ABSTRACT

Presently the latest internet technologies more emphasis on the concept of cloud computing. A service on the internet in the category of cloud computing if it is on demand. This means that users can subscribe and pay only needed to use it.

Cloud Computing is a computational model that uses computer technology by utilizing the processing power of multiple computers across a network is its ability to be tailored to the needs of the user without showing the infrastructure used to run cloud computing .

The system is built on the Final Project is using Proxmox operating system. Proxmox useful for cloud computing virtualization on the network. Tests were carried out was to determine the performance of a cloud computing server in which to run streaming video in instance and also performs analysis on QoS .

In the QoS measurement, the results are the quality of the delay with the value of 28,3491222 msis very good, the quality of the packet loss percentage 0,03077767% have very good quality, and the jitter with two scenarios have very good results from both scenarios with the value of 2,643 ms and 1,763 ms. In the performance measures servers and get the result, namely that the percentage of CPU usage on the CPU Core 2 less than 1 Core CPU and memory usage percentage in 512 MB memory more than 1024 MB of memory.

Keyword *: cloud computing, QoS, cpu usage, memory usage, proxmox*