Title:
Cookie Cadger: An Auditing Tool for Wi-Fi or Wired Ethernet Connections

Abstract:
In 2010, security researcher Eric Butler introduced Firesheep, a Firefox extension for performing session sidejacking attacks over open Wi-Fi networks. Firesheep specifically targeted major websites, including Facebook, Twitter, and Amazon – all of which used SSL/TLS for authentication, but then immediately dropped down to unencrypted HTTP for the duration of the user's session. However, Firesheep was merely a proof-of-concept, not a network auditing utility.

This project, Cookie Cadger, was created as the spiritual successor to Firesheep. Cookie Cadger takes the concepts that Firesheep was built upon and extends them significantly, allowing for robust auditing of authenticated HTTP requests sent over unencrypted channels. The application harnesses the power of the Wireshark suite and Java to deliver a cross-platform, open-source auditing platform for monitoring wired Ethernet or unencrypted 802.11 (Wi-Fi) connections transmitting session data via HTTP.