

ABSTRACT

Nowadays, everything is cannot be separated from technology which makes the human necessity of information and technology has been increased, especially in the term of telecommunication networking development based on internet protocol. With its increase of applying, the more of necessities in many devices with difference configuration for support the largest realization of network infrastructure. Also in devices management and maintenance will be inconvenience for user.

Openstack system is the solution of this problem, it is a main control of SDN (Software Define Network) which able to combining several blocks into one control. There are Application Service, Dashboard Service, Compute Service, Storage Service, and Service Network. For supporting the services, it needs a visualization system for facilitate user to do the networking configuration more easier. This system is named Dashboard in Horizon platform which is a user web interface for creating a new network, do some maintenance and managing the network devices or its called cloud administrators. The Horizon build in Phyton programming language in 2.6 or 2.7 version for programming language.

From the result of Dashboard service analysis in this final project, it's deduced that the performace from its service is good enough. From the testing obtained with Click testing the maximum bandwidth in server is 1500 kbps and in user side is 1100 kbps, for Time testing the maximum bandwidth in server is 2200 kbps and in user side is 1100 kbps, and for Ramp testing the maximum bandwidth in server is 2200 Kbps and in user side is 1100 Kbps.

Keywords : Openstack, Dashboard, Horizon, Cloud Computing.