IXmaps.ca
Mapping internet routing and surveillance from a user privacy point of view

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Network topology and geography panel
Technical Plenary, IETF90
Toronto, Canada, July 21, 2014
IXmaps – Internet Exchange mapping

- Crowdsourced traceroute generation & collection
  > 30,000 TRs > 250 contributors/origins > 2,500 URLs

- Systematic geo-location of (core) routers

- Map traceroute paths via GoogleMaps/Earth
  – NSA surveillance splitter sites, carrier transparency + …

- Custom filtering of traceroutes
  – NSA interception, ‘boomerang routing,’ ISP, city, ….
Notable results/implications

US NSA interception
- Comprehensive Continental US coverage
- Shows where your packets get ‘split’ by the NSA

Canadian Boomerang routings
- ~25% Canadian traffic?
- High risk of NSA interception, depending on carriers involved

Reveals carriers/ISPs,
comparative privacy transparency assessments
- Part of wider transparency and accountability initiatives
Current development

With support of CIRA grant - see RFP

- Re-build TR generation
- Re-build geo-location

With further support?

- Internationalization
- Sustainability/FLOSS migration
See where your packets go! (and contribute to the database)

Note: RFP for re-building traceroute generation and geo-location modules

http://IXmaps.ca

Work supported by the Social Sciences and Humanities Research Council (SSHRC) and Office of the Privacy Commissioner (OPC)