

The capabilities of protective software such as Antivirus, Firewall, Anti-Malware and Anti-Spyware are increasing day by day in terms of detection and termination of the malwares. Therefore, the use of physical hack tools in cyber-attacks is becoming increasingly common due to their low costs and being readily available. In this study, the main hardware tools used by the cyber attackers to exploit the systems, analyzed deeply. The hardware specifications of these tools, the targeted systems and the types of the attacks are also investigated. Besides, an attack scenario is designed, in which programmable USB devices, commonly used by the hackers, are implemented on the virtual computers. Therefore, an attack attempt which in used programmable USB device, is investigated. The proposed study presents the security measures to be taken against programmable USB device and other hardware security tools.