

Introducing MorphMix: peer-to-peer based anonymous Internet usage with collusion detection

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From Chaum to Tor and Beyond: A Survey of Anonymous Routing Systems

PC Johnson, A Kapadia - 2007 - pdfs.semanticscholar.org

The freedoms of speech and of assembly are generally considered bastions of civil liberty. The Internet poses a particularly prickly proposition for both those who wish to communicate and assemble, and those who seek to suppress such activities. On the one hand, the ...

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Byzantine Attacks on Anonymity Systems

PM Tabriz - 2007 - asirap.net

Anonymous communications systems are analyzed against a range of attacker models to measure the level of privacy they provide users. In this thesis, we survey prior models and define our own attacker, a participating Byzantine adversary, which among other malicious ...

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Towards an analysis of WonGoo performance

D Wei, T Lu, B Fang, Y Sun, X Cheng - *International Journal of ...*, 2007 - emerald.com

Purpose—As a peer-to-peer scalable anonymous communication system, WonGoo is a tradeoff between anonymity and efficiency. Usually, the longer the path, the stronger the anonymity, but at the same time the heavier the overhead. WonGoo lengthens the anonymity ...

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GAS: overloading a file sharing network as an anonymizing system

E Athanasopoulos, M Roussopoulos... - ... *Workshop on Security, 2007* - Springer

Anonymity is considered as a valuable property as far as everyday transactions in the Internet are concerned. Users care about their privacy and they seek for new ways to keep secret as much as of their personal information from third parties. Anonymizing systems exist ...

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Evaluating the Effectiveness of Anonymity Communication Systems Against Malicious Insiders

GY Liao - *2007 International Conference on Machine Learning ...*, 2007 - ieeexplore.ieee.org

The traffic analysis problem is one in which the communication partners of Internet users are learned by unrelated parties. Few works have been devoted to evaluating the effectiveness of the proposed anonymity designs. This paper proposes a unique adversary model to ...

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Byzantine attacks on anonymity systems

N Borisov, G Danezis, P Tabriz - *Digital Privacy: Theory ...*, 2007 - books.google.com

In the study of anonymous systems, research into new designs for anonymity has been balanced by analysis of attack strategies for violating anonymity. Such strategies shed light on how well systems will defend users' privacy and suggest new directions for research and ...

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Anonymity, Privacy and Hidden Services: Improving censorship-resistant publishing

L Øverlier - 2007 - duo.uio.no

The request for on-line privacy is rapidly increasing. More and more Internet users realize that information about their on-line activities is highly valuable information for commercial companies and open for potential abuse. Information about who communicates with whom ...

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FlowerPot: an anonymous BitTorrent client

JS Cohen - 2007 - dspace.mit.edu

This thesis presents and analyzes FlowerPot, an anonymous client for the BitTorrent file-sharing system. FlowerPot is peer-to-peer, providing scalability and making it difficult to attack with techniques like denial-of-service. It provides anonymity to users by routing traffic ...

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IP-FP6-015964

KU Leuven - [Citeseer](#)

In this section, we use the concept of an identity domain, which uniquely defines the context in which a set of user identifiers is used. The context may include validity time, location, application, or other parameters. A secure identity domain should provide a Sybil-free ...

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On Combating Adverse Selection in Anonymity Networks

J Clark - 2007 - users.encs.concordia.ca

Anonymity networks allow users to hide their Internet Protocol (IP) address while performing actions online; a service that enhances internet privacy but also allows unlawful actions to be committed anonymously. This thesis proposes methods for combating adverse selection ...

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