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Security Measures Against Hackers

The twenty-first century covered us with an invisible net. Almost all of us have smartphones, computers, even glasses and watches with Internet access. On one hand it is very comfortable because we can buy, talk, play without leaving home or while waiting for a bus, but on the other hand such people as hackers can rob you or take under control your device for their own purposes via the Internet.

In most cases getting valuable information is the main target for majority of computer hackers. This information can be of different type ranging from financial reports or business strategies to digitized client database. It can be corporate espionage to blatant theft and political insubordination. Hackers can steal names, addresses, emails and any information to be sold or used for different purposes. Such loss of information may cost a competitive edge or the complete loss of a client base resulting in ruining the organization. On the contrary, a company participating in computer hacking can get profit due to obtained information as it gives the possibility to get access to a new client base. Hacked and stolen personal or political information can serve as leverage in business or political scandals.

Actually hackers are divided into three categories: “white hats”, “black hats” and “grey hats”. “White hat” is a computer security expert, who looks for vulnerabilities of systems and then fixes them or report about them. “Black hat” is a criminal who breaks into systems and steals, modifies or destroys data for their own profit. The biggest part of hackers belongs to “black hats”, because it is easier to ruin something than to create. “Grey hat” is a computer specialist, who turns into “black hat” or “white hat” when it is necessary. Hackers are often united into groups. The most famous are: Anonymous (the hacking group, which prepared DDos attacks to web-sites of governments of many countries and Lizard Squad (the hacking group famous because of attacking such services as Xbox live, PSN, Instagram, and Facebook etc.)

The main question is how we, ordinary users, can protect ourselves from hackers. Firstly, choose difficult passwords on accounts, not “12345678”, “qwerty” or “password” etc. It must be passwords with difficult combination of letters and numbers, which only you know. Otherwise, it could be hacked easily. Secondly, set up antivirus and never turn it off. Thirdly, never download files from suspicious sources. You can download malware. Once, you will be able to protect your gadget using these simple advises. As for business structures, it is highly recommended to apply modern and sophisticated security systems. They must have an administrator of security staff, a model of information threats and emergency plan to protect system from unauthorized access. However, these preventive measures can cost a lot of money which companies either haven’t or don’t want to allocate.