SSO Collection Optimization

Core SSO Team:

TOP SECRET//SI//NOFORN
Fingerprint Sessions Blocked by TUDDS 4/5 - 8/12

- defeat/atrouter/yahoo/webMessenger/status
- defeat/atrouter/yahoo/webMessenger/request
- defeat/atrouter/yahoo/insider/client_ad_get
- defeat/atrouter/web/yahoo/webbug
- defeat/atrouter/smtp_toserver
- defeat/atrouter/smtp_fromserver
- defeat/atrouter/mail/pop/short_client_to_server
- defeat/atrouter/mail/pop/bodyless_email
- defeat/atrouter/mail/imap/bodyless_email

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Current Efforts - Google

- Defeat Fingerprints
  - defeat/dev/google/adwords
  - defeat/dev/google/bigtable
  - defeat/dev/google/blogger_js
  - defeat/dev/google/teragoogle
Serendipity –
New Protocols

- Internal server-to-server authentication, based on hard selector
- Valid user agent string, not populated into Marina (yet!)
Serendipity – New Protocols

Google Protocols By Type

- Google Authorization, Security Question: 1622
- No content: 145
- iGoogle: 130
- chrome-sync: 109
- teragoogle-indexing: 93
- Youtube // Video Page: 80
- talkgadget: 396
- picasaweb: 420
- gaia // permission_whitelist: 340

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What Yahoo and Google did not think the NSA could see


Special Source Operations (p. 1)

SSO Collection Optimization

Core SSO Team:

Yahoo data formats (p. 2)

TUDDS Block

Fingerprint Sessions Blocked by TUDDS 4/5 - 8/12
What is NSA blocking with these "defeats"? (p. 4)

Current Efforts - Google

- Defeat Fingerprints
  
defeat/dev/google/adwords
defeat/dev/google/bigtable
defeat/dev/google/blogger.js
defeat/dev/google/teragoogle

Inside Google’s network (p. 5)

Serendipity – New Protocols

- Internal server-to-server authentication, based on hard selector
- Valid user agent string, not populated into Marina (yet!)
Google’s internal traffic (p.6)