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I plan to do my research project on prevention of denial of service attacks and prevention to distributed denial of service attacks. In doing this I am going to look at the methodologies that are used in denial of service attacks possibly including but not limited to strategies such as the following. Attacks that are made to consume a servers bandwidth, attacks to consume a systems resources, attacks to consume a systems service and attackers methodologies to avoid detection.

This topic is important in the field of computer networking because of the amount of damage that can be done by a single denial of service attack. When an attack is performed against a host it consumes a large amount of bandwidth and system resources that both can have considerable cost to them along with a loss of sales since a targeted web site would become unreachable for potential customers. This topic is also of considerable interest from a number of people since many businesses are looking for a way to protect their business and web sites that are hosted on the internet. In addition this is an interesting topic since it has remained a problem for a number of years how ever no great solutions have been implemented that would make a denial of service attack ineffective.

I intend to deliver this project as a paper for this course. The driving factor for my choice in writing a paper is that with the diversity in the types of denial of service attacks that exist let alone the number of proposed approaches to stopping them it will be extremely difficult to do this topic justice.