Abstract

In this paper we have considered a Wireless Mesh Network (WMN) with multiple internet gateways (IGW) and wired network support for maximizing the delivery in the WMN access network. We have considered the WMN in IEEE 802.11s framework that nodes can transit from one IGW region to the other seamlessly based on the Quality of Service (QOS) requirements. Then we set up the system and method for maximizing delivery in the last mile through wired gateways. Then subsequently we address the problem of IGW placement in the WMN.

Reference

- Yigal Bejerano "Efficient integration of multi-hop wireless and wired networks with QoS constraints", September 23-28, 2002, Atlanta, Georgia, USA

**Index Terms**

- Electronics
- Design of wireless LAN

**Key words**

- WMN
- IEEE802.11s
- Planar graph
- Internet Gateway Placement
- Mesh Portal Point
- Mesh Router
- multihop wireless and wired network