Abstract

Video communication over mobile broadband is gaining popularity due to the increased demand for applications such as Video on Demand (VoD), IPTV, video conferencing etc. In order to support these video applications over mobile broadband, efficient video streaming within the limited bandwidth environment is essential. Further, Long Term Evolution (LTE) network incorporates advanced Radio Resource Management (RRM) mechanism such as scheduling to
realize efficient video streaming over limited bandwidth arena. Scheduling does the task of dividing and allocating radio resources in order to maximize system throughput and enhance Quality of Experience (QoE) of the end user. Hence, in this paper an attempt has been made to evaluate the performance of Round Robin (RR) and Proportional Fair (PF) scheduling algorithms using EXata network emulator for real video traffic generated by Video LAN (VLC) media player. Packet Delivery Ratio (PDR) and throughput are considered as performance metrics for the emulation studies.

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Index Terms

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Keywords

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