ABSTRACT

Cloud computing that exists today helps a lot because it is connected between each other user will be facilitated in accessing the services contained within the cloud computing without having to worry about by distance and time. But when a cloud computing service connected one with the other security-related problems emerging cloud computing which includes aspects of confidentiality, integrity and availability (CIA). When the aspect becomes an influential topic because when the system is cloud computing experience a leak of data or disruption of the server performance then it would interfere with client or user when wearing a cloud computing service. To overcome these problems then woke a third security system cope with these problems. The first security system a network authentication credentials using Kerberos will be linked with server cloud computing. Clients who want to access cloud computing services are required to use Kerberos applications to get into cloud computing. The next system which is an Intrusion Prevention System (IPS). A system that works by reading the packages sent to the cloud to read the attacks from the outside. On the results of testing either the Kerberos or IPS system works well. After doing a test in the form of an attack using ICMP DOS Flooding packets, then the IPS to block the results of the package and showing the log properly. Similarly with Kerberos can refuse or disconnect connections that are not from the Kerberos client's.
Keywords : Kerberos, IPS, network security, cloud computing.