ICCS Tor Overview

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TorProject.org
The Tor Project, Inc.

501(c)(3) non-profit organization dedicated to the research and development of technologies for online anonymity and privacy
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- online anonymity software and network
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- open source, freely available (3-clause BSD license)
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- increasingly diverse toolset:
  Tor, Torbutton, Tor Browser Bundle, TorVM, Incognito LiveCD, Tor Weather, Tor auto-responder, Secure Updater, Orbot, TorFox, Torora, Portable Tor, Tor Check, Arm, Nymble, Tor Control, Tor Wall
estimated 500,000 daily users
Twitter in Iran: Good.

Iran Protests: Twitter, the Medium of the Movement
By LEV GROSSMAN  Wednesday, Jun. 17, 2009

Behind the Scenes with Mousavi

Stories
• In Iran, Rival Regime Factions Play a High-Stakes Game of Chicken
• Latest Tweets on Fallout from Iran's

Share

The U.S. State Department doesn't usually take an interest in the maintenance schedules of dotcom start-ups. But over the weekend, officials there reached out to Twitter and asked them to delay a network upgrade that was scheduled for Monday night. The reason? To protect the interests of

From http://www.time.com/time/world/article/0,8599,1905125,00.html
Twitter in USA: Bad.

FBI Raids Queens Home in G20 Protest Twitter Crackdown

That's right, a Twitter crackdown. A lawyer for Jackson Heights social worker Elliot Madison, 41, says that the feds searched his client's house for 16 hours on Thursday after Madison was arrested on September 24th at a Pittsburgh hotel room with another man. What were they up to? Sitting at laptops sending Twitter messages advising G20 demonstrators about riot police activity in the streets. And yet real Twitter threats like Lindsay Lohan and Courtney Love remain at large.

Madison, a self-described anarchist, was in Pittsburgh volunteering for the Tin Can Comms Collective, a group that uses Twitter to send mass text messages during protests describing events observed on the streets or over police scanners; stuff like "SWAT teams rolling down 5th Ave." Tin Can was active during the St. Paul RNC protests, and the authorities are now on to them. Madison was charged with hindering apprehension or prosecution, criminal use of a communication facility and possession of instruments of crime; he's currently out on bail.

from http://gothamist.com/2009/10/05/fbi_raids_queens_home_in_g20_protes.php
Who uses Tor?

- Normal people
- Law Enforcement
- Human Rights Activists
- Business Execs
- Militaries
- Abuse Victims
Tor hides communication patterns by relaying data through volunteer servers.
Measuring metrics anonymously
NSF grant to find out
Metrics portal:
https://www.torproject.org/projects/metrics
Tor hidden services allow privacy enhanced hosting of services

The Federalist

The text of this version is primarily taken from the first collected 1788 "McLean edition", but spelling and punctuation errors -- mainly printer's lapses -- have been corrected. The main heads have also been taken from the original, except where the head was something like "The Same Subject Continued" we have repeated the previous head so that each document can better stand alone. We have been guided by the excellent edition by Jacob E. Cooke, with the footnotes are those of the authors, except where the original edition used a variety of special typographical symbols.
Operating Systems leak info like a sieve

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- Applications, network stacks, plugins, oh my.... some call this "sharing"
- Did you know Microsoft Word and OpenOffice Writer are browsers?
- http://www.decloak.net/ is a fine test
Mobile Operating Systems

- Entirely new set of challenges for something designed to know where you are
- Orbot: Tor on Android.  
- iphone, maemo, symbian, etc
- Tor on Windows CE, http://www.gsmk.de as an example.
Next steps

Visit https://www.torproject.org/ for more information, links, and ideas.
Credits & Thanks

- who uses tor?
  http://www.flickr.com/photos/mattw/2336507468/sizes/o/, Matt Westervelt, CC-BY-SA.

- danger!, http://flickr.com/photos/hmvh/58185411/sizes/o/, hmvh, CC-BY-SA.