

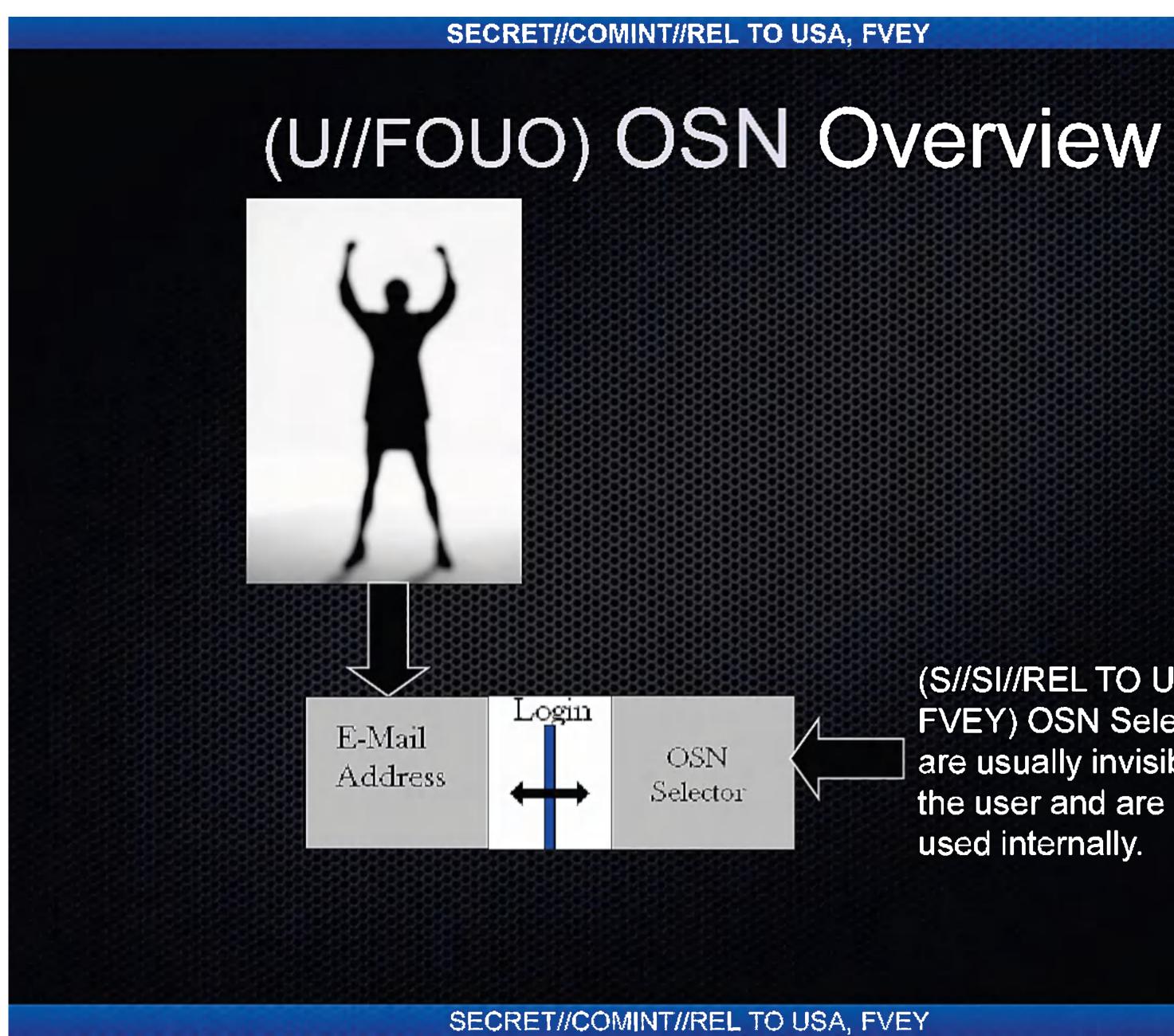
The overall classification of this briefing to TOP SECRET//COMINT//REL TO USA, FVEY

Online Social Networks SME September 2009

TOP SECRET//COMINT//REL TO USA, FVEY

(S//SI//REL) Tracking **Targets on Online Social Networks**

Derived From NSA/CSSM 1-52 Dated 20070108 Declassify on: 20320108



(S//SI//REL TO USA, **FVEY) OSN Selectors** are usually invisible to the user and are only used internally.



(TS//SI//REL TO USA, FVEY) Suppose you sign up for Fanbox with the address terror.bomber@live.com, and you also sign up for Fanbox email.

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(U)Fanbox CFanBox

(TS//SI//REL TO USA, FVEY) Here's what your identifiers will look like:

- (TS//SI//REL TO USA, FVEY) Username: terrorbomber378691622
- (TS//SI//REL TO USA, FVEY) UserId: 217440283
- (TS//SI//REL TO USA, FVEY) Email: terrorbomber@fanbox.com (if it's available)
- (TS//SI//REL TO USA, FVEY) Email: terrorbomber18246@fanbox.com (if the above address is already taken)
- (TS//SI//REL TO USA, FVEY) Note that if your sign up email address already exists as a Fanbox email address, Fanbox will simply append a few random digits to make it a unique Fanbox email address.

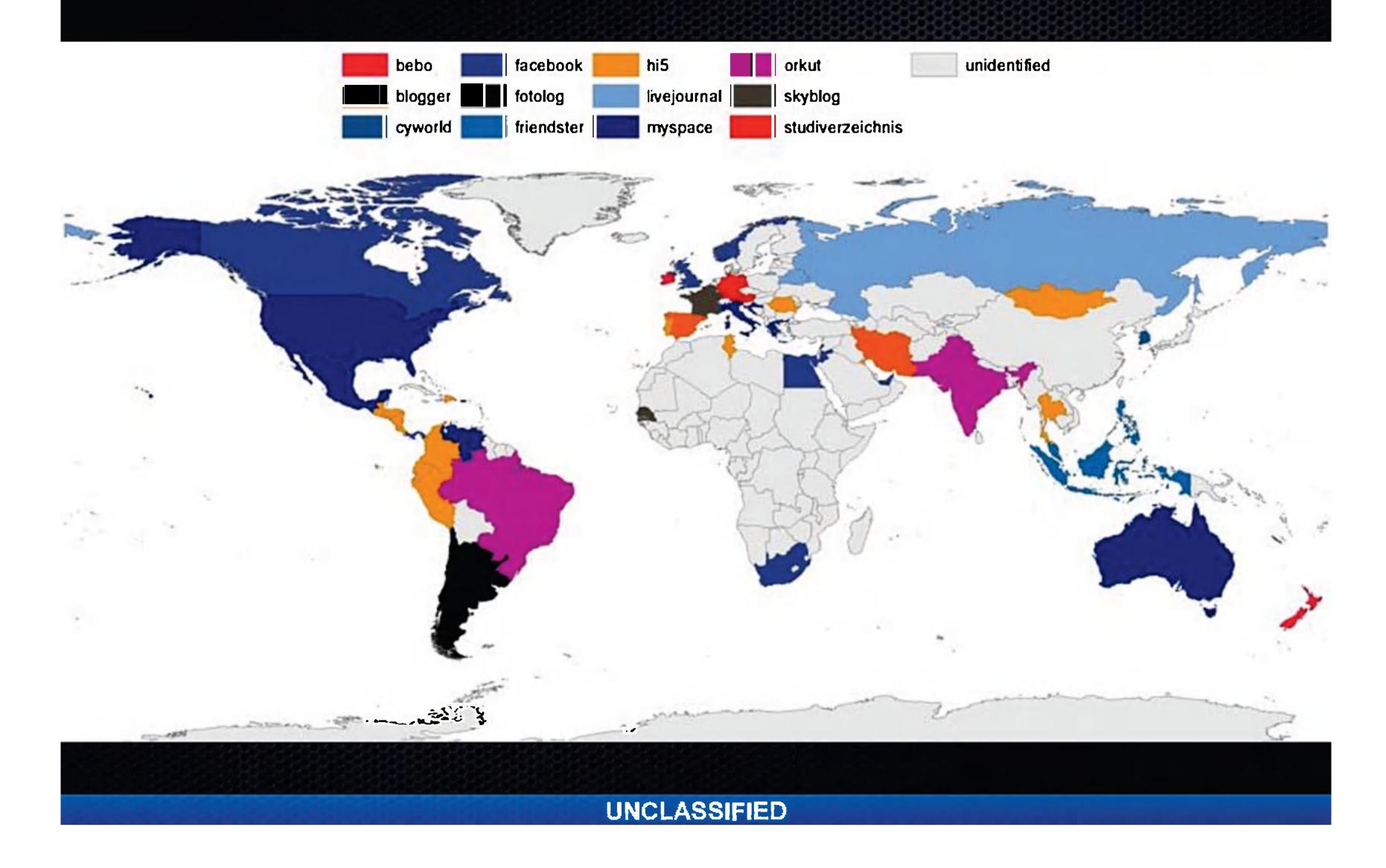
What intelligence do OSN's provide to the IC?

 (S//SI//REL TO USA, FVEY) Insight into the personal lives of targets MAY include:

- (U) Communications
- (U) Day to Day activities
- (U) Contacts and social networks
- (U) Photographs
- (U) Videos
- (U) Personnel information (e.g. Addresses, Phone, Email addresses)
- (U) Location and Travel Information

UNCLASSIFIED

(U) Popular Online Social Networks as of 2007



UNCLASSIFIED

(U)Popular Online Social Networks as of October 2008

The data shows the highest ranking social network for each country by traffic, not by metr-bers, page views or any other method.

Data was taken from Alexa.com on 15th Oct 2008

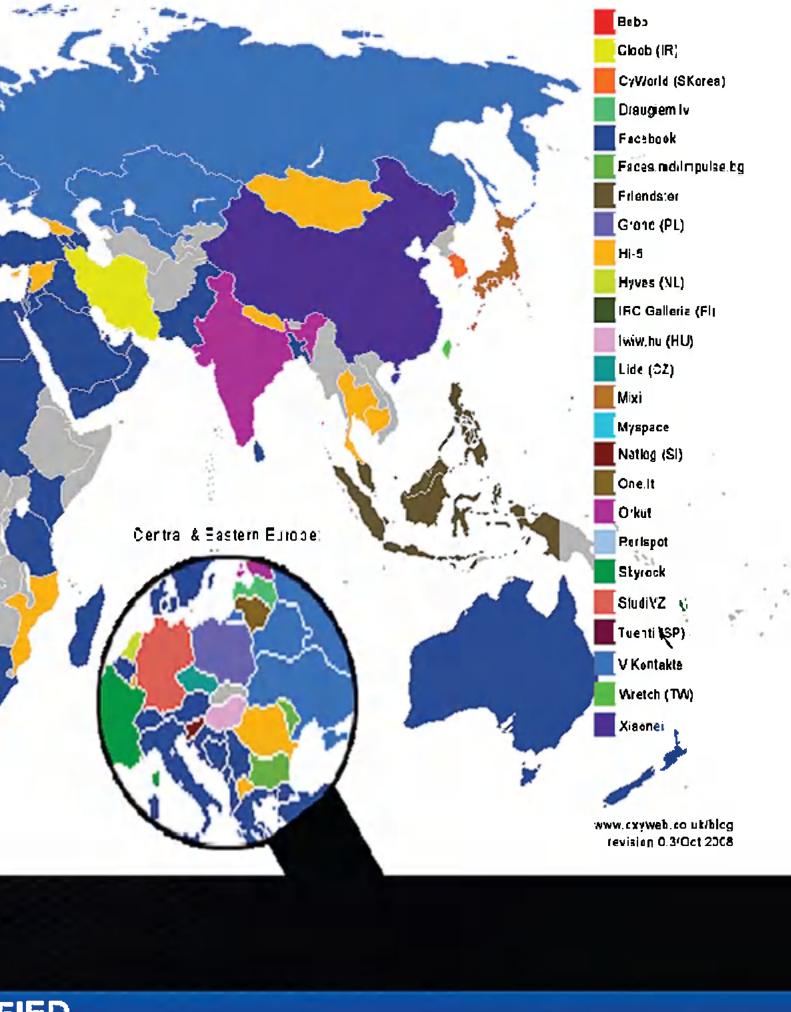
Alexa data comes from users who have the Alexa to clbar as well as 'data obtained from other, diverse traffic data sources" - Alexa.com

Countries in gray do not have data available and for a few countries it was difficult to identify local social networks and therefore were omitted from the map.

it's not perfect so lat me know of any errors or suggestions.

www.axyweb.co.uk/blog







myspace.com







hi5

(TS//SI//REL TO USA, FVEY) CT Targets have been observed using more than 50+ OSNs as of late 2008

facebook

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(TS//SI//REL TO USA, FVEY) Types of OSN Activity

(TS//SI//REL TO USA, FVEY) Type I: Operational Communication

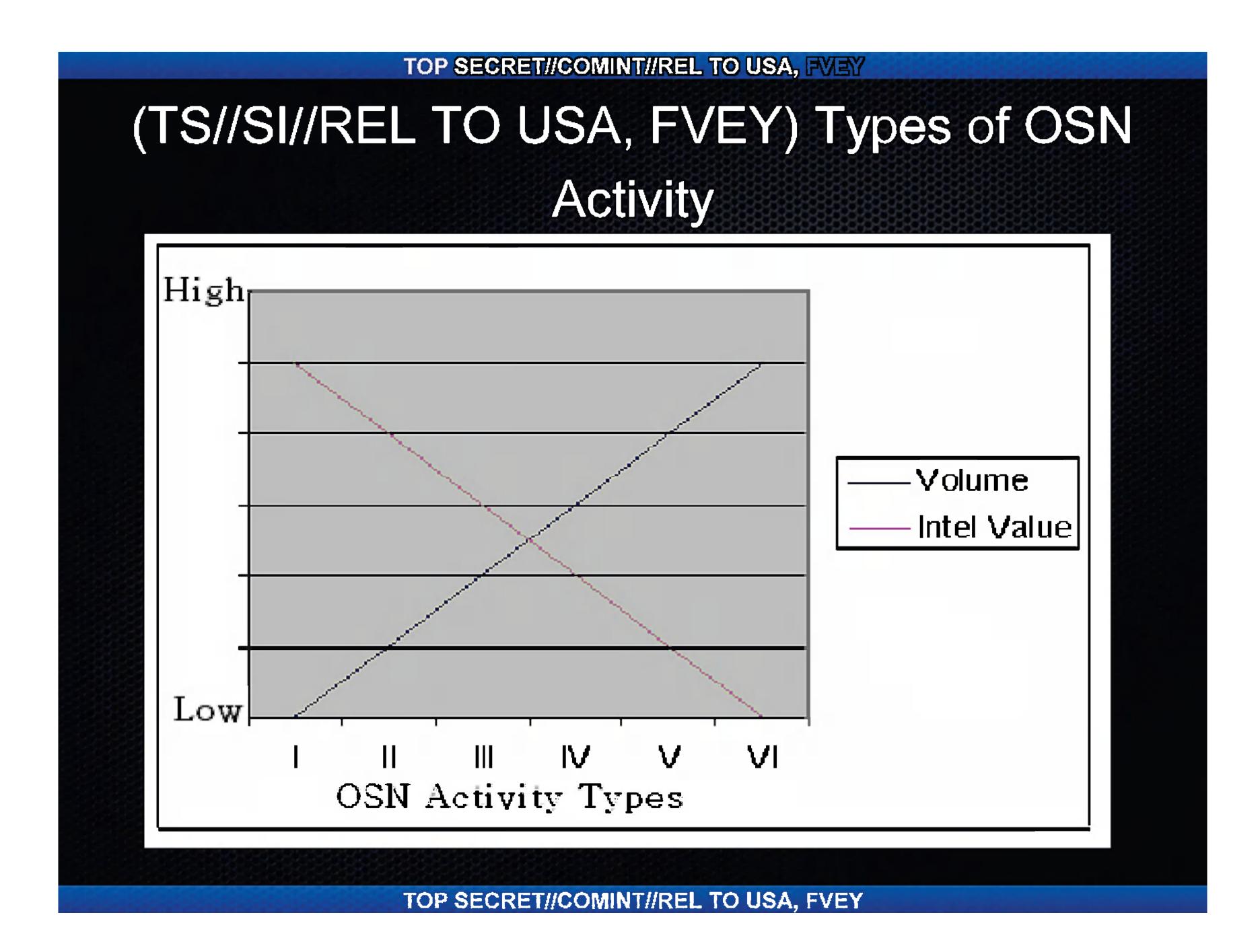
(TS//SI//REL TO USA, FVEY) Type II: Technological Operational Communication

(TS//SI//REL TO USA, FVEY) Type: III: Extremist/ Propaganda OSN Users (Overt)

(TS//SI//REL TO USA, FVEY) Type IV: Direct Non-operational OSN Users

(TS//SI//REL TO USA, FVEY) Type V: Self-Provided Personal Data on OSN

(TS//SI//REL TO USA, FVEY) Type VI: Close Associate Information or Communication ("The Super Sloth Method")



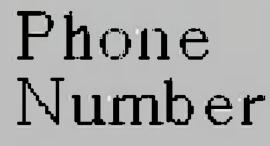


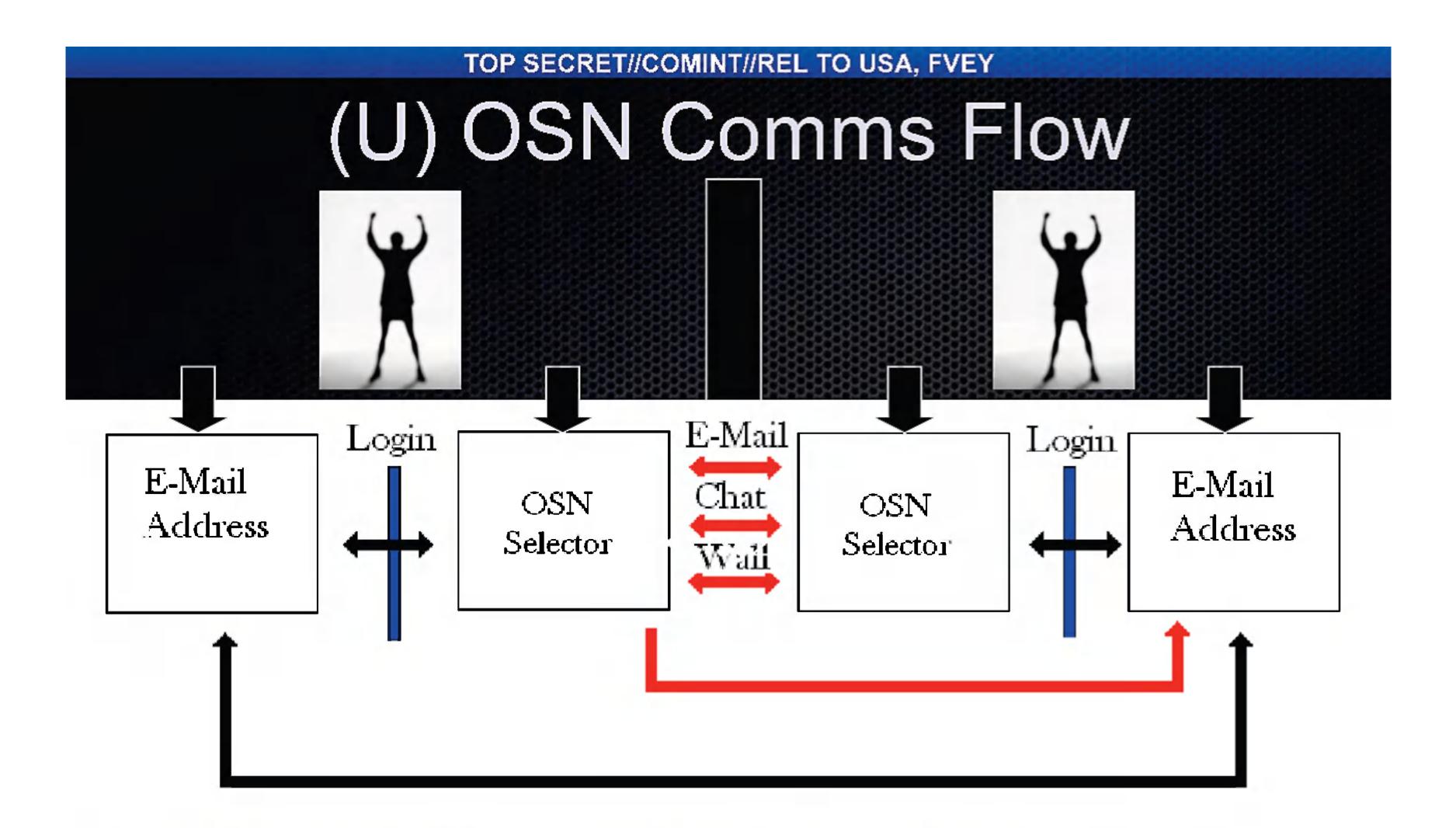
OSN

Selector

Address

Leverage initial selector seeds to build a better picture of the target's online persona and the selectors involved





(TS//SI//REL TO USA, FVEY) TWO individuals communicating seamlessly through at least FOUR independent selectors

(TS//SI//REL TO USA, FVEY) User Activity Possible Queries						
UserActivity						
Datetime:	1 Day Start: 2009-09-21 🖸 00:00 🤤 Stop: 2009-09-22 💽					
Search For:	username 💌					
Search Value:	12345678910					
Realm:	facebook					
Datetime:	1 Day 🗹 Start: 2009-09-21 🖸 00:00 🔷 Stop: 2009-09-22 💽					
Search For:	usemame 💌					
Search Value:	My_Username					
Realm;	netlog					
TOP SECRET//COMINT//REL TO USA, FVEY						

(TS//SI//REL TO USA, FVEY) Pros and Cons of User Activity Queries

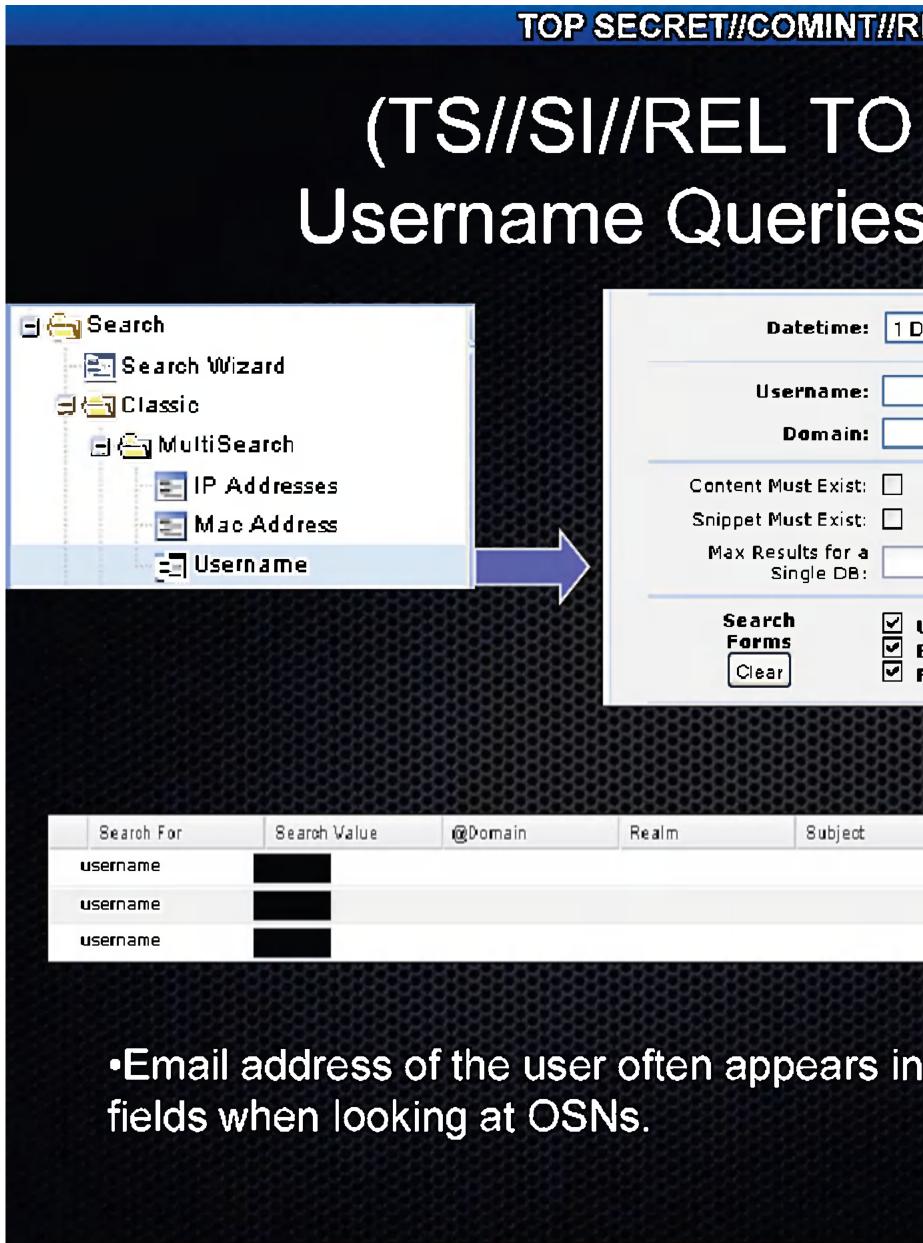
Pros:

Hard Selector query Easy to pull/automate Email Addresses in the Username can lead to new leads

Cons:

Only certain OSN's usernames that can be queried No content that doesn't have a selector associated with it No Web-Browsing

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HTTP Activity and IP Mu	25 5 7 5 5 6 7 7 7 6 7 6 7 7 7 7 7 7 7 7	
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IP Address;	URL Args:	
From	Search Terms:	
IP Role: 🗹 To 🗹 X-Forwarded-For	Language:	v
Image: Search Image: Search Forms Image: Search Image: Search Image: Search Image: Search	Active User:	
Clear MTTP Activity Full Log Web Proxy	TDI:	
HTTP Activity Queries usually require so information to query while leveraging the compliant		
•IP Address		
•MAC Address		
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Attribute Type email_address email_address email_address	Chain	Qya⊦ Qya⊦ Qya⊦		bebo 🗸 bebo
Attribute Type email_address email_address email_address	Chain	Qya⊦ Qya⊦ Qya⊦		bebo 🗸 bebo

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(TS	//SI//REL TO USA, FVEY) HTTP Activity Queries
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Cíty (IP):	From 🛩
	Queries usually require some other piece of technical query while leveraging the OSN appIDs to be legally compliant
•IP Address	
•MAC Address	
•Country of Origin	
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(TS//SI//REL TO USA, FVEY) Pros and Cons of HTTP Activity Queries

Pros:

OSNs that don't require login are seen Mobile and other technologies may be seen more easily

Web forms, chat, etc. that may not be collected by normal dictionary selection can be seen and saved off

Cons:

Traffic Overload – Too many results (GET requests etc.) Proxies and network architecture can obfuscate the target's traffic Bad presentation – HTTP activity usually needs to be viewed as code

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Latitude (IP): Longitude (IP): Longitude (IP):	To From To	
Application Type*: Application Info*: Application: AppID (+Fingerprints)* [<u>fulltext</u>]:	Facebook Target's Name social/facebook Field Builder1	
	Application Type*: Application Info*: *Target's Twitter Name* Application: social/twitter •	
	OP SECRET//COMINT//REL TO USA, FVEY	

(TS//SI//REL TO USA, FVEY) Useful Applds

Social/* = A great starting point, will show all social traffic on an IP, also an efficient way to see the types of OSN are being used in a geographic area, ISP, region, etc.

Social/YourOSNHere = Great for IP level targeting etc.

Social/Facebook/chat/to_server = Possible to see the recepient of a target's chat and the message that was sent

Social/Facebook/upioad/photo = AppID detects the photos being uploaded onto Facebook by your target

(U) Questions or Comments?

Contact Info

@nsa.ic.gov

(U//FOUO) Online Social Networks Working Group

Email: DL OSNwg

Main Page: "Go OSN" Other Pages: "Go Facebook" "Go Twitter" "Go OSN_Tiger_Team"

