

## عنوان مقاله:

Network Monitoring and Traffic Analysis to Control Bandwidth Utilization

## محل انتشار:

پنجمین کنفرانس ملی مهندسی کامپیوتر و بلاک چین ایران (سال: 1399)

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## خلاصه مقاله:

Network monitoring is a critical task in a network by which the communication traffic is analyzed and the outcomes assist in improving the overall bandwidth utilization and hence network performance. However, due to transmission in the air, analyzing the traffic is a major challenge in the monitoring of the wireless network. The issue is further extended when monitoring, as well as analysis, are related to bandwidth-intensive video traffic. To address the challenges, this work provides a simulation-based planning model to monitor long term evolution (LTE) and 802.11ac networks. The model is able to analyze the video traffic to determine the proper parameters to enhance bandwidth utilization in terms of throughput and the rate of lost video data in the middle of a transmission. The results are helpful for mobile service providers to provide a required level of speed and bandwidth to the end-users.

## کلمات کلیدی:

Network monitoring, Traffic analysis, Bandwidth utilization

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1037915>

