Abstract

DDOS attacks have increased lately to an extent where large companies have lost millions. They pose a large threat to internet security. This paper explains DOS and DDOS attacks and their types as well as two computer softwares – LOIC and DDOSIM - to launch DDOS attacks and the history of the well-known botnets and DDOS attacks. A solution for DDOS protection at application layer is also proposed. It explores the combination of various tools and techniques like ingress filtering, IP address blacklist checker and dividing the server as a measure to limit the attacks.

References

8. PluralsightIT. “Ethical hacking – Types of DOS attacks.” Internet: https://www.youtube.com/watch?v=7VMvo0-qLI0, 15 may 2012.

**Index Terms**

Computer Science Security

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**Keywords**

DOS, DDOS, ingress filtering, dividing, IP blacklist, LOIC, DDOSIM, botnet.