Abstract

The exponential increasing traffic demands of mobile streaming services over a network have been unpleasant the wireless link capability cannot keep up with the growing traffic load. There is some space between link capability and traffic demand with time varying link condition which gives results in poor quality of streaming services such as constant interruption and long buffering delays. The AMES-Cloud proposes a new video streaming methods which is User-Adaptive Mobile Video Streaming (AMoV) and User-Behavior Oriented Video Pre-fetching.
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(UBoP). The AMoV and UBoP create a private mediator for efficient video streaming distribution process. The private mediator adjust the streaming flow and reduces the traffic using scalable video coding technique (SVC) which shows the social interaction among each user. The video quality of streaming is based on the feedback of link quality. This shows the effectively streaming and sharing service over a network. The efficient background pre-fetching is also done which is based on user resolution and bandwidth. It provides advance and excellence service of video streaming while using the networking and computing assets resourcefully.

References

- P. McDonagh, C. Vallati, A. Pande, and P. Mohapatra, "Quality-oriented scalable
video delivery using H. 264 SVC on an LTE network, "in Proc. WPMC, 2011.

Index Terms

Computer Science Distributed Systems

Keywords
Adaptive Video Streaming  Scalable Video Coding (svc)  Social Video Sharing  Video Cloud And Video Base.