Abstract

Software Defined Networking (SDN) is a paradigm where a software based controller governs the overall network behavior. SDN promotes centralization of network by separating the networks control plane from its data plane. OpenFlow, one of the techniques of SDN technology, is a new approach to networking. This paper discusses application aware routing and traffic engineering in the context of Software Defined Networking (SDN). This paper demonstrates the use of an Open Flow controller to implement application processing logic. With the use of Open Flow switches it is possible to provision the network to treat the packet flows for video, audio and web differently based on user needs and requirements. The idea is to provide a better network efficiency, low bandwidth wastage.

References


Index Terms

Computer Science Networks
Keywords

SDN, Firewall, OpenFlow