

## **Topic: Recent Denial of Service (DoS) Attacks and it's Preventions:**

I would like to investigate on DoS (Denial of Service) Attack. Its main aim is to make the services unavailable to its intended user in the internet. Day by day these attacks are increasing. One of the examples will be sending an extraordinary amount of electronic mail to someone could fill the computer disk where mail resides. This means that people who use the computer with the full disk cannot receive any new email until the situation changes. While this is an older style of DoS attack, it is still popular today. The new version of DoS is Distributed DoS, attacking from multiple sources, now emerging as newsworthy, weakness of internet. I want to investigate how DoS attacks are done and what will be the precaution& solutions for them. I also try to present the recent DoS attacks and about DDoS in the internet.

### **Motivation behind the Topic:**

DoS attacks involve breaking into hundreds or thousands of machines all over the Internet. Then the attacker installs DoS software on them, allowing them to control all these burgled machines to launch coordinated attacks on victim sites. These attacks typically exhaust bandwidth, router processing capacity, or network stack resources, breaking network connectivity to the victims. More recently there are several other ways of DoS attacks on services or applications. So if we know the general procedures that attackers follow, we can take safety precautions to the DoS attacks and even after the attack we can know the solution to them. Also it is interesting to know the flaws in our internet in order to strengthen it.

### **Type of Presentation: Research Paper**

I would like to submit a survey paper. It is not possible for me to present all my ideas in 10 min. A 3-4 pages of research paper writing would be a better option for me. Also I can study and present different facets of the concepts deeply in the given time in the research paper, which is not possible in case of presentation.