

ABSTRACT

The growing use of multimedia applications with specific bandwidth and real-time delivery requirements has created the need for an Integrated Services. In integrated service traditional best-effort delivery can coexist with additional enhanced Quality Of Service(QoS). QoS concerns of parameters that related to bandwidth, packet loss, jitter, and delay. Integrated Service use RSVP as signaling protocol to establish and control QoS.

This final project implement RSVP in network simulator version 2 (ns-2) environment, and simulate reservation process to analyze QoS parameters (delay, packet loss) in order to know performance of RSVP-enabled network.

Implementation of RSVP in overloaded network can control throughput, delay, reduce packet loss and make use of bandwidth allocation stable.

Keywords : QoS, Integrated Service, RSVP