Enhanced of multilayer Security using Wireless AD-HOC Network in Network Routing

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ABSTRACT: **Wireless network** is any type of computer network that uses wireless data/information connections for connecting network nodes. Wireless networking is a method by which homes, telecommunications networks & enterprise installations avoid costly process of introducing cables into a building, or as a connection between various equipment locations. Wireless telecommunications networks are generally implemented & administered using radio communication. This implementation takes place at physical level of OSI model network structure. Ad Hoc is actually a Latin phrase that means "for this purpose." It is often used to describe solutions that are developed on-the-fly for a specific purpose. In computer networking, an ad hoc network refers to a network connection established for a single session and does not require a router or a wireless base station.

Keyword: Server, Technology, Multimedia, Organization, Rick, Partnership, Network, Resource

[1]Introduction

WIRELESS AD-HOC NETWORK

Research on Wireless Ad Hoc Networks has been ongoing for decades. The history of wireless ad hoc networks can be traced back to the Defense Advanced Research Project Agency (DAPRPA) packet radio networks (PRNet), which evolved into the survivable adaptive radio networks (SURAD) program. Ad hoc networks have play an important role in military applications and related research efforts, for example, the global mobile information systems (GloMo) program and the near-term digital radio (NTDR) program. Recent years have seen a new spate of industrial and commercial applications for wireless ad hoc networks, as viable communication equipment and portable computers become more compact and available.

Since their emergence in 1970's, wireless networks have become increasingly popular in the communication industry. These networks provide mobile users with ubiquitous computing capability and information access regardless of the users' location. There are currently two variations of mobile wireless networks: infrastructure and infrastructureless networks. The infrastructured networks have fixed and wired gateways or the fixed Base-Stations which are connected to other Base-Stations through wires.

TYPES OF ATTACK

Five types of attacks are as follow:

1. Passive Attack
2. Active Attack
3. Distributed Attack
4. Insider Attack
5. Close in Attack

HACKING

A **hacker** has been somebody who exploits & seek weaknesses within computer network or computer system. hacker can be motivated by multitude of reasons, such as profit, challenge or protest. grouping that has evolved everywhere hackers has been often referred to as computer underground & these days they are well known community.

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