UNIVERSITI TEKNOLOGI MARA

SOFTWARE DEFINED NETWORKING FOR MONITORING QOS

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ABSTRACT

Network connectivity is most crucial component for an organization especially for business organization. It is now seen as one of the requirements that must be included for every organization. In the traditional approach to networking, most network functionalities are implemented using dedicated appliances; i.e., switches, routers, etc. Not only that, some functionalities are implemented in dedicated hardware. In summary, traditional network is hardware centric.

Software Defined Networking has been a buzzword in the recent years. SDN move away from traditional architectures into a revolutionary service delivery platform able to readily and easily address changes within industry. Some of the core function of SDN are network flow can be controlled, and the important one, SDN is based on open standard and vendor neutral.

However when SDN is being deployed, it is hard to track which packet goes to which path or go to which virtual switch. This is dependent on how the network administrator programs the network path. Hence a monitoring software for SDN is required. This paper introduces Software Defined Network Application for Monitoring QoS. This application will monitor the traffic and interact with the controller after monitoring the QoS traffic.

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