

ABSTRACT

Holding a meeting has various limitations that is different places, times, or different schedules in each member. Therefore, video conference technology is used to be able to communicate directly between two members or more even though they are in different places. video conference can be run with software that is openmeetings. Openmeetings is the software that can be used as conference organizers that installed on the server. Generally, server is built using physical server which is not efficient of cost and time to increase the component. Efficient operational costs in server maintenance can be applied using cloud concept. Cloud is a Client-server model, which resources such as server, storage, network and software can be accessed by users anywhere and anytime. In build a cloud, we can use Openstack, Openstack is an open source software to build a cloud. The study by Video Conference testing that is run in the Cloud to determine the performance of Openstack in terms of "Quality of Service" (QoS) includes delay, packet loss, Jitter and Throughput. The result of study on the upload side, largest average value of throughput 639.85 kbps, delay 19.98 ms, Jitter 10.35 ms and packet loss 0.92%. On the download side, largest average value of throughput 1,856.55 kbps, delay 7.50 ms, Jitter 6,18 ms and packet loss 2,90%

Keywords : Video Conference, Openmeetings, Cloud, Openstack, QoS