Abstract

Wireless Mesh Network (WMN) is one of emerging technology of the next generation networks, and it is going to address the internet provision to users at low cost anytime from anywhere. Being a broadband wireless network of the future, still it is facing a lot of technical and critical issues which are prohibiting it from the world wide deployment and acceptance. Multi-hop nature of this broadband wireless technology increases routing overhead and poor packet delivery ratio. In this paper, we present firstly the detailed architecture of IEEE 802.11 WMN, and then a new architecture for WMN is proposed, which consists two components, one is Mesh Backbone, the other is Mesh Domain. Then some security attacks on WMN and then a proposed architecture which will solve most of the existing and the future problems. The main concerns of this architecture is that its multi-hop nature and ad hoc connectivity amongst the nodes of WMN with current as well as future prospective.
Reference

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Index Terms

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