

ABSTRACT

Name : Ridwan Falach
Student Number : 41517310049
Counsellor : Sri Dianing Asri, ST, M.Kom
Title : Analisis Kinerja Quality Of Service (QoS) Pada Jaringan Multiprotocol Label Switching (MPLS) Untuk Layanan Video Streaming

Improved network performance can be done with Multiprotocol Label Switching (MPLS) technology. MPLS is a technology that supports layer 2 switching functions and routing layer 3 by labeling data packets. This article discusses the quality of MPLS services on video streaming services. Streaming video network modeling is done on MPLS or without MPLS using the Open Shortest Path First (OSPF) routing method. Evaluation simulator using Graphical Network Simulator 3 (GNS3). MPLS allows service providers to provide customer support, and fully supports Service Quality (QoS) by providing classification and tagging packages, avoiding congestion, managing congestion, increasing traffic, and signaling. Because it uses one Unified Network Infrastructure, MPLS is not complicated at all. Also, in the core MPLS Border Gateway Protocol (BGP) network, this will increase the efficiency of Internet Service Providers (ISPs). The performance of telecommunication networks in the process of sending data is often a problem and giving to the quality of services provided, thus a telecommunications network is designed using Multiprotocol Label Switching (MPLS) technology. This MPLS network is a network defined by the IETF to combine label swapping on screen 2 with routing in layer 3 to speed up the sending of data packets.

Key words:

Quality of Services (QoS), Multiprotocol Label Switching, Open Shortest Path First, video streaming