CYBER SECURITY 2021

**P4: Web pages are tracking you**

# **Preparation:**

Installed the Lightbeam 3.0 addon in Firefox browser.

Graphical user interface, application

Description automatically generated

Figure 1. Use lightbeam for the first time

Interestingly, I visited several sites from my browser and got only 7 third party sites.

It seems like my Norton safe web and Privacy badge have blocked most of the trackers. I should try again in Virtual machine.

Graphical user interface

Description automatically generated with low confidence

Figure 2. Lightbeam in Virtual machine

Okay, it works now :D

# **Do it! (Browser fingerprint)**

From <https://browserleaks.com>:

Seems that the information can be hounded from me vary from my IP, my real location, my in-use systems, my habits in using Internet, etc.

This web pages provides many tools that help checking the above information, whether it is possible to or not. For example:

Graphical user interface, text, application, email

Description automatically generated

Figure . Using JavaScript to get information

From <https://amiunique.org>:

This website leaves a cookie to track me through the browser, test if I am unique or not.

A screenshot of a computer

Description automatically generated with low confidence

Figure . Am I unique?

Hi there, back to the lightbeam after tamperting with the first site:

A picture containing text

Description automatically generated

Figure . Nice tracking

From <https://panopticlick.eff.org> or <https://coveryourtracks.eff.org> and http://uniquemachine.org:

Nearly the same as the previous one, this site can check if I am unique or not. (still can gather lots of information about my device)

The site <http://browserspy.dk> also provide information about what and how can be tracked from me.

The last one <http://webkay.robinlinus.com> also provides examples of what can any website get about me **without any permission.**