IPv6 BASED WLAN

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Abstract:

The primary objective of this thesis is to provide a framework for the support of wireless LANs (WLANs) in an IPv6-only environment. It is hoped that it will serve as an IPv6 WLAN design and implementation guide for the next generation of networks.

The main focus is on access control solutions but the scope of thesis is expanded to include all aspects for deploying IPv6 based WLANs. While authentication and access control still remain a significant part. Moreover, the issues in designing and implementing WLAN together with IPv6 or MIPv6 specific issues are also considered. The proposed method also focuses on IEEE 802.11 based WLANs since these are by far the most widely deployed and are certainly beginning to live up to the 'wireless Ethernet' tag.

The main purpose of thesis is to give the proposed solution for developing Internet Protocol version 6 (IPv6) based Wireless Local Area Network (WLAN) for Quaid-e-Awam University Of Engineering, Science & Technology, Nawabshah.