

## **Global freedom or not?**

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We all live in the freedom of speech era. Everybody is independent, free and has equal rights. Whether all of this is so great? Maybe global picture of happiness does hide anything from the eyes of society?

Why did men like Julian Assange and Edward Snowden come into sight? They began to say unappreciated things about global shadowing and that there is no freedom.

Such statements could have been found only in fiction before they told us the truth. For example, they had been in dystopias «1984» by Orwell<sup>[1]</sup> and «Brave new world» by Huxley<sup>[2]</sup>. However, do such things really happen?

That's not only the freedom of speech era now, but the information as well. Information was always important for people, and it is one of the most valuable resources of humanity nowadays. It has been made possible by internet.

Internet is a foundation stone of our civilization. Internet removed the borders of the world. It is the whole world of information.

On the other hand the creation of Internet made possible to begin a total surveillance of people. It became easier. It's enough to have a computer and required program to spy on thousands people at the same time.

Internet is not perfect like everything has been made by hands of a man. Therefore there are errors that can be exploited.

The war has started, in which one part of people is trying to get someone else's information, and other part is trying to protect their information.

There are state and hackers, and large and small crooks among those who want to steal information.

The internet is young and rapidly developing field of human activity. Tools of protection from unauthorized information leakage appeared after the emergence of such threats.

Tor<sup>[3]</sup> is one of the most popular tools for anonymization. Tor works in a way that allows users to establish a connection that is then upheld through its own network. The Tor network comprises up to 6,000 servers, mostly run by volunteers, which computer scientists refer to as "nodes". And since every node only receives the minimal amount of data necessary to relay the information in question, it becomes far more difficult to de-anonymize both the transmitter and the recipient of the data.

A virtual private network (VPN<sup>[4]</sup>) extends a private network across a public network, such as the Internet. It enables a computer or network-enabled device to send and receive data across shared or public networks as if it were directly connected to the private network, while benefiting from the functionality, security and management policies of the public network.

Unfortunately there is no ideal tool for people anonymization in the internet and securing information.

In order to the internet has become really free, it is necessary that time has passed and views of the world has changed.

#### References:

1. «1984», G.Orwell, Signet Classic, 1961, 267 pages.
2. «Brave new world», A.Huxley, Harper Perennial Modern Classics, 2006, 288 pages.
3. «Tor: Overview», article, <https://www.torproject.org/about/overview.html.en>
4. «Virtual private network», Wikipedia article, [http://en.wikipedia.org/wiki/Virtual\\_private\\_network](http://en.wikipedia.org/wiki/Virtual_private_network)