Abstract

In this paper, the video received, IP drop in WFQ is improved using committed access rate (CAR). The committed access rate is used for video and http applications and for WFQ queuing scheme. From results, it has been analyzed that the video received in WFQ shows much better improvement than the conventional. The significant results have been investigated for IP drop in case of WFQ with committed access rate and conventional which is 0.7 and 8.36 packets per second respectively. The result for video received in case of WFQ with committed access rate and conventional is 383.8 and 5.56 packets per seconds.

Reference

- Configuring committed access rate "Cisco IOS Quality of Service Solutions Configuration"
Performance Improvement of video based applications in WFQ using Committed Access Rate

Guide”mail. attelecom.com/security_training/qcfcar.pdf
- Planning for quality of service,
www-china.cisco.com/univercd/cc/td/doc/product/rtrmgmt/ciscoasu/class/qpm1_1/using_qo/c1plan.htm, page 19
- Cisco “Comparing Class-Based Policing and Committed Access Rate”
- Peter J. Welcher “Quality of Service feature”,
- Quality of service for voice over IP.
- Federico, di Napoli, Centra Servizi Didattico Scientifico, and V. Cinthia, Improving the
  Performance in Multimedia Streaming Network: A DIFFERENTIATED SERVICE APPROACH,
- E.QOS: Solutions for Service Providers using Riverstone Networks’ Switch Routers,
  white paper.
- Mirjana Stojanovic An Approach for Planning and Design of QoS Enabled IP Networks,

Index Terms

Computer Science Multimedia

Key words

Weighted Fair Queue
Committed Access Rate (CAR)

IP QoS
ToS