



SystemX

Accélérateur de la Transformation Numérique

La recherche en ingénierie numérique de systèmes complexes

Some considerations about privacy

Global Forum 2015 – Monday 28th September 2015



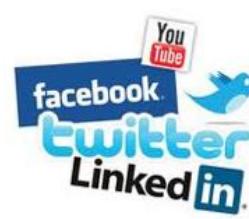
Social Media Landscape



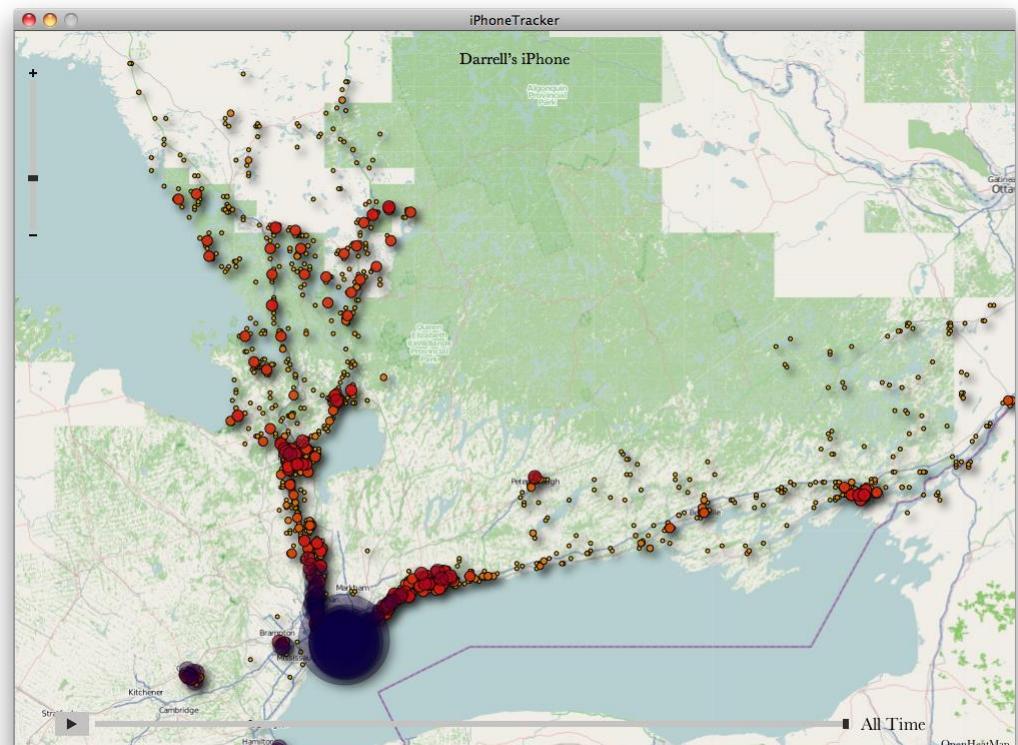
A word cloud centered around the term "Social Media". The words are in various colors (blue, green, yellow, red) and sizes, representing their frequency or importance. Other visible words include "examples", "Twitter", "Facebook", "RSS", "content", "participants", "Video", "time", "share", "tools", "blog", "Web", "help", "use", "people", "many", "strategic", "Communications", "new", "work", "might", "information", "questions", "too", "find", and "use".



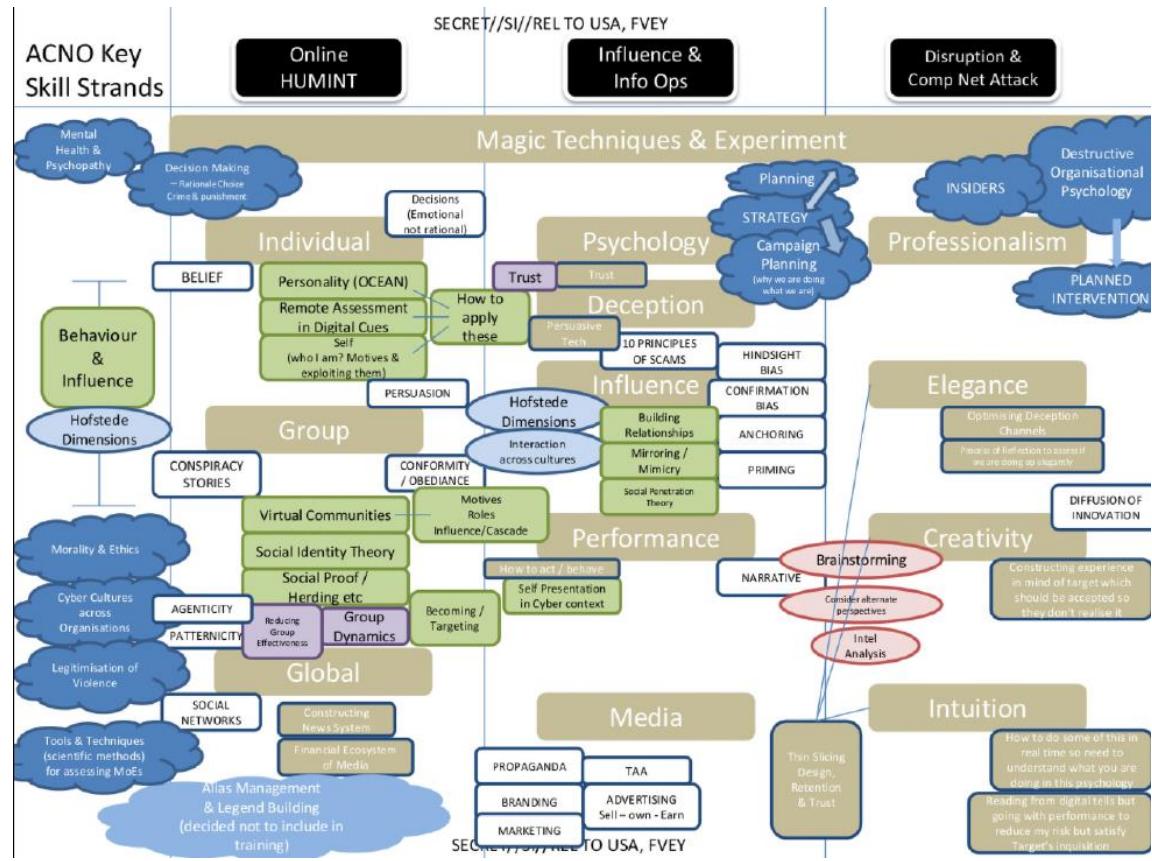
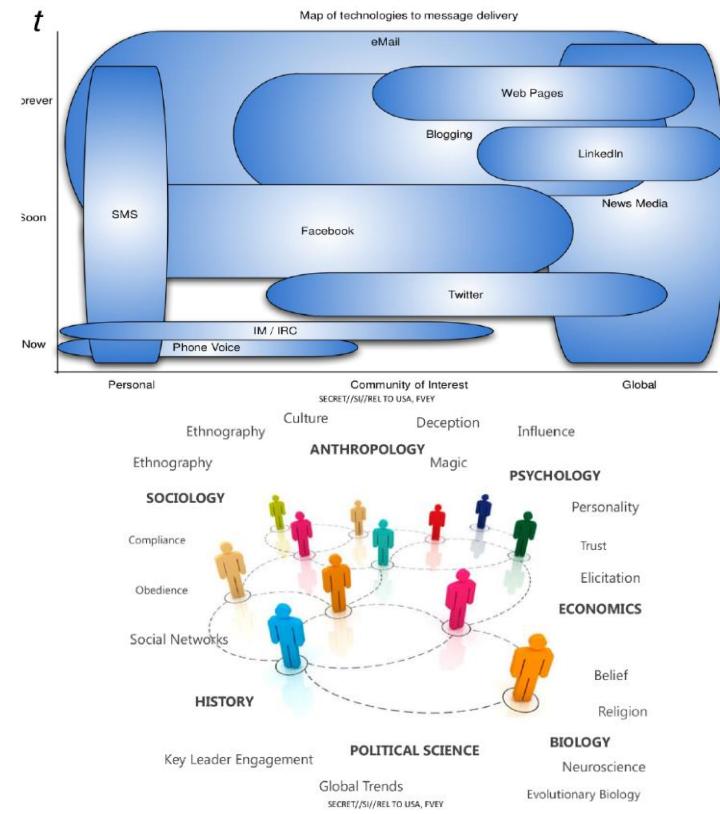
A collage of various social media and technology logos, including PostZinger, Facebook, RSSreedy, YouTube, clearspring, blip.tv, sprout, viddler, Digg, delicio.us, blogtalkradio, tubemogul, Google, AOL video, myspace.com, flickr, StumbleUpon, Howcast, Big Boards, MyBlogLog, LinkedIn, Technorati, and FriendFeed.



The word cloud is centered around the word 'geolocation' in large, bold, orange-red letters. Other prominent words include 'parameters' (yellow), 'proxies' (light blue), 'retrieving' (red), 'measured' (blue), 'assessed' (green), 'frequency' (light green), 'distinguished' (purple), 'latitude' (orange), 'longitude' (yellow), 'targeting' (light blue), 'utilise' (orange), 'refer' (light blue), 'radar' (orange), 'instrument' (light blue), 'archival' (orange), 'data' (light blue), 'number' (orange), 'sunlight' (yellow), 'specificity' (light blue), 'positioning' (orange), 'tags' (light blue), 'service' (orange), 'contexts' (yellow), 'depth' (light blue), 'meaningful' (orange), 'contrast' (yellow), 'displays' (orange), 'zip' (light blue), 'identification' (orange), 'code' (light blue), 'brightness' (orange), 'geographic' (light blue), 'terminal' (orange), 'mapping' (light blue), 'tracked' (orange), 'system' (light blue), 'location' (orange), 'bearing' (light blue), 'assessing' (orange), 'computer' (light blue), 'transmitter' (orange), 'software' (light blue), 'analytics' (orange), and 'invoice' (light blue).



NSA SYNAPSE PROGRAM : a digital identity



EFFECTS: Definition



- “Using online techniques to make something happen in the real or **cyber world**”
- Two broad categories:
 - Information Ops (influence or disruption)
 - Technical disruption
- Known in GCHQ as **Online Covert Action**
- The 4 D's: **Deny / Disrupt / Degrade / Deceive**

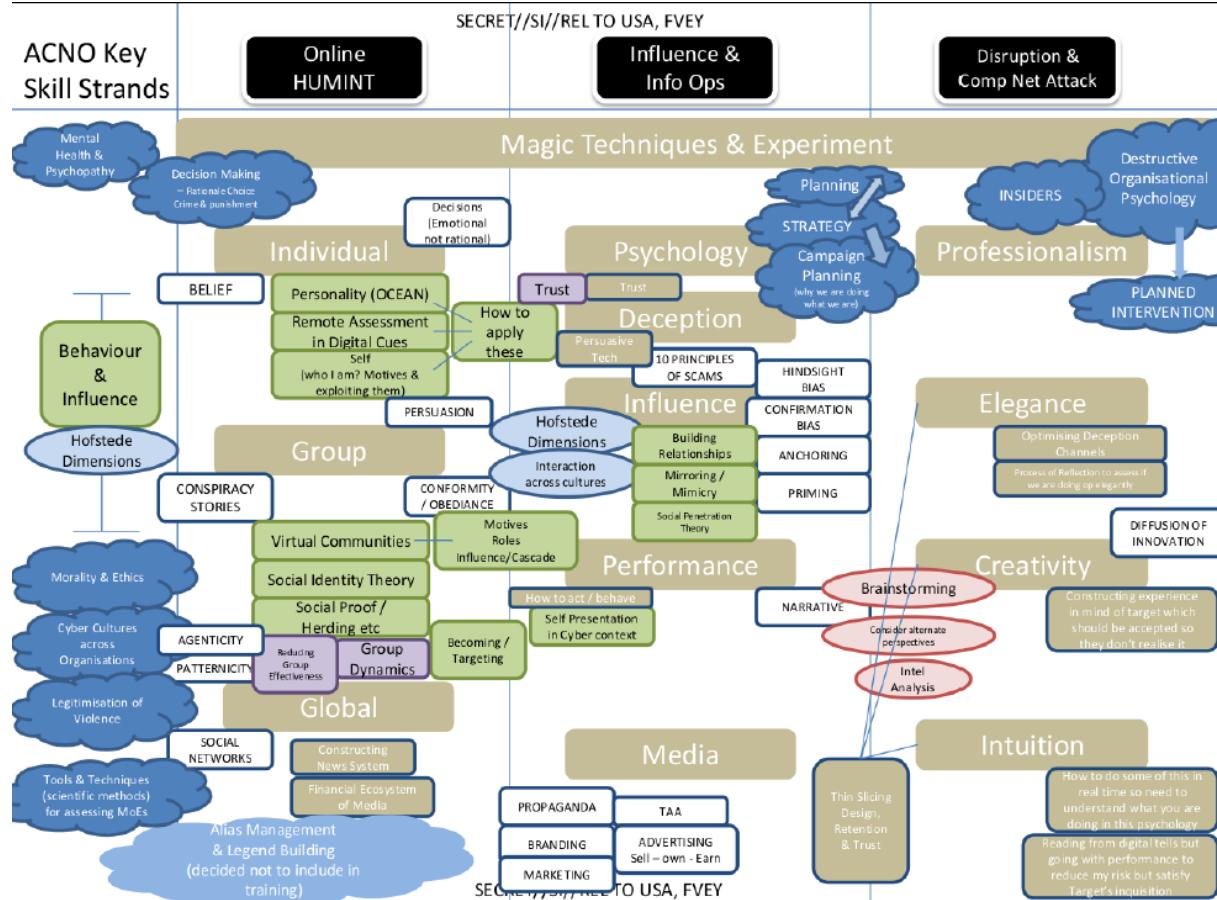
TOP SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL

The ART of DECEPTION

TRAINING FOR A NEW GENERATION OF ONLINE COVERT OPERATIONS



SECRET//SI//REL TO USA, FVEY



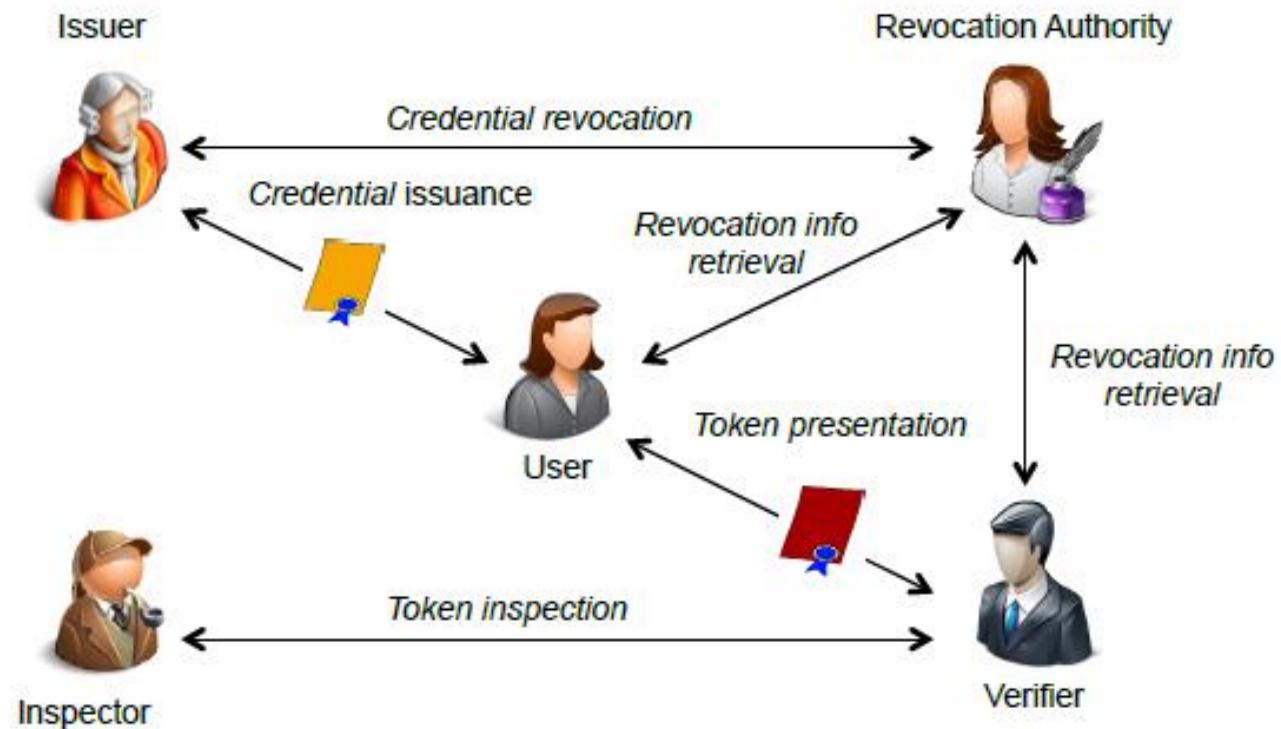
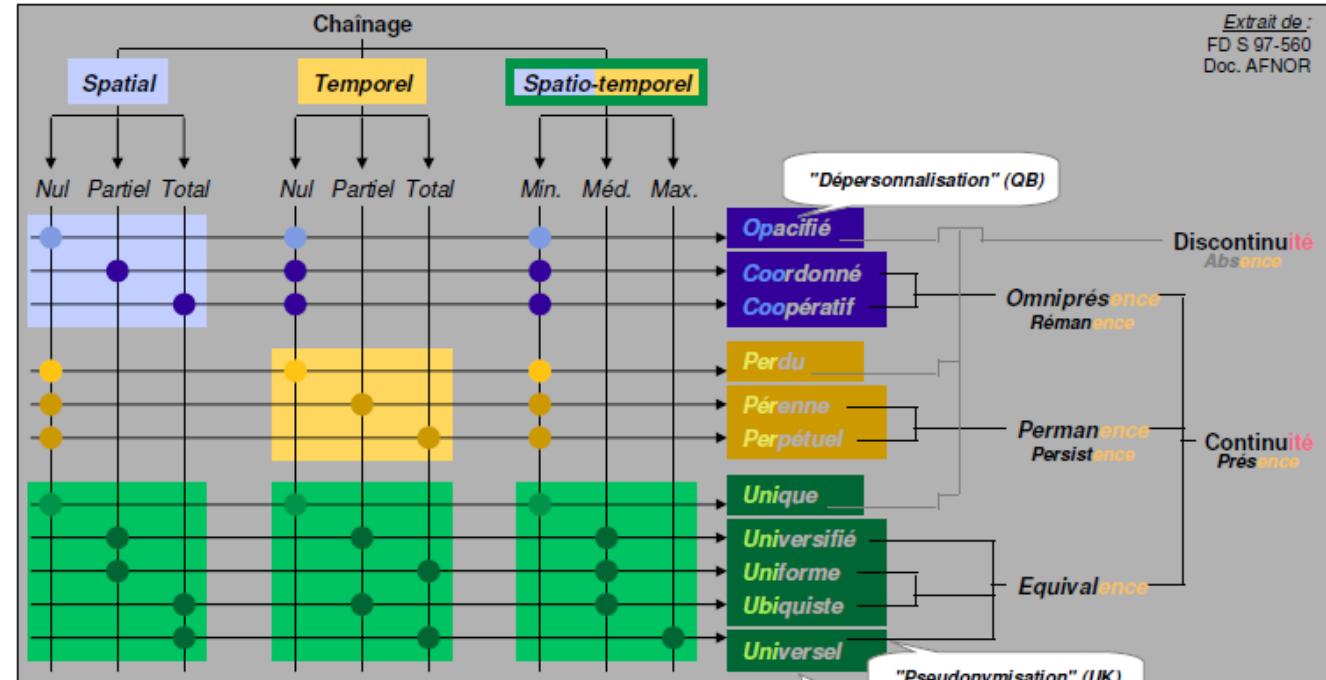
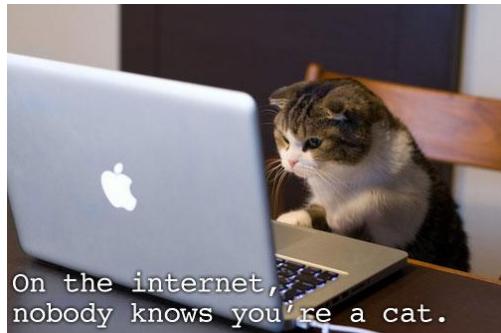
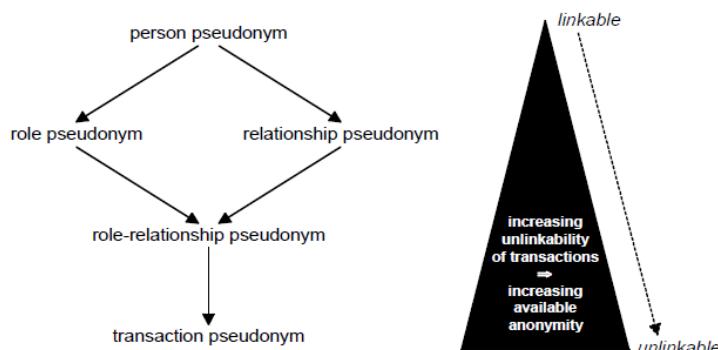
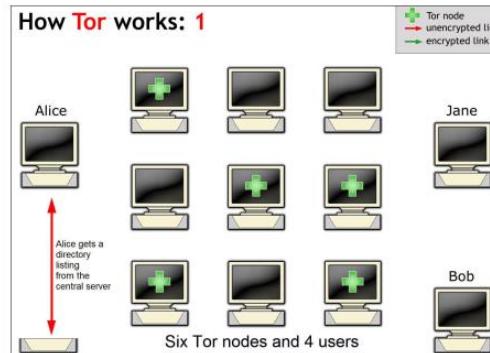


Figure 2-1: ABC4Trust Entities and their main interactions

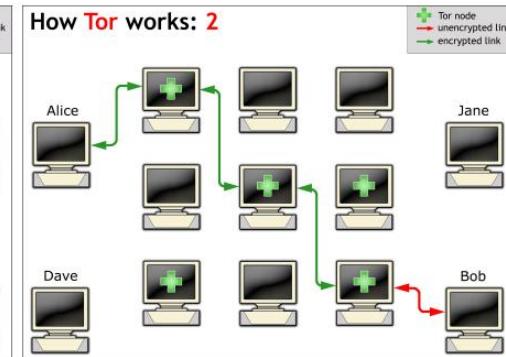




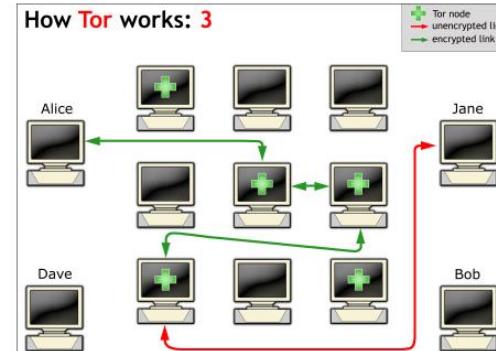
Connection set up



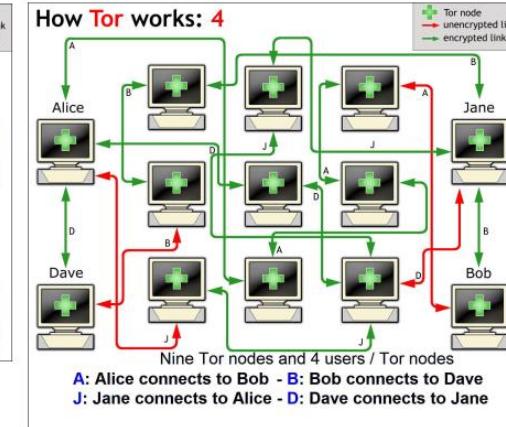
Connection



Connection Timeout - entry node change

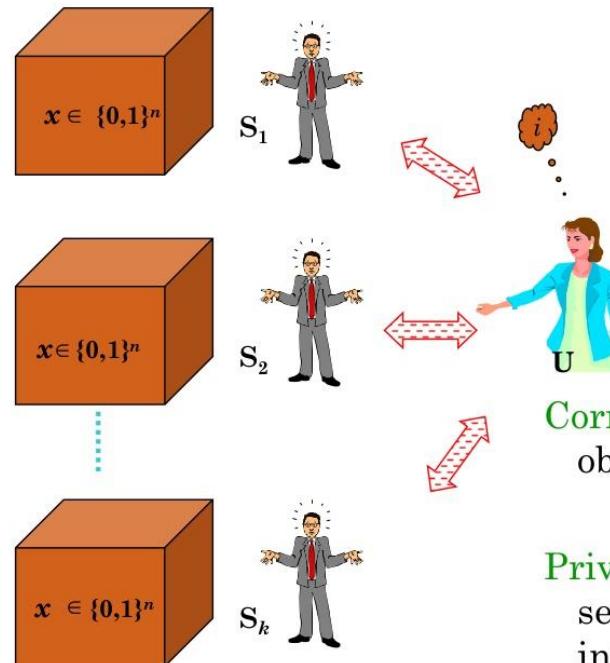


A real scenario - multi purpose node





K-SERVER PIR



Correctness: User obtains x_i

Privacy: No single server gets information about i



Merci de votre attention

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