

عنوان مقاله:

Increasing Electronic Commerce Security by using an Advanced Method for Botnets Detection

محل انتشار:

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خلاصه مقاله:

Nowadays, we see continuous changes in business conditions and methods and experience new innovations. In recent years, due to rapid growth of Information and Communication Technologies and especially expansion of the Internet, pace of the changes has increased. One of these changes is Electronic Commerce. Generally, two main sections of E-commerce are commerce activity and electronic systems. Commerce activity means the buying and selling of products or services that affects the business prospects of an economy or a nation-state and has been studied in the various sources. Electronic systems are the Internet and other computer networks that involve electrical components such as transistors, integrated circuits and etc. Infrastructure and security are two main problems of the electronic systems. The biggest security threat that hazards electronic commerce, is malwares. Among the various forms of malware, botnets are becoming the major threats on the Internet that used for many attacks, such as banking information theft, distributed denial-of-service, and identity theft. Several mechanisms have been proposed for botnet detection that one of these mechanisms uses NetFlow protocol. The main goal of this paper proposes an advanced approach for botnets detection using NetFlow protocol to increase security and trust of electronic commerce.

کلمات کلیدی:

Electronic Commerce, Network Security, Botnet Detection, NetFlow Protocol, Zeus

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