Big Brother is Watching

The State of Global Communication Surveillance

Outline

- NSA Practices
- Legality
- Foreign Spying Agencies
- Responses



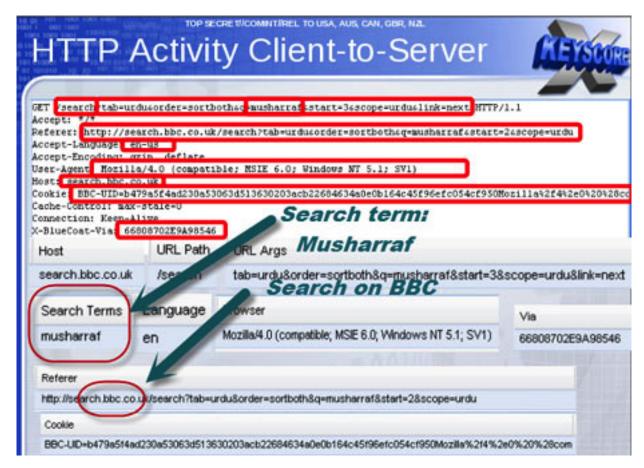
NSA Mission: The National Security Agency/Central Security Service (NSA/CSS) leads the U.S. Government in cryptology that encompasses both Signals Intelligence (SIGINT) and Information Assurance (IA) products and services, and enables Computer Network Operations (CNO) in order to gain a decision advantage for the Nation and our allies under all circumstances.



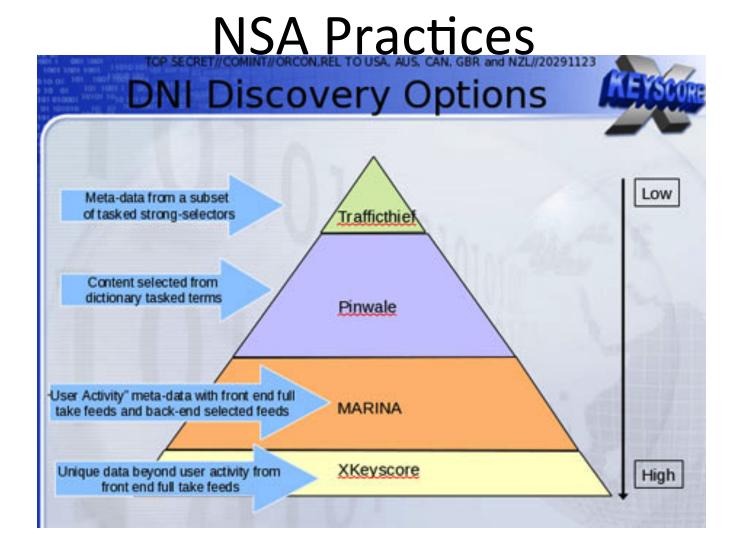
Verizon, ATT, Sprint, and other major telecommunications companies give the intelligence agencies the metadata on the telephone records of their customers



PRISM: Major American tech companies give the NSA access to their servers and user data within them



X-Keyscore: Allows analysts to search through databases of emails, online chats, and browsing histories of millions of people

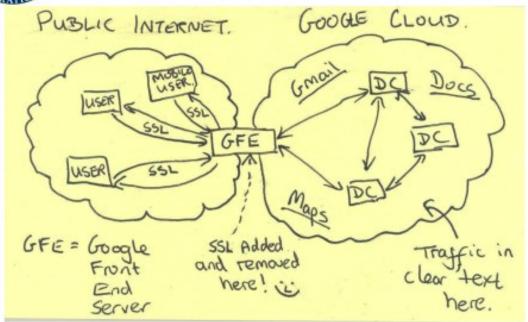


X-Keyscore: So much data is stored by the NSA that it cannot be maintained on a consistent basis. Important information is flagged and saved to other services where it can be stored for years

TOP SECRET//SI//NOFORN



Current Efforts - Google



TOP SECRET//SI//NOFORN

MUSCULAR: Reads information sent among datacenters owned by Google and Yahoo

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3rd Party Doctrine: Alice has no expectation of privacy when she sends her communication to Bob through a 3rd party



Foreign Intelligence Surveillance Court: Gave the NSA its charter and rules on the legality of its actions



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Regulation of Investigatory Powers Act (Ripa): Allows British government to view communications of British citizens so long as one end of the communication takes place abroad

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Foreign Spying Agencies



GCHQ: British equivalent of NSA. Manages Tempora, a sister program of X-Keyscore

Foreign Spying Agencies



European Intelligence Agencies: Germany - BND, France - DGSE, Spain - CNI, Sweden - Saepo

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United Nations: Condemns spying on international organizations and the UK's threatening of the free press



American tech companies are projected to lose \$35 billion to \$180 billion in revenue over the next few years from lost business with foreign clients



American tech companies want to reveal more about how much information they give the federal government but the Department of Justice does not allow this



Congress has yet to make a significant change to the legislation that governs the NSA



Thank you for listening. What do you think?

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