

DFSC1316: Digital Forensic and Information Assurance I

Lab 2 (Due 10/13/2017 23:59:99)

Rules:

1. All your answers will be typed unless otherwise being advised.
 2. Submit your assignment in PDF version (Office word can be directly saved as PDF, or you can use virtual PDF printer to 'print' it as pdf).
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Web Browser History Forensics

In the class, we have seen that web browsing activity can leave many traces at many different places in the computer. On the other hand, most major web browsers begin to provide a "private browsing mode" (such as the "incognito window" provided by Chrome, the name can be different for different browsers), which leaves less or none traces, in order to protect user's privacy.

In this lab, you will conduct investigation based on one of the 4 major explorers at your choice, which are Internet Explorer, Chrome, Firefox, and Safari.

Write a report to finish the following tasks:

1. In the "normal mode" of the browser you chose, find at least 2 evidences (e.g., cookie files) that reveals the browsing history of the user. There are lots of such information online, and you can also use automated tools such as the one you can find in <http://www.nirsoft.net/>.
2. Do the same activity under the "private browsing mode". Check if the same evidences are still generated under the following conditions.
 - a. During the activity, e.g., when the website is still displayed in the private browser;
 - b. After the activity is terminated, e.g., after the private browser is closed.
 - c. After the computer is restarted.

In your report, you will specify what browser you've used, what you did with the browser (e.g., what website you have visited), and what is the result (e.g., the visiting generated which file under which path). Attach screenshots to explain your conclusions.