

205. ETFRC: ENHANCED TFRC TO IMPROVE THE QUALITY OF MULTIMEDIA STREAMING SERVICE

GURURAJ.J1, SRINIVASAN.J(Assistant Professor)

M.E, Dept of CSE,

Arunai College of Engineering,

gurumca87@gmail.com

srinivasanj.cs@gmail.com

QoS (Quality of Service) is guaranteed for different types of video real-time data flows, The packet security levels are adaptively enhanced. The QoS can be in the form of delivery delay, capacity, reliability, mean time between failures, mean time to restore a service Real-time data packet sources are required to provide security services to their applications and make them robust against different security threats, Any dynamic change in the network cannot affect the pre-negotiated security level, They are inefficient in modeling and analyzing complicated heterogeneous environments such as the dynamic real-time networks with QoS guarantees and security aspects while interaction is the protocol of rules and constraints that controls the transactions performed by the cooperating agents. Transmission rate based on packet loss event ratio rather than packet losses to reduce the variation of transmission rate Overshooting of slow-start results in burst packet losses and these losses degrade the quality of streaming service.

Index Terms: Multimedia streaming, TCP-friendly rate control, round-trip-time-fairness, slow-start, high-speed network.

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