Outline

- VAST performance
- VAST system
- Our proposal
- chaining with encryption
- client-side utilites, third party proxy servers, P3P

current solutions –

privacy risks

ECOM03
International Interdisciplinary Conference on Electronic Commerce

Zygmunt Zyczynski
Institute of Telecommunications, Warsaw University of Technology

Web Privacy: an Essential Part of Electronic Commerce
Web Server Originated Risks

Classification of Privacy Risks (2/2)

Three Groups of Privacy Risks

1. Internal Risks
   - Internet service providers, LAN administrators,
   - Employees, other third parties

2. Communication Link
   - Communication link between the http client and the server

3. Sampling
   - Server, http client, internet
Technology
Telecommunication, Warsaw University of
Original system developed at Institute of
Versatile Anonymous System for Web Users

Vast System Overview

Technique
Adaptation of Chainimg with Encryption
Protocol for Privacy Preferences Protocol
New Protocol

Announcer, Magnsurt Proxy, Rewebder, Sunole, SafeWeb
Third Party Proxy Servers

Tor joins these decoders
Personal Firewall, System cleaners, cookie manager, banner ad blockers

Current Solutions
VAST system scheme

VAST system scheme

VAST system scheme

VAST system scheme

VAST system scheme

VAST system scheme

VAST system scheme
References

Specific dummy traffic generation technique may be in some cases viewed as its weakness.

VAST overcomes weaknesses of existing systems today's popular tools are not perfect.