Research Question

How does the Denial of service attack (DoS) affect the performance of IoT Network?

Context

The denial of service attack is a common attack that is making the network components unavailable by an attacker so it affects the Internet of Things(IoT) network, and there is a need for measuring the amount of performance that is affected by the attack. It can be measured by calculating the throughput of the network.

Population

The population of this research is an IoT enabled network in an educational institution or an organization, so in the case of the above-mentioned population there will be many devices which are automated and can be operated by IoT networks.

Intervention

The intervention in this research is that security is compromised by the attacker by attacking the network and the method used for that is the measuring of the transmission time and reception time and hence calculating the throughput of the network which gives a parameter to measure the IoT network system.

Comparison

The comparison is done with the attacked network and the normal IoT network in the same organization so that the performance affected can be found out by comparing the data sets in some statistical comparing software such as SPSS or R studio.

Outcome

The outcome of this research is that the attack in the IoT networks inversely affects the performance of the entire network as compared to the normal network in that organization and it can be solved or reduced by implementing parallel network and by increasing the security measures.