

## **118. IDENTIFICATION & AVOIDANCE OF DDOS ATTACK FOR SECURED DATA COMMUNICATION IN CLOUD**

MRS.JAYAPRIYA M.E S.SIVAKALAI M.E(CSE)

ASST PROFESSOR, MAILAM ENGINEERING COLLEGE

MAILAM ENGINEERING COLLEGE MAILID-sivakalaips@gmail.com

MAILID-priyajaya08@gmail.com

DDOS Attack in a Client Server Environment would Collapse the Entire System, but as far as Cloud is concern it is not that Effective but still it will try to Disturb the Regular Activity of the System. We Deploy Multiple Intrusion Prevention System (IPS) to Monitor the Activity of the Users and Filters the Request based on the behavior and forwards to the corresponding Servers through Cloud Server. Every Server would have allocated Certain Space in Cloud Server. IPS Monitors the Activity of the Users to Avoid DDOS Attacks. Few DDOS Attacks are Listed and Monitored. The Behaviour Patterns are 1. Continuous & same Request from Single User in a Point of Time, 2. Different Query from the Same User within a Period of Time, 3. Different Queries from Different Users but from Same IP, 4. Request of Huge Sized File beyond the Permitted. Based on these Patterns User Behaviour is Monitored DDOS Attack is Avoided in Cloud.

Index Terms—Cloud computing, DDoS attacks, mitigation, system modelling, resource investment

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