

# Assessing Usability of Tor Browser

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TODO: write the paper for PETS currently, it is the same as the class paper..

## ABSTRACT

Abstract here.

## Keywords

Privacy, Security, User Studies, Anonymity, Tor

## 1. WHAT WE ALREADY DID/BACKGROUND STUFF

Text here.

## 2. DESIGN

In this section, we outline previous research regarding how users understand and act on the Internet, communicating relevant risks to users, and usability of Tor Browser

## 3. WHAT WE WANT FEEDBACK ON

## 4. REFERENCES

- [1] A. Acquisti. Privacy in electronic commerce and the economics of immediate gratification. In *Proceedings of the 5th ACM conference on Electronic commerce*, pages 21–29. ACM, 2004.
- [2] D. Akhawe and A. P. Felt. Alice in warningland: A large-scale field study of browser security warning effectiveness. In *Usenix Security*, pages 257–272, 2013.
- [3] J. Clark, P. C. Van Oorschot, and C. Adams. Usability of anonymous web browsing: an examination of tor interfaces and deployability. In *Proceedings of the 3rd symposium on Usable privacy and security*, pages 41–51. ACM, 2007.
- [4] L. F. Cranor and S. Garfinkel. *Security and usability: designing secure systems that people can use.* O’Reilly Media, Inc., 2005.
- [5] R. Dingledine and N. Mathewson. Anonymity loves company: Usability and the network effect. In *WEIS*, 2006.
- [6] R. Dingledine, N. Mathewson, and P. Syverson. Tor: The second-generation onion router. Technical report, DTIC Document, 2004.
- [7] S. Egelman, L. F. Cranor, and J. Hong. You’ve been warned: an empirical study of the effectiveness of web browser phishing warnings. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, pages 1065–1074. ACM, 2008.
- [8] B. Fabian, F. Goertz, S. Kunz, S. Müller, and M. Nitzsche. Privately waiting—a usability analysis of the tor anonymity network. In *Sustainable e-Business Management*, pages 63–75. Springer, 2010.
- [9] C. Jensen, C. Potts, and C. Jensen. Privacy practices of internet users: Self-reports versus observed behavior. *International Journal of Human-Computer Studies*, 63(1):203–227, 2005.
- [10] S. Le Blond, P. Manils, C. Abdelberi, M. A. D. Kaafar, C. Castelluccia, A. Legout, and W. Dabbous. One bad apple spoils the bunch: exploiting p2p applications to trace and profile tor users. *arXiv preprint arXiv:1103.1518*, 2011.
- [11] P. A. Norberg, D. R. Horne, and D. A. Horne. The privacy paradox: Personal information disclosure intentions versus behaviors. *Journal of Consumer Affairs*, 41(1):100–126, 2007.
- [12] G. Norcie, K. Caine, and L. J. Camp. Eliminating stop-points in the installation and use of anonymity systems: A usability evaluation of the tor browser bundle. In *5th Workshop on Hot Topics in Privacy Enhancing Technologies (HotPETS)*. Citeseer, 2012.
- [13] The Tor Project. “uxsprint2015” tickets, Mar. 2015.
- [14] I. The Tor Project. Who uses tor?, 2015.
- [15] Wikipedia. Golden shield project, 2015.
- [16] Wikipedia. Restrictions on the import of cryptography, 2015.
- [17] Wikipedia. Tor (anonymity network), 2015.