

Detection of DDoS Attack

Prof. B. V. Jadhav¹, Mansi Mahamuni², Pranjal Kankal³, Akshata Ghodke⁴, Vrushali Chavan⁵

Professor, Department Computer Engineering¹

Student, Department Computer Engineering^{2,3,4,5}

Pimpri Chinchwad Polytechnic College, Nigdi, Pune, Maharashtra, India

Abstract: *DOS Attacks or Denial Of Services Attack have become very common amongst Hackers who use them as a path to get fame and respect in the underground groups of the Internet. Denial of Service Attacks basically means denying valid Internet and Network users from using the services of the target network or server. It basically means, launching an attack, which will temporarily make the services, offered by the Network unusable to legitimate users. DOS attack use to stop legitimate user from accessing computer or web services. In others words one can describe a DOS attack, saying that a DOS attack is one in which you clog up so much memory on the target system that it cannot serve legitimate users. Or you send the target system data packets, which cannot be handled by it and thus causes it to either crash, reboot or more commonly deny services to legitimate users. We are making a software that is online DOS attack prevention which will protect the web servers.*

Keywords: Denial of services attack, network unusable

REFERENCES

- [1]. David K. Y. Yau, Member, IEEE and John C. S. Lui, Feng Liang, and Yeung Yam, (2005) 'Defending Against Distributed Denial-of-Service Attacks With Max-Min Fair Server-Centric Router Throttles', IEEE/ACM TRANSACTIONS ON NETWORKING, VOL. 13, NO. 1, Pages 29-42.
- [2]. John Ioannidis and Steven M. Bellovin, 'Implementing Pushback: Router-Based Defense Against DDoS Attacks', AT&T Labs Research, ji@research.att.com, smb@research.att.com.
- [3]. Michael K. Reiter and XiaoFeng Wang, (2004), 'Mitigating Bandwidth-Exhaustion Attacks using Congestion Puzzles', CCS'04, October 25-29, 2004, Washington, DC, USA., Copyright ACM 1- 58113-961-6/04/0010.
- [4]. Stefan Savage, David Wetherall, Anna Karlin and Tom Anderson, (2000), 'Practical Network Support for IP Traceback', ACM SIGCOMM Computer Communication Review, Volume 30, Issue 4, Pages 295-306.
- [5]. Tao Peng, Christopher Leckie, and KotagiriRamamohanarao, (2007), 'Survey of Network-Based Defense Mechanisms Countering the DoS and DDoS Problems', Department of Computer Science and Software Engineering, The University of Melbourne, Australia, ACM Comput. Surv., Volume 39, Issue 1, Article no.3.