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### **RESEARCH ARTICLE**



# DATA SECURITY BASED ON LAN USING DISTRIBUTED FIREWALL

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*Abstract— Network security consists of the provisions and policies adopted by a network administrator to prevent and monitor unauthorized access, misuse, modification, or denial of a computer network and network-accessible resources. In most of the systems, the network security is achieved by firewall and acts as a filter for unauthorized traffic. But there are some problems with these traditional firewalls like they rely on the notation of restricted topology and controlled entry points to function. Restricting the network topology, difficulty in filtering of certain protocols, end-to-end encryption problem and few more problems lead to the evolution of Distributed Firewalls. It secures the network by protecting critical network endpoints, exactly where hackers want to penetrate. This paper is a survey paper, dealing with the general concepts such distributed firewalls, its requirements and implications and introduce, its suitability to common threats on the Internet, as well as give a short discussion on contemporary implementations. A distributed firewall gives complete security to the network.*

*Keywords— Network Security; Pull technique; Push technique; Policy; Distributed Firewall*

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