Abstract

This paper assesses the resource costs of TLS in OpenFlow and puts forth a header format for channel communication that is more efficient and partially backwards-compatible. Resource usage is shown to be reduced by up to 19.36% with a TLS flag added to the OpenFlow header.

References


Index Terms

Computer Science Networks

Keywords

SDN, OpenFlow, channel, security, efficiency, TLS, header, southbound, SSL, PKI, DS, xid, Mininet, encryption