A Review of Techniques to Detect and Prevent Distributed Denial of Service (DDoS) Attack in Cloud Computing Environment

Abstract

Cloud computing has become one of the most demanding services over the internet. It has gained remarkable fame for past few years. But it is under the severe threats of internet security. One of the severe threats is Distributed Denial of Service (DDoS). DDoS occurs when a huge amount of packets are sent to a server from various computers. Botnet is one of the major causes that launch DDoS attack. Botnet is actually a network of bots or zombie computers that are under the control of attacker. Several techniques are available in the literature that provides solution to avoid DDoS attack. A survey on DDoS detection and prevention techniques and their comparative analysis have been done in this paper.
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**Index Terms**

Computer Science

Security

**Keywords**

DDoS, Botnet, CBF, Cloud Computing, TTL, DST.