

ABSTRACT

ANALYSIS OF MULTI-TENANCY TESTING IN SOFTWARE DEFINED NETWORK WITH 10 TUPLE NETWORK SLICING METHOD USING OPENDAYLIGHT CONTROLLER

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Software defined network is a new concept in designing, managing and implementing networks. Needed to be applied to increasingly complex complexity. The current problem is still limited use of conventional infrastructure compared to using network-determined software. This research makes network design more modern so that tenants have their own access right and support themselves. This access right is applied using the concept of a 10-tuple slicing network. The tuple used is port mapping, where the switch will provide a connection to the host via the port. The network that was built has several tenants whose performance is approved to prove that network implementation can be done. This network is connected to a controller named Opendaylight. The hypothesis is the analysis of multi-tenancy testing in software defined network with 10 tuple network slicing method using opendaylight controller.

Key words : Software Defined Network, Multi-tenancy, Network Slicing, Opendaylight.