

Evolution of botnet attacks, it uses and latest trends

Samanvay Gupta*

Dept. of Computer Science & Engineering, Visvesaraya College of Engg. & Tech., Hyderabad, AP

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Abstract: *A botnet is a network of compromised computers, termed bots that are used for malicious purposes. We have witnessed the involvement of such malicious infrastructures in politically motivated attacks more than once in recent years. Classical countermeasures are mostly reactive and conducted as part of incident response actions. This is often not sufficient. A Distributed Denial of Service (DDoS) attack is a coordinated attack on the availability of services of a given target system or network that is launched indirectly through many compromised computing systems. The target of the botnet attacks on the integrity and resources of users might be multifarious; including the teenagers evidencing their hacking skills to organized criminal syndicates, disabling the infrastructure and causing financial damage to organizations and governments. This paper consists of evolution of botnet attacks, life cycle, characteristics, creation, how it works, emerging trends, adversaries, tactics, techniques and procedures (2012) and uses.*