

ABSTRACT

MULTI-TENANCY TEST ANALYSIS IN SOFTWARE DEFINE NETWORK USING 10 TUPLE NETWORK SLICING METHOD USING OPEN NETWORK OPERATING SYSTEM CONTROLLER

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Today the internet is growing very rapidly. The internet has an important role in today's technology, the internet also influences human life to communicate and get the latest information both domestic information and foreign information. internet is used in every day activities. Towards an era of development. Solving problems in the world, because it requires Perakate one by one, therefore the Software Define Network (SDN) is created. Software Define Network (SDN) is a new architecture designed to facilitate networks that are more effective and efficient. Network-determined software (SDN) is a network scenario that changes traditional network architecture by bringing all control functions to one location and making centralized decisions. There is a Controller in SDN. The controller is the brain of the SDN architecture, which performs package completion compilation control decision tasks. This research Analisis Test Multi-Tenancy on Define Network Software using 10-tuple network slicing method, the tuple used is the IP address, to give the address when configuring the device. by using the Open Network Operating System controller, and using the concept of intent on the application of network slicing, also approving connectivity and performance of service quality in the topology without tenants and topology with the application of tenants. Multi-tenancy on the Software Defined Network with the 10-Tuple Network Slicing method Using the Open Network Operating System controller.

Keywords: Defined Network Software, Multi-tenancy, Network Slices, Open Network Operating Systems, Intent, Quality of Service.