

CONTRIBUTIONS:

Rahul:

1) Creating the network in mininet with Pox controller, 4 switches and 8 hosts and verifying the working of the network.

2) Read about Port Hopping based Dos Mitigation approach, Monitor based approach, Intrusion Detection System based approach and Entropy based approach and also worked on the idea of new approach.

Mohit :

1) Implementation of Dos attack using the hping3 tool and performed analysis using Wireshark

2) Read about DOS Mitigation using LINK BANDWIDTH prediction, DOS Mitigation using Sequence and counter based methods, DOS mitigation using Machine Learning approach, DOS mitigation based on Human Immune system and Mathematical Differential Equations Worked on the idea of new approach.

Prathap:

1) Implementation of the algorithm by coding in the Pox controller and testing the working of the new approach.

2) Read about Neural Network-based approaches for DOS mitigation, Studied port filtration, and packet inspection based approaches for dos attack detection, Studied about packet filtration and traffic distribution for mitigating DOS attack, Read about threshold-based methods for mitigating DOS attack. Worked on the idea of a new approach.