

ABSTRACT

The current monitoring system is not enough to see only the protocols in network elements. At this time, it takes a monitoring for user experience. To get the monitoring, it needs duplication of traffic. Traffic duplication can be done with tap aggregator. However tap aggregator has a weakness that does not have its own monitoring.

To overcome the above problems, a monitoring system for the ip tap aggregator device is able to process traffic into a graph every five minutes and is able to send notifications when there is an awkwardness on the value of traffic. To realize tap aggregator monitoring, a snmp protocol is required to capture traffic before it is processed into graphs and notifications.

This final project produces a monitoring for tap aggregator that contains graphs of snmp traffic, integrated database server, and telegram notification that in testing functionality, and its implementation, the success rate of functionality in each activity and database is 100%. It can be concluded that applications and databases can function properly.

Keywords: SNMP, Tap Aggregator, Monitoring Performance, Configuration monitoring, OID, Bash, MySQL, Telegram.