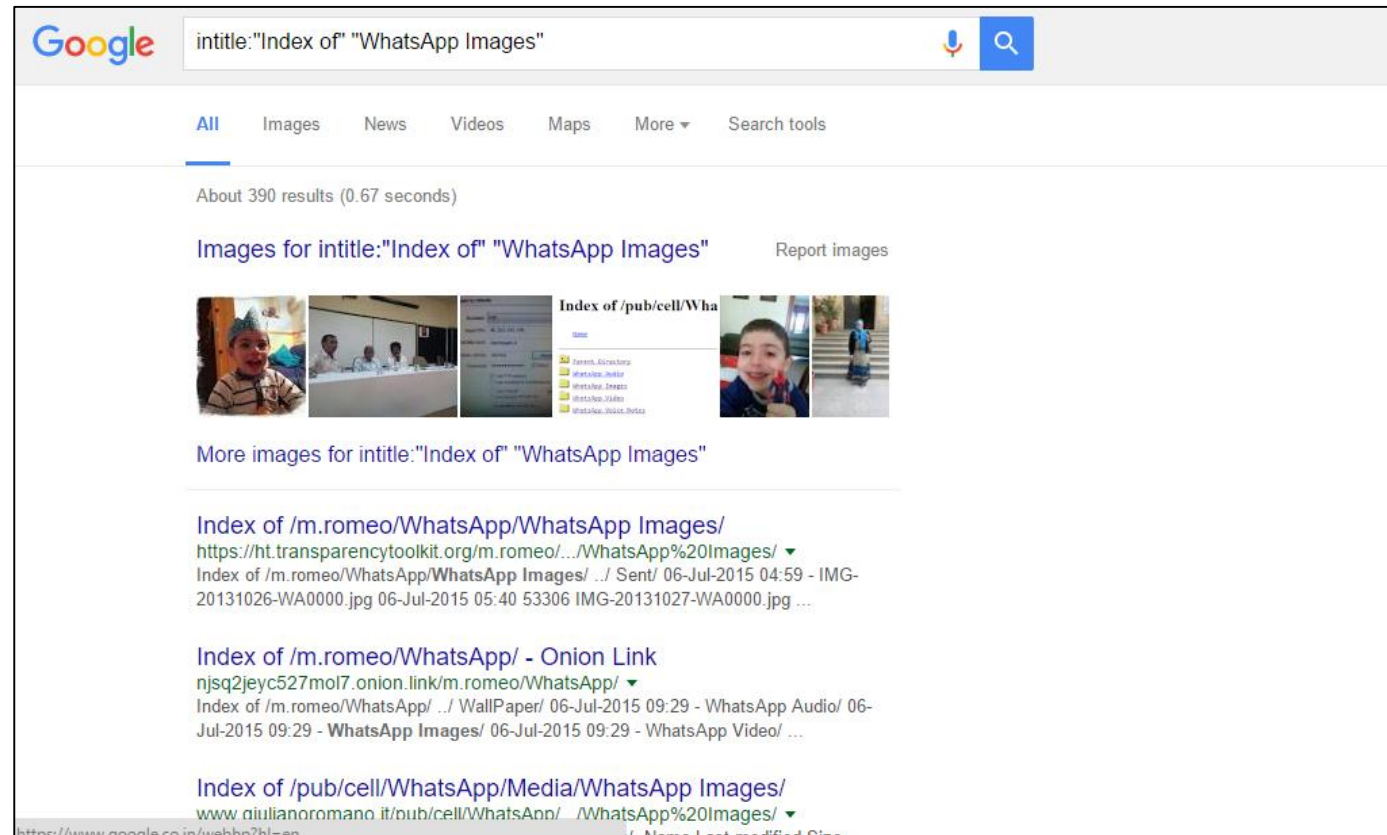
- Sree Kumar**
Thambanoor, Thiruvananthapuram - 0471 233 1222
[Two Countries](#)
1hr 42min - Comedy - Ma
6:15 9:30pm
- Sree Vishakh**
Thambanoor, Thiruvananthapuram - 0471 233 1222
[Pavada](#)
2hr 28min - Action/Adventure/Comedy/Drama - Ma
11:00am 2:15 6:00 9:15pm
- New Theatre - Thiruvananthapuram**
Thambanoor, Thiruvananthapuram - 0471 232 3244
[Two Countries](#)
1hr 42min - Comedy - Ma
10:45am 2:00 5:30 8:45pm
[Adi Kapyare Kootamani](#)
2hr 13min - Comedy/Drama - Ma
11:15am 2:30 6:00 9:00pm
- Mareshinte Prathikaram**
2hr 0min - Comedy/Drama - Ma
11:15am 2:15 6:00 8:45 11:15pm

Are you serious??



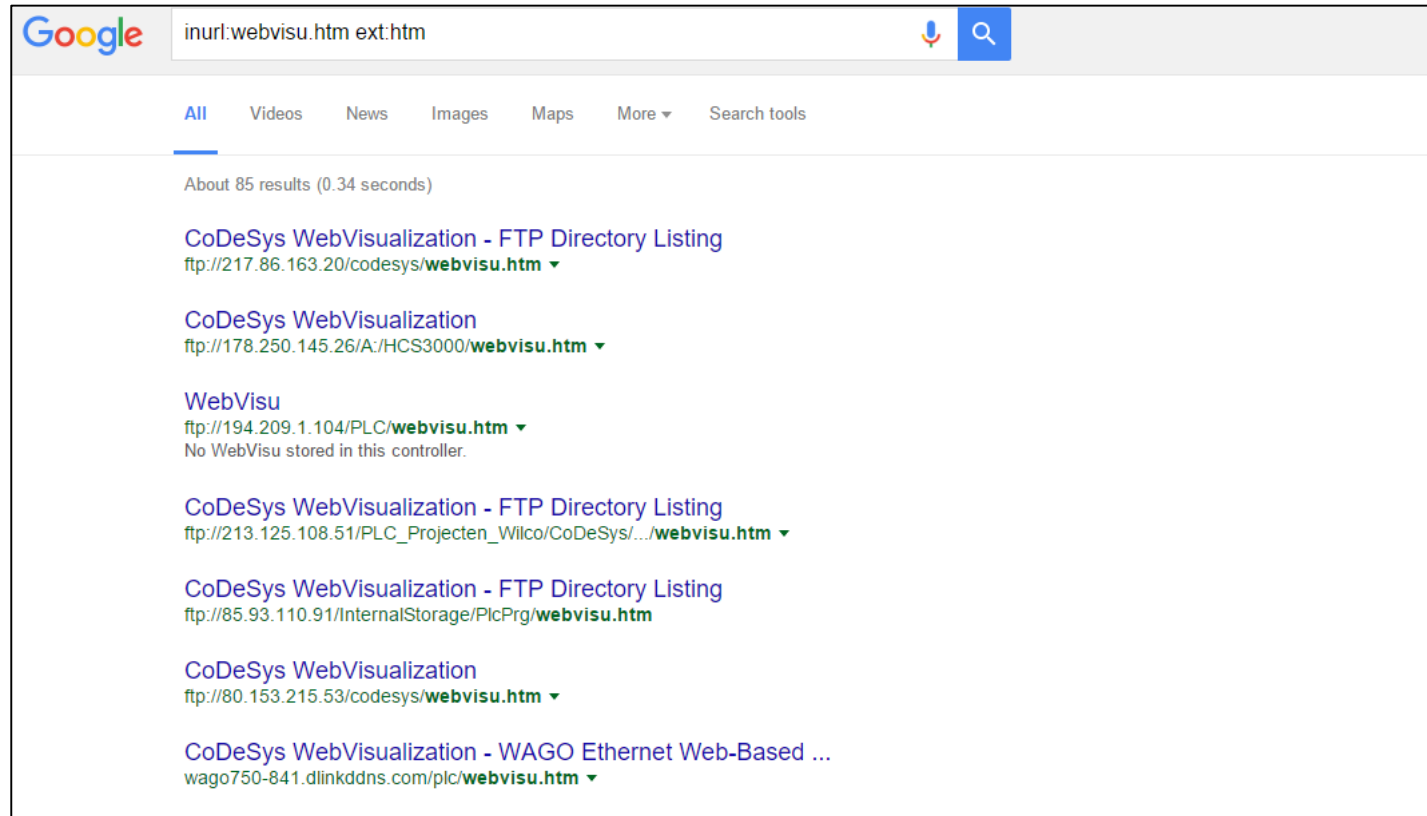
Whatsapp Images

intitle:"Index of" "WhatsApp Images"



SCADA!!

inurl:webvisu.htm ext:htm



SCADA!!

inurl:dyn_sensors.htm

The screenshot shows a Google search results page for the query 'inurl:dyn_sensors.htm'. The search results list several websites that appear to be SCADA sensor monitoring interfaces. The first result is 'Watchdog 1400 - Sensors' with a URL 'rrcs-67-79-205-88.sw.biz.rr.com/dyn_sensors.htm.en'. The second result is 'RCX - Sensors' with a URL 'rrcs-76-79-48-111.west.biz.rr.com/dyn_sensors.htm.en'. The third result is 'RAC10 - Sensors' with a URL '76.79.48.126/dyn_sensors.htm.en'. The fourth result is 'WeatherGoose II - Sensors' with a URL 'itwatchdog-jef.radford.edu/dyn_sensors.htm.en'. The fifth result is 'Newmar SPM - Sensors DynPage' with a URL 'https://online.tullahomapediatrics.com/dyn_sensors.htm'. On the right side of the search results, there is a preview of the 'GEIST' SCADA interface. The preview shows a 'Sensors' page with a table of sensor data. The table has two sections: 'Mark' and 'ID 01508F904120000004'. The 'Mark' section lists various sensor readings: kWh-Hours (47.01 kWh), Volts (118.00 V_{RMS}), Volts (Peak) (118.00 V_{RMS}), Arms (0.11 A_{RMS}), Arms (Peak) (0.70 A_{RMS}), Real Power (60.00 Watts), Apparent Power (90.8 Volt-Amperes), and Power Factor (74.8 %). The 'ID' section lists: Temperature (F) (66.33 °F), Air Flow (20: Still - 100: Rushing), Relative Humidity (29 %), and Dew Point (33.09 °F).

Google inurl:dyn_sensors.htm

About 56 results (0.46 seconds)

Watchdog 1400 - Sensors
rrcs-67-79-205-88.sw.biz.rr.com/dyn_sensors.htm.en
3 days ago - Temperature (F), 87.57 °F. bat house light, 10.0
Amps. Analog-2, 100, 0: 0V - 100: 5V. Analog-3, 100, 0: 0V -

RCX - Sensors
rrcs-76-79-48-111.west.biz.rr.com/dyn_sensors.htm.en
kWatt-Hours, 45.28 kWh. Volts, 117.70 Vrms. Volts (Peak),
Arms. Arms (Peak), 0.70 Arms. Real Power, 68.00 Watts. A

RAC10 - Sensors
76.79.48.126/dyn_sensors.htm.en
RAC10 internal. IP Address: 10.0.250.51. Local Time: Mon, 2
RAC10™ v3.15.2. All is well: 5 Alarms monitored. Sensors -

WeatherGoose II - Sensors
itwatchdog-jef.radford.edu/dyn_sensors.htm.en
Temperature (F), 79.82 °F. Relative Humidity, 19 %. Dew Po
Level, 1, 0: Dark - 100: Bright. Air Flow, 18, 20: Still - 100: R

Newmar SPM - Sensors DynPage
https://online.tullahomapediatrics.com/dyn_sensors.htm
TEMP, 71.150 °F. GEN Battery, 11.8 V. 0.0 V. 0.0 V. -1.3 A. Generator, 7.3 V. LINE,
127.2 V. DOOR, Closed, 100=open 0=closed. Open, 100=open 0=closed.

GEIST Mark
IP Address: 10.0.250.51
Local Time: Thu, 02/04/16 23:25:02
RCX™ v3.15.1
Alarms: 10 Monitored, 6 Triggered, 0 Unplugged

Sensors

Mark ID 01508F904120000004

kWh-Hours	47.01 kWh
Volts	118.00 V _{RMS}
Volts (Peak)	118.00 V _{RMS}
Arms	0.11 A _{RMS}
Arms (Peak)	0.70 A _{RMS}
Real Power	60.00 Watts
Apparent Power	90.8 Volt-Amperes
Power Factor	74.8 %

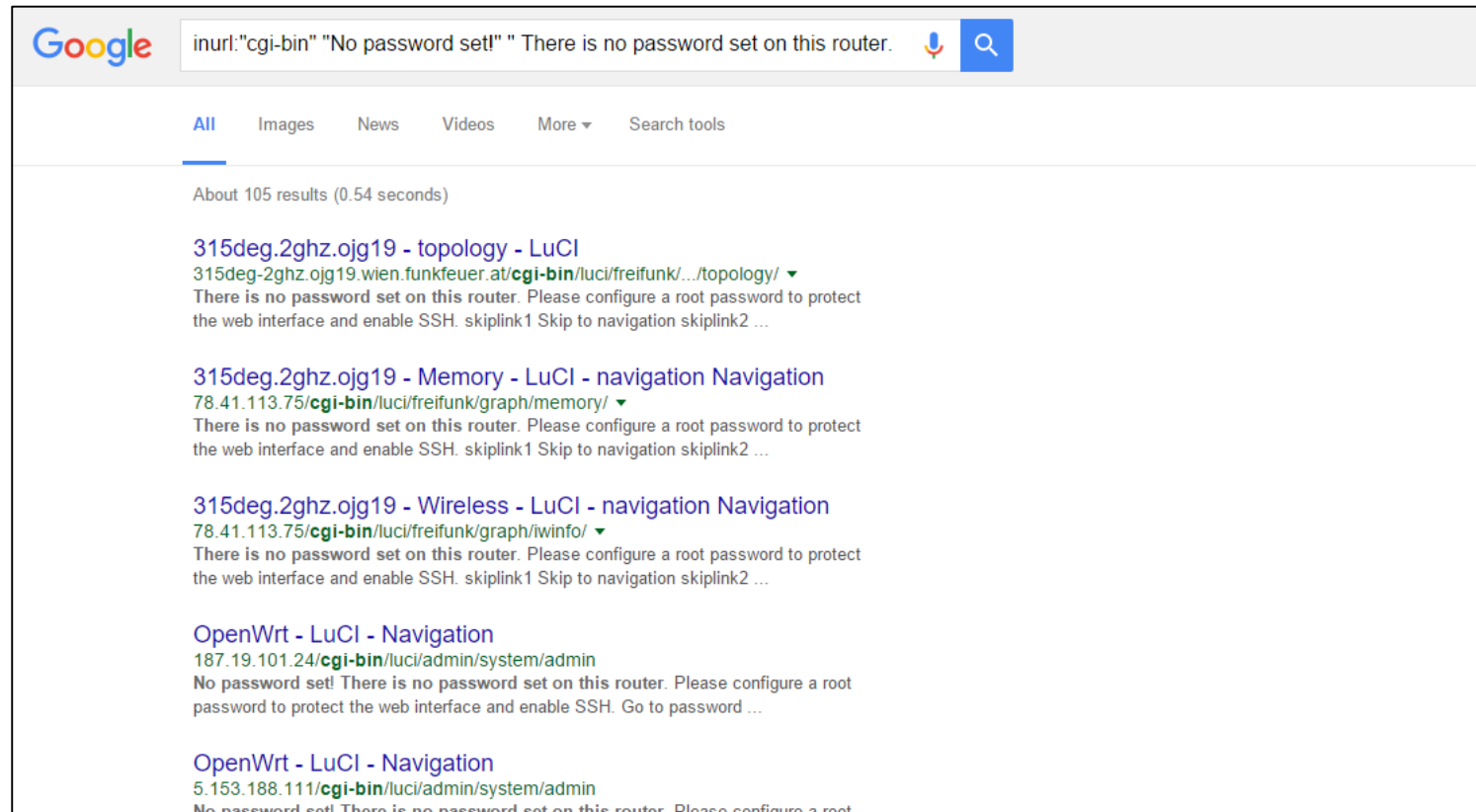
Graph

Mark ID 16000000/A3B01112

Temperature (F)	66.33 °F
Air Flow	/ 20: Still - 100: Rushing
Relative Humidity	29 %
Dew Point (F)	33.09 °F

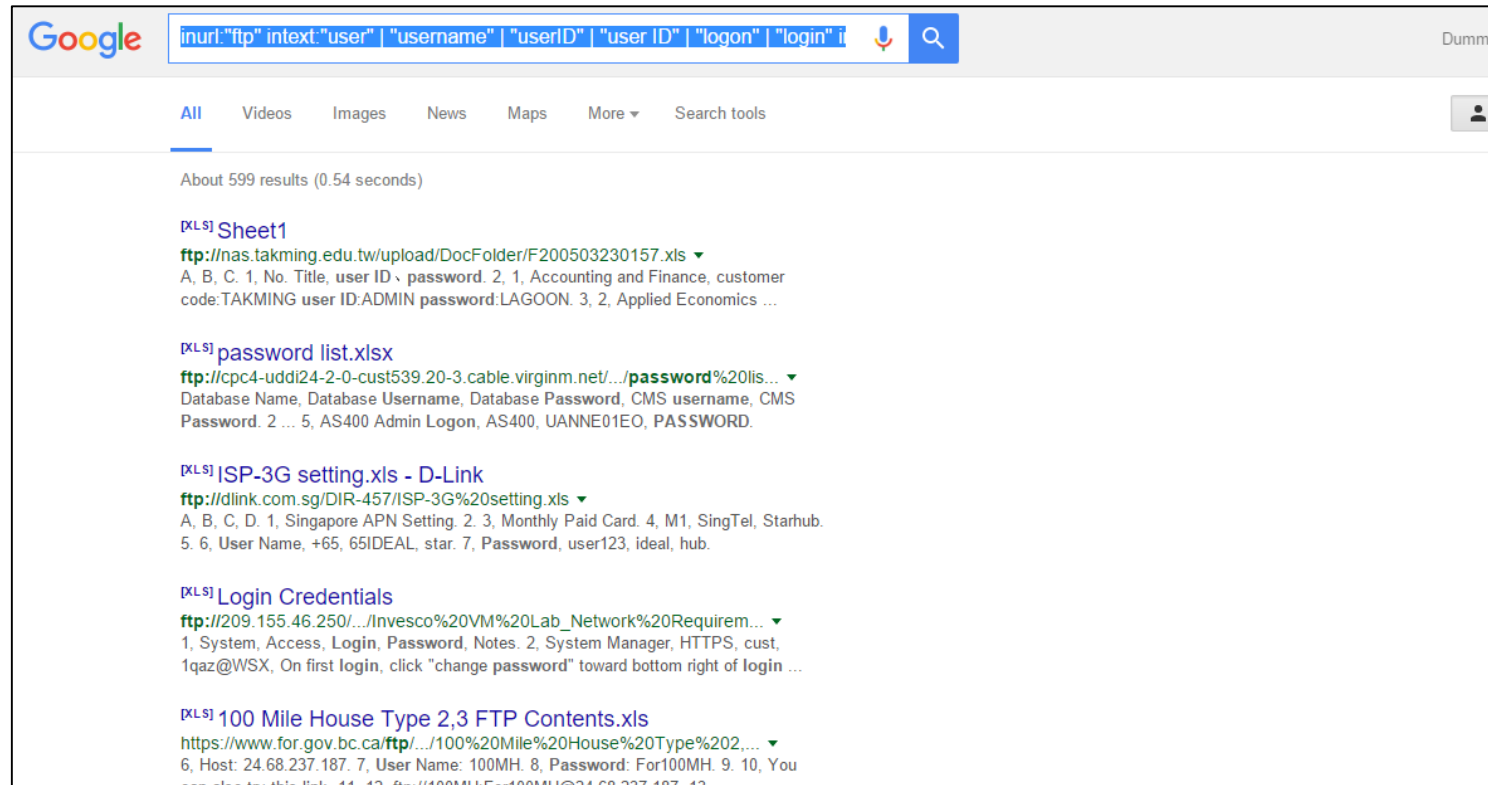
Password Less Router!!

inurl:"cgi-bin" "No password set!" " There is no password set on this router."



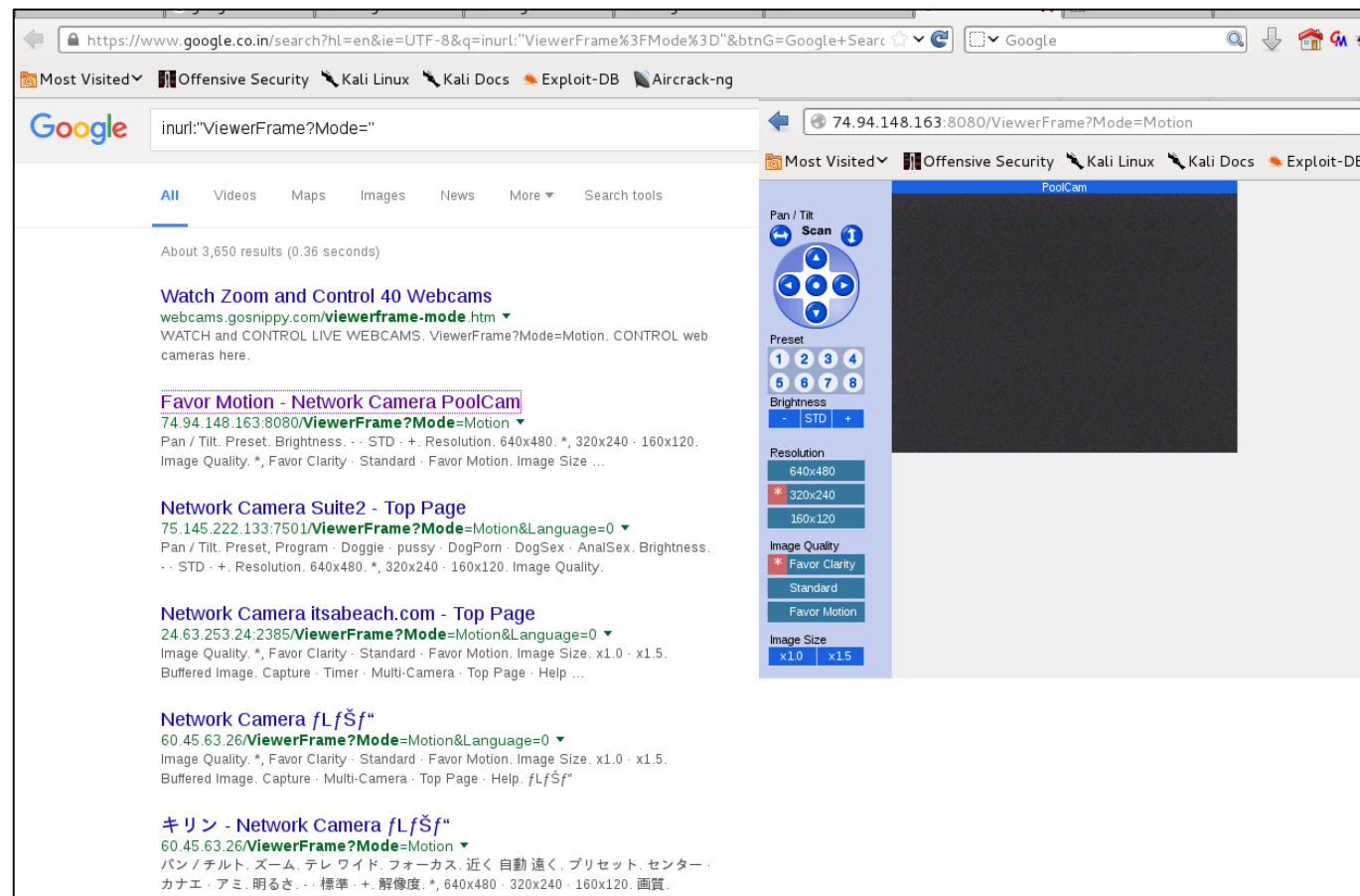
Passwords

inurl:"ftp" intext:"user" | "username" | "userID" | "user ID" | "logon" | "login"
intext:"password" | "passcode" filetype:xls | filetype:xlsx



IP Cameras

Inurl:"ViewerFrame?Mode="



Network monitoring

"IPSentry - Device Statistics Information"

The screenshot shows a Google search results page for the query "IPSentry - Device Statistics Information". The search bar at the top contains the query, and the results are displayed below. The first result is from the University of Waterloo, titled "IPSentry - Device Statistics Information - University of ...". The second result is from Web Spinners, titled "IPSentry - Device Statistics Information - Web Spinners@, ...". The third result is from www3.nd.edu, titled "IPSentry - Device Statistics Information ...". The fourth result is from 128.230.72.124/~dkirk/private/phystatus.html, titled "Network Status ...". The fifth result is from monitor.ancara.net, titled "IPSentry - Device Statistics Information ...".

Google search results for "IPSentry - Device Statistics Information".

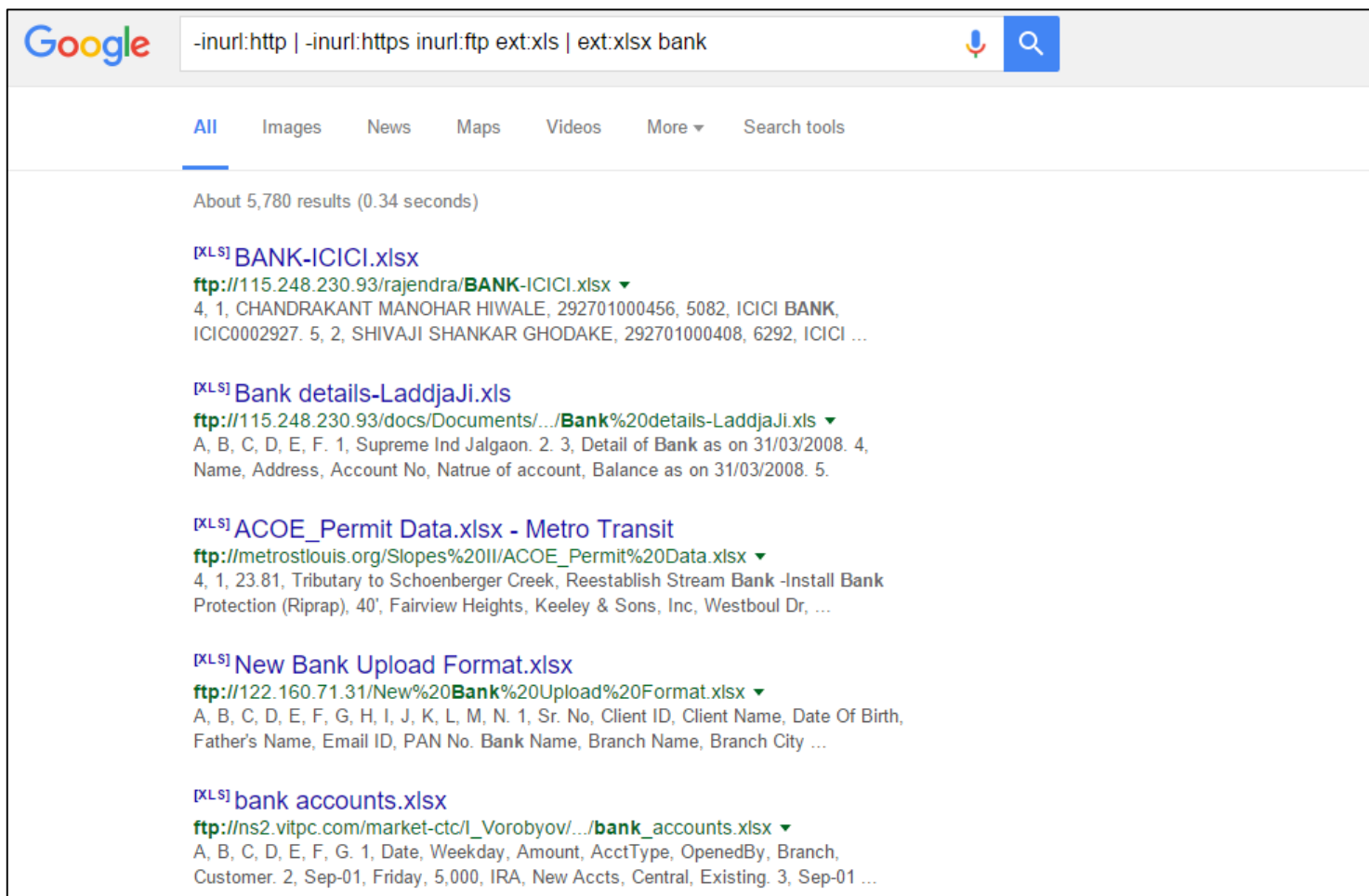
Results include:

- IPSentry - Device Statistics Information - University of ...**
www.lib.uwaterloo.ca/staff/systems/ipsentrystats.htm
IPSentry: Device Statistics Information (As of Monday, October 3, 2005 12:59:06 [an error occurred while processing this directive] [an error occurred while ...])
- IPSentry - Device Statistics Information - Web Spinners@, ...**
webspinners.net/ServerStats.htm
Stat, Type, Name/Desc, Last Action, Up-Time Attempt:Fail. UP, Network, ASR [www.spkinney.com:http] Web Server RT: 63ms ...
- IPSentry - Device Statistics Information**
www3.nd.edu/~cluscons/ping_list.htm
Stat, Type, Name/Desc, Last Action, Up-Time Attempt:Fail. DOWN, Network, arch022-09.cc.nd.edu [arch022-09.cc.nd.edu:ICMP-Ping] arch022-09.cc.nd.edu
- Network Status**
128.230.72.124/~dkirk/private/phystatus.html
IPSentry: Device Statistics Information (As of Tuesday, November 07, 2006 4:14:35 PM) [an error occurred while processing this directive] [an error occurred ...]
- IPSentry - Device Statistics Information**
monitor.ancara.net/
Stat, Type, Name/Desc, Last Action, Up-Time Attempt:Fail. SUSPENDED, Addin, UH PL01 Http UH PL01 Http RT: 297ms ...

Host	Type	Name/Desc	Last Action	Up-Time
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%
128.230.72.124	ICMP-Ping	128.230.72.124	UP	100%

Banking details

-inurl:http | -inurl:https inurl:ftp ext:xls | ext:xlsx bank



Google -inurl:http | -inurl:https inurl:ftp ext:xls | ext:xlsx bank

All Images News Maps Videos More Search tools

About 5,780 results (0.34 seconds)

[XLS] BANK-ICICI.xlsx
ftp://115.248.230.93/rajendra/BANK-ICICI.xlsx ▼
4, 1, CHANDRAKANT MANOHAR HIWALE, 292701000456, 5082, ICICI BANK, ICIC0002927. 5, 2, SHIVAJI SHANKAR GHODAKE, 292701000408, 6292, ICICI ...

[XLS] Bank details-LaddjaJi.xls
ftp://115.248.230.93/docs/Documents/.../Bank%20details-LaddjaJi.xls ▼
A, B, C, D, E, F. 1, Supreme Ind Jalgaon. 2. 3, Detail of Bank as on 31/03/2008. 4, Name, Address, Account No, Natrue of account, Balance as on 31/03/2008. 5.

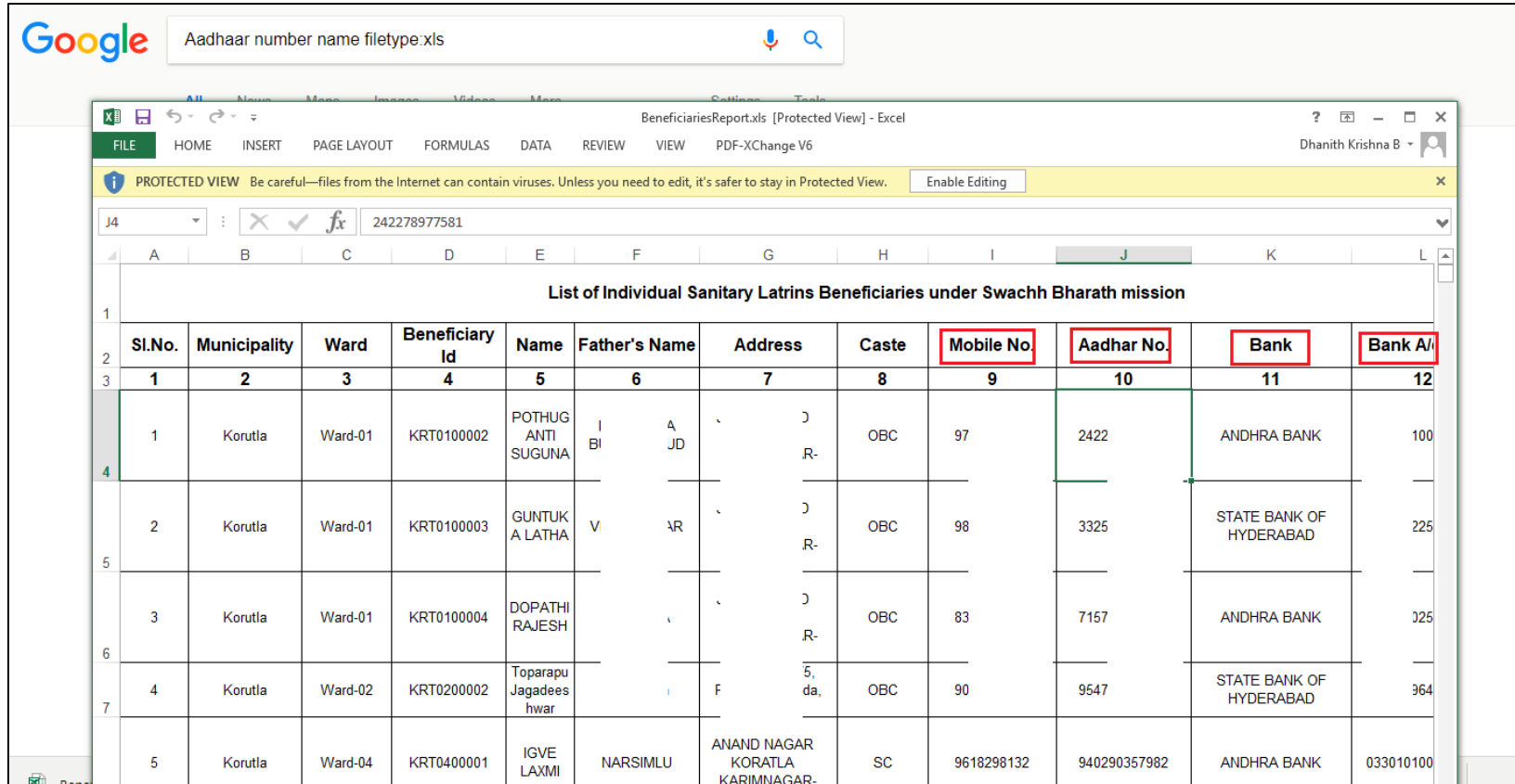
[XLS] ACOE_Permit Data.xlsx - Metro Transit
ftp://metroslouis.org/Slopes%20II/ACOE_Permit%20Data.xlsx ▼
4, 1, 23.81, Tributary to Schoenberger Creek, Reestablish Stream Bank -Install Bank Protection (Riprap), 40', Fairview Heights, Keeley & Sons, Inc, Westboul Dr, ...

[XLS] New Bank Upload Format.xlsx
ftp://122.160.71.31/New%20Bank%20Upload%20Format.xlsx ▼
A, B, C, D, E, F, G, H, I, J, K, L, M, N. 1, Sr. No, Client ID, Client Name, Date Of Birth, Father's Name, Email ID, PAN No. Bank Name, Branch Name, Branch City ...

[XLS] bank accounts.xlsx
ftp://ns2.vitpc.com/market-ctc/I_Vorobyov/.../bank_accounts.xlsx ▼
A, B, C, D, E, F, G. 1, Date, Weekday, Amount, AcctType, OpenedBy, Branch, Customer. 2, Sep-01, Friday, 5,000, IRA, New Accts, Central, Existing. 3, Sep-01 ...

Aadhar :/

Aadhaar number name filetype:xls



Google search results for "Aadhaar number name filetype:xls".

Excel spreadsheet titled "BeneficiariesReport.xls [Protected View] - Excel". The spreadsheet displays a table of beneficiaries for the Swachh Bharath mission.

Table Headers:

- Sl.No.
- Municipality
- Ward
- Beneficiary Id
- Name
- Father's Name
- Address
- Caste
- Mobile No.
- Aadhar No.
- Bank
- Bank A/c

Table Data:

Sl.No.	Municipality	Ward	Beneficiary Id	Name	Father's Name	Address	Caste	Mobile No.	Aadhar No.	Bank	Bank A/c
1	Korutla	Ward-01	KRT0100002	POTHUG ANTI SUGUNA	I BI A JD	\ R-	OBC	97	2422	ANDHRA BANK	100
2	Korutla	Ward-01	KRT0100003	GUNTUK A LATHA	V \R	\ R-	OBC	98	3325	STATE BANK OF HYDERABAD	225
3	Korutla	Ward-01	KRT0100004	DOPATHI RAJESH	\	\ R-	OBC	83	7157	ANDHRA BANK	325
4	Korutla	Ward-02	KRT0200002	Toparapu Jagadees hwar		5, da, F	OBC	90	9547	STATE BANK OF HYDERABAD	364
5	Korutla	Ward-04	KRT0400001	IGVE LAXMI	NARSIMLU	ANAND NAGAR KORATLA KARIMNAGAR-	SC	9618298132	940290357982	ANDHRA BANK	033010100

Where to find dorks?

- <https://www.exploit-db.com/google-hacking-database/>
- Athena
- Gooscan
- SiteDigger

IOT Search Engine



The screenshot shows the Shodan website homepage. At the top, there is a navigation bar with links for 'Scanhub', 'Maps', 'Blog', 'Membership', and 'Register'. Below this is a search bar with the Shodan logo and a 'Search' button. The main content area features a large world map with red dots indicating device locations. To the left of the map, the text reads 'EXPOSE ONLINE DEVICES.' followed by a list of device types: 'WEBCAMS. ROUTERS. POWER PLANTS. IPHONES. WIND TURBINES. REFRIGERATORS. VOIP PHONES.' Below this text are two buttons: 'TAKE A TOUR' (red) and 'FREE SIGN UP' (green). At the bottom of the main content area, there is a line of text: 'Popular Search Queries: iOmega NAS Devices (no passwords) - A bunch of external hard drives without passwords attached to the interbuttz'. Below the main content area are three white boxes with icons and text. The first box has a gear icon and is titled 'DEVELOPER API', with the text 'Find out how to access the Shodan database with Python, Perl or Ruby.' The second box has a life preserver icon and is titled 'LEARN MORE', with the text 'Get more out of your searches and find the information you need.' The third box has a blue bird icon and is titled 'FOLLOW ME', with the text 'Contact me and stay up to date with the latest features of Shodan.'

Scanhub Maps Blog Membership Register

SHODAN

Search

EXPOSE ONLINE DEVICES.

WEBCAMS. ROUTERS.
POWER PLANTS. IPHONES. WIND TURBINES.
REFRIGERATORS. VOIP PHONES.

TAKE A TOUR **FREE SIGN UP**

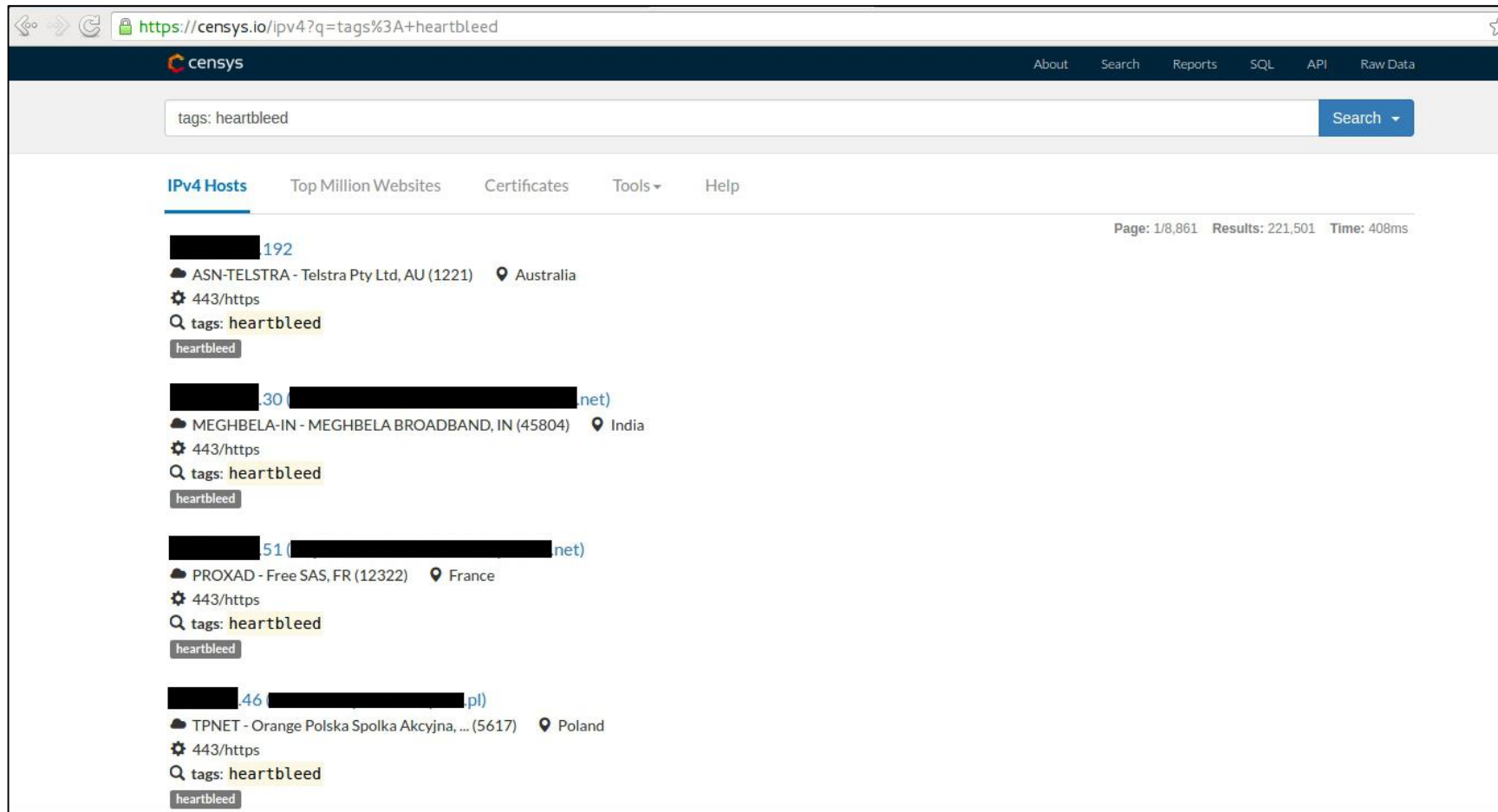
Popular Search Queries: iOmega NAS Devices (no passwords) - A bunch of external hard drives without passwords attached to the interbuttz

 **DEVELOPER API**
Find out how to access the Shodan database with Python, Perl or Ruby.

 **LEARN MORE**
Get more out of your searches and find the information you need.

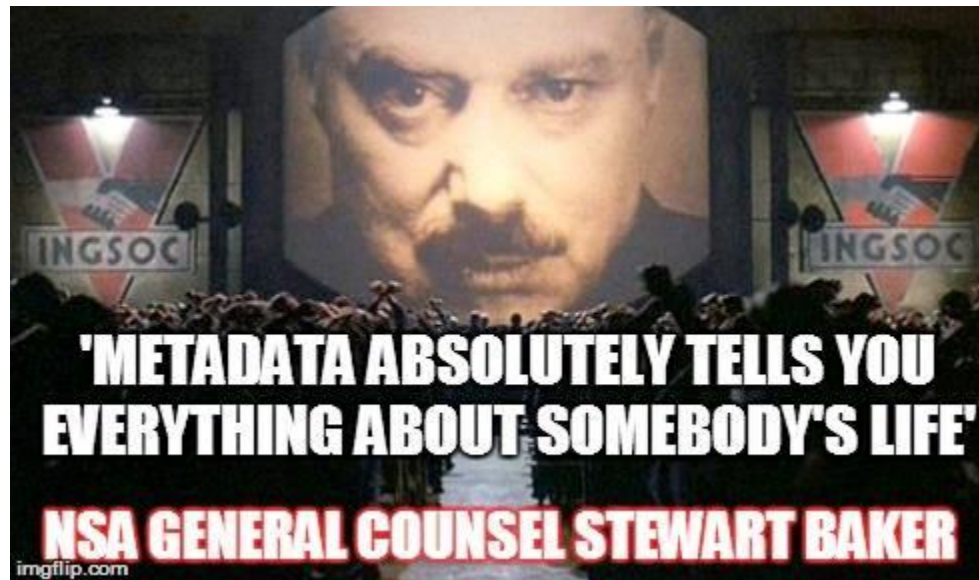
 **FOLLOW ME**
Contact me and stay up to date with the latest features of Shodan.

IOT Search Engine



Metadata

- Metadata is data describing data inside files
- Metadata information reveals lots of juicy info



Metadata

Test Project - FOCA Free 3.2

Project | Tools | Options | TaskList | About | Donate

Test Project

- Network
 - Clients (1)
 - Servers (0)
 - Unlocated Servers
- Domains
- Roles
- Vulnerabilities
- Metadata
 - Documents (1/140)
 - .pptx (1)
 - Metadata Summary
 - Users (2)**
 - Folders (0)
 - Printers (0)
 - Software (2)
 - Emails (0)
 - Operating Systems (0)
 - Passwords (0)
 - Servers (0)

Attribute | Value

All users found (2) - Times found

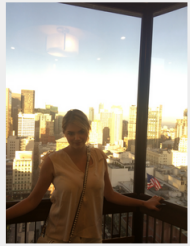
Joey Muniz	1
Aamir Lakhani	1

Time	Source	Severity	Message
1:11:34 ...	MetadataSearch	low	Downloaded document: http://www.wwt.com/markets/documents/WWTTG500CiscoTelepresence_...
1:12:02 ...	MetadataSearch	low	Downloaded document: http://www.wwt.com/external_content/downloads/CashmanEquipmentSuc...
1:12:31 ...	MetadataSearch	low	Downloaded document: http://www.wwt.com/news_events/documents/WWT_WirelessMobilityinHC...
1:13:00 ...	MetadataSearch	low	Downloaded document: http://www.wwt.com/news_events/documents/stlbj_9_0_05.pdf
1:13:43 ...	MetadataSearch	low	Downloaded document: http://www.wwt.com/external_content/downloads/CSMars_Data_Sheet.pdf
1:13:58 ...	MetadataSearch	low	Downloaded document: http://www.wwt.com/news_events/documents/WWT_DesktopVirtualizatio...

Conf | Deactivate AutoScroll | Clear | Save log to File

Downloading 65/140

Metadata

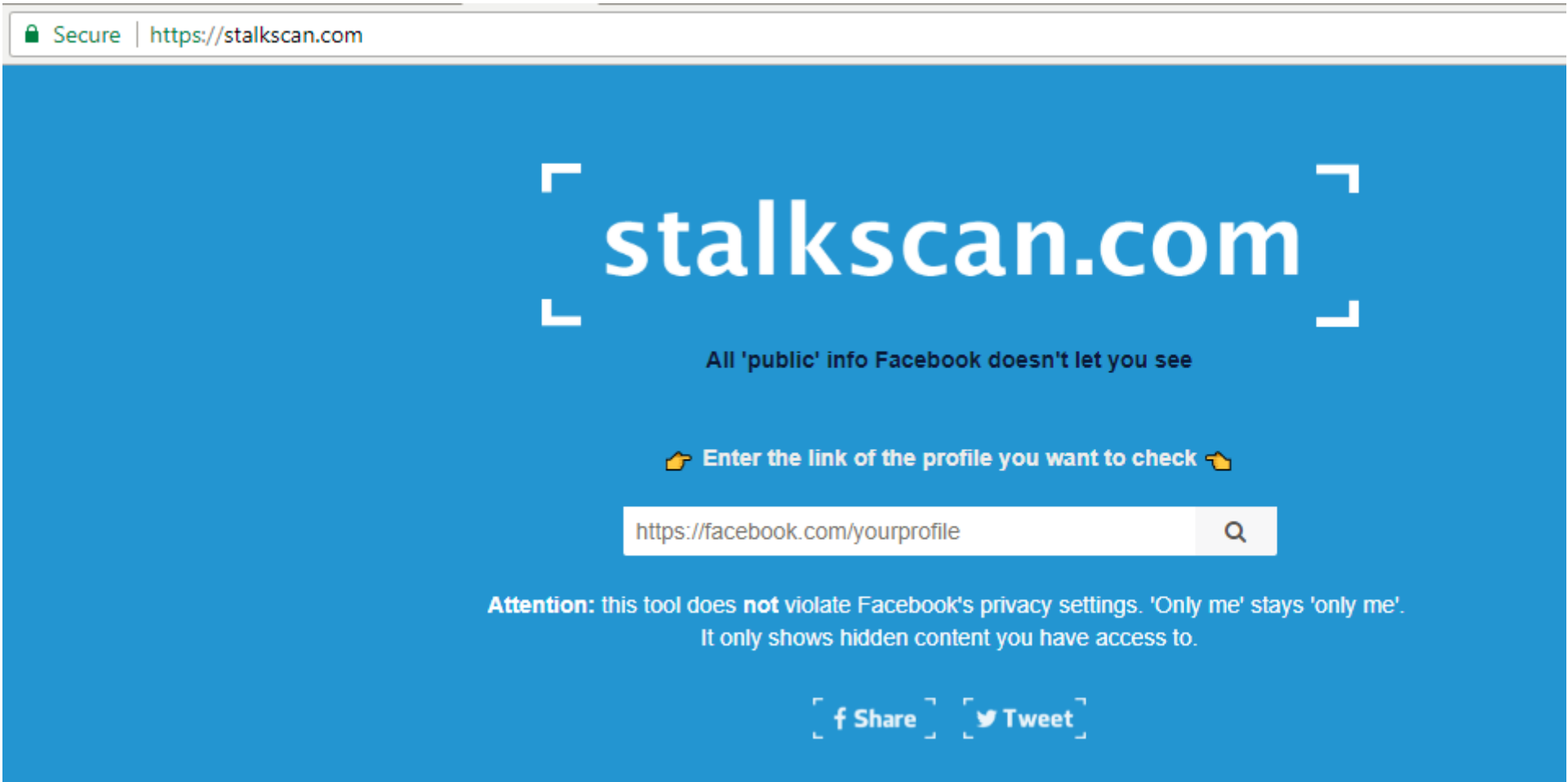
	Make	Apple
	Model	iPhone 5s
	Date	2014:05:26 19:24:31
	ApertureValue	2.2750071245369052
	BrightnessValue	4.261927945472249
	ColorSpace	1
	ComponentsConfiguration	YCbCr
	DateTime	2014:08:17 18:30:16
	DateTimeDigitized	2014:05:26 19:24:31
	DateTimeOriginal	2014:05:26 19:24:31
	ExifIFDPointer	2316
	ExifVersion	0221
	ExposureMode	0
	ExposureProgram	Normal program
	ExposureTime	0.012195121951219513
	FNumber	2.2
	Flash	Flash fired, compulsory flash mode
	FlashpixVersion	0100
	FocalLength	4.12
	FocalLengthIn35mmFilm	30
	GPSTatitude	30.407744874715263
	GPSTatitudeRef	0
	GPSImgDirection	111.54248366013071
	GPSImgDirectionRef	T
	GPSInfoIFDPointer	5716
	GPSLatitude	37,47,16.48
	GPSLatitudeRef	N
	GPSLongitude	122,24,35.88
	GPSLongitudeRef	W
	GPSTimeStamp	2,24,31.24

SOCINT

- Social media is an inevitable part of modern life.
- Most social media websites has insecure default privacy settings.
- Real data exposure is not known to end users.
- Facebook Graph Search.



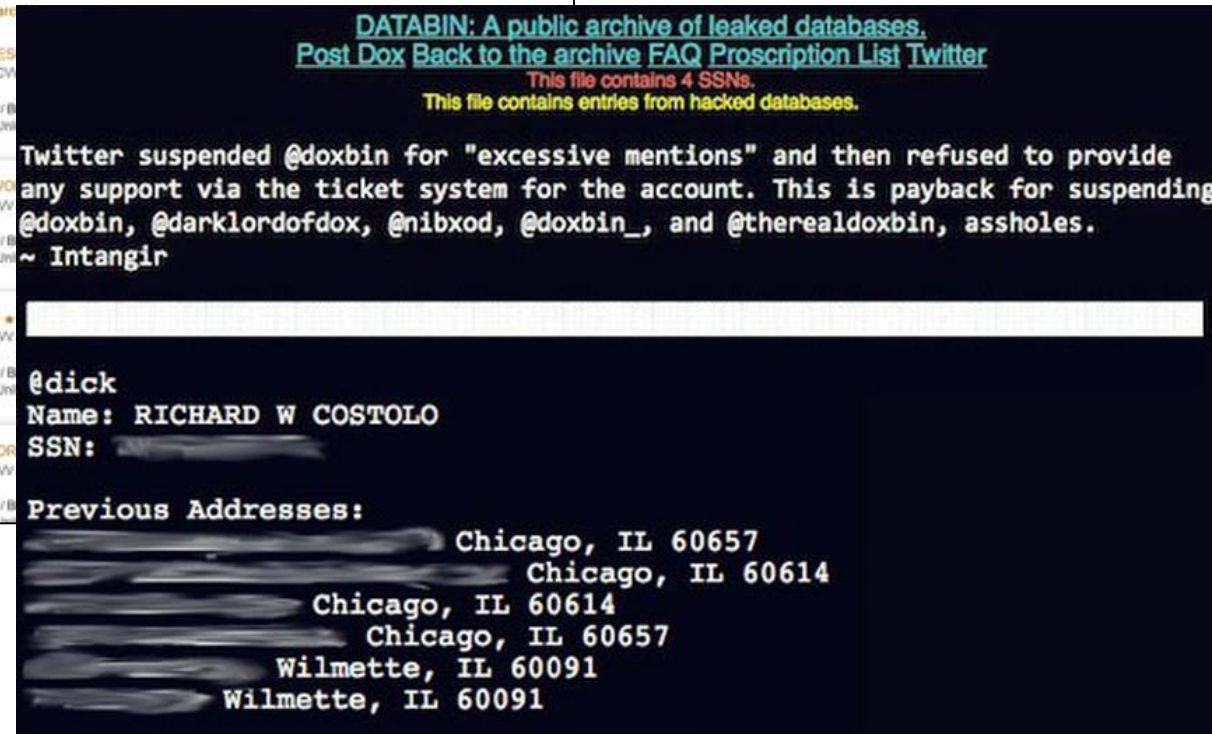
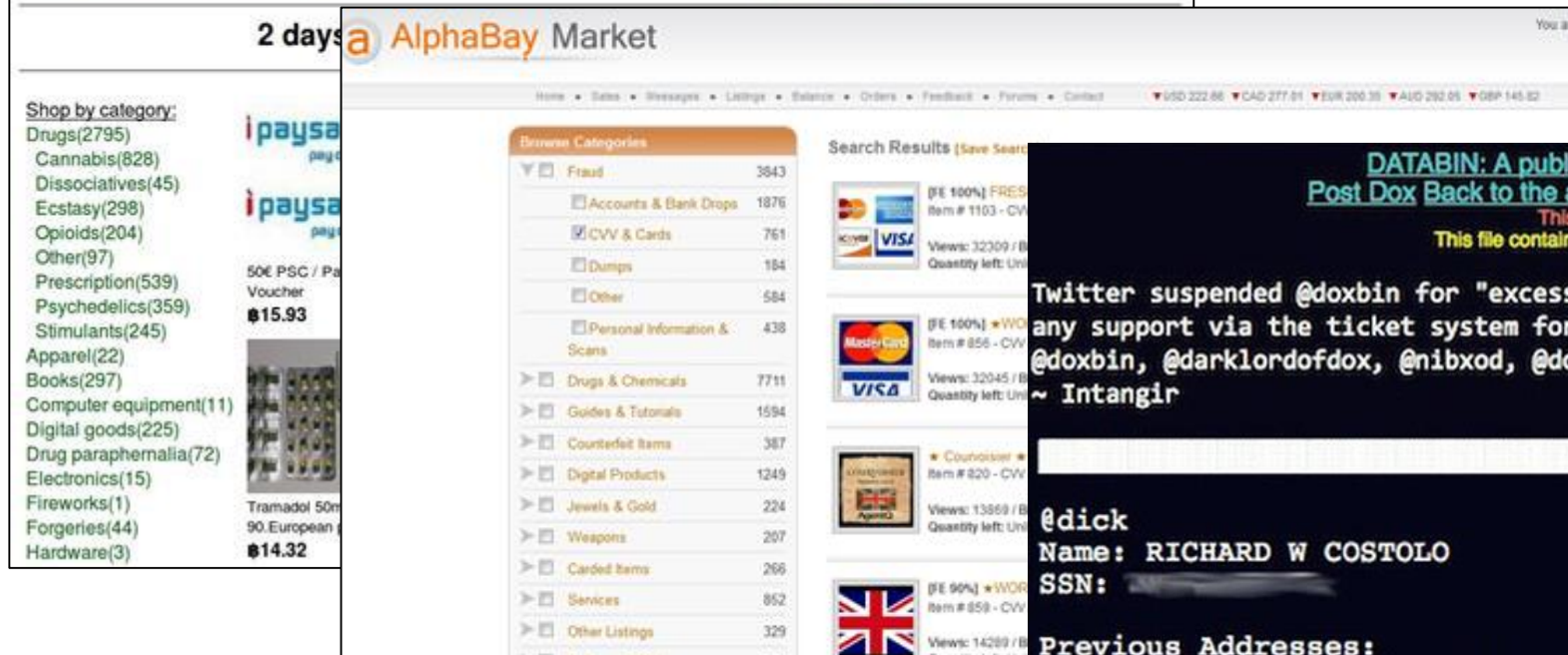
SOCINT



Dark and Deep Web INTEL



Dark and Deep Web INTEL



Breach Data

- When online businesses or websites are hacked , hackers sometime makes the breached data public
- Available in paste sites, torrent sites, hacker forums and dark web
- Breach data contains clear text passwords
- People tend to reuse passwords



GOVINT

Government Portals leak a lot of data on us

Google filetype:xls site:gov.in bank account

About 2,510 results (0.68 seconds)

[noap beneficiaries bank account numbers - Nagaon](#)
nagaon.gov.in/noapdata/Khagorijan_Dev_Block.xls
Name of Beneficiary, Father/Husband Name, Village, Account No. Name of Bank. 4. 1. Md. Abdul

Khagorijan_Dev_Block.xls [Compatibility Mode] - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW PDF-XChange V6

Paste Clipboard Font Alignment Number Styles

F7 : Allahabad Bank, Nagaon

Sl. No.	Name of Beneficiary	Father/Husband Name	Village	Account No.	Name of Bank
1	Md. Abdul Barek	Lt. Abdul Gafur	Laogaon	7050	Union Bank, Nagaon
2	Joygun Nessa	Lt. Faijuddin	Laogaon	4832/17	LGB, Nagaon
3	Fuljan Bibi	Lt. Gulam Hussain	Laogaon	12164	Central Bank, Nagaon
4	Kul Banu	Lt. Ainuddin	Rowmari	24952/26/111	Allahabad Bank, Nagaon
5	Abdul Khalek	Lt. Jainuddin	Rowmari	5731/25	UBI, Nagaon
6	Taleb Ali	Lt. Alimamud	Rowmari	247084	PO-Halborgaon
7	Jarina Khatun	Lt. Jahuruddin	Rowmari	247114	PO-Halborgaon
8	Ennas Ali	Lt. Asraf Ali Hoque	Itapara	5842/20	LGB, Nagaon
9	Siraj Ali	Lt. Abdul Hussain	Itapara	4849/17	LGB, Nagaon
10	Shabila Banu	Lt. Munnash Ali	Laogaon	5227/18	LGB, Nagaon
11	Musa Khairon Nessa	Lt. Usman Ali	Laogaon	247081	PO-Halborgaon
12	Nekbar Ali	Lt. Tali Hussain	Rowmari	5627/19	LGB, Nagaon

Protecting Yourself

- Keep your sensitive data off the web!
- Audit yourself .
- Request for removal of the content online



Audit Yourself

- Use OSINT tools to perform recon on yourselves
 - <http://osintframework.com/>
 - <https://inteltechniques.com/>
- Check your social media privacy settings



Thank You

Happy Hacking