Abstract

Multimedia real-time session services, such as voice and videoconferencing with Quality of Service support is a challenging task on Mobile Ad hoc Network (MANETs). For providing multimedia services and Voice over Internet Protocol (VoIP) in MANET, support for Session Initiation Protocol (SIP) is essential. The goal of QoS provisioning is to achieve a more deterministic
network behaviors, so that information carried by the network can be better delivered and network resources can be better utilized. In this paper, we have analyzed various QoS parameters on different routing protocols for the voice transmission using OPNET simulator. The performance metrics comprises of QoS parameters such as packet delivery ratio, end to end delay, packet delay variation, routing overhead, throughput and jitter.

Reference


**Index Terms**

Computer Science  
Wireless

**Key words**

QoS  
VoIP  
MANETs