



Analysis of Mobile IP Wireless Networks in 5G

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ABSTRACT

Now a day Mobile IP is the most encouraging solution for the mobility management of the Internet. The aim of this paper is to analysis Mobile IP wireless in 5G, Mobile IP has been designed within the IETF to serve population that develops quickly of mobile computer users who desire to connect to the Internet and maintain communications as they go to other place. Fifth generation (5G) is an upcoming mobile network technology which will probably be launched in India by 2018-2020 by several leading mobile operators. This paper is focused on Mobile IP of all previous generations of mobile technology, evolution point of view of 5G technology and primary architecture/idea in back of this mobile technology. As user becomes more concerned in wireless communication technology, users check all of the features of a wireless communication technology that have interesting in package. Due to up growing technological transition in the world of internetworking today. This attack is observed through coming together on the telecommunications substructure with so about IP information networking in imitation of deliver built-in voice, video, or facts services. Wireless technology has been concerning because a while; whatever, in that place has been a quite recent or rapid run between the development concerning latter wireless standards in conformity with useful resource the convergence on voice, video yet facts communication.

Key words : 5g, AIPN, LTE, IETF, CDMA

1. INTRODUCTION

First IP address depending on the geographic location of the device, so any change in the geographical location the messages would not reach the user. This problem led to coming out of the mobile Internet protocol which allows the user to convey from one position to another without Loss of messages sent to it. Communication has changed from a prevalently wired setup towards a wireless setup, or a merger.

Computer networks assist in faster and reliable communications over long distances. Network become a vital role in our lives that enable us to communicate around the world. The develop in mobile and wireless communications has motivated research into mobility support in networking protocols [2]. Mobile IP is the suggested standard for IP mobility supported by the Internet Engineering Task Force (IETF) it is a standard that gives users with mobile devices whose IP addresses are associated with one network to remain connected when moving to a network with a various IP address. The original IP does not support host mobility [1]. A mobile user's IP address is exchanged by DHCP or manually when connecting to the Internet through a different network.

Wireless technology developed in early 1970's. After four decades, the development of mobile wireless technology projected from 1G to 5G technology. 5G technology is the 5th generation technology for mobile wireless technology[8]. 5G Technology is highly intelligent technology, which increase a large number of specifications to the 4G technology and makes it wireless without any restriction. 5G gives very high bandwidth with many other advanced features such as apparitional efficiency, energy efficiency, etc., making it wireless for real world and so makes powerful and advantageous for the users. The fifth generation wireless mobile technologies offer enormous data capabilities and unlimited calls and additionally, a limitless data broadcast with newest mobile operating system[3]. The concept of WWW (World Wide Wireless Web) is initiated with 4G technology and is finished with the 5G mobile technology. It is expected to dismiss in 2020. This technology supports in creating a universally connected world with uninterrupted access to information, communication and entertainment. This will absolutely alter our lifestyles in a different manner.

In this paper we analysis mobile IP network wireless in 5G, By focuses on explain IP and advantages and disadvantages in 5G , 5G networks are the next generation of mobile internet connectivity, providing faster speeds and more reliable connections on smartphones and other devices than ever before.