

ABSTRACT

In this era of technology internet data users are very important for life, the internet becomes one of the need to perform various activities. The development of cellular networks from year to year growing, ranging from 2G, 3G and 4G cellular networks. 4G is the development of 2G and 3G network technology. Standard used 4G network is LTE (Long Term Evolution) which is issued standard from Sweden country. Currently the community has a lot of use 4G network with fast network reasons, fast download and cheap internet package. Will users or users not be able to configure on 4G networks, therefore created software used open source 4G network using OAI (Open Air Interface) software. The software can create an Open Air Interface 4G network that can be implemented using an server EPC (Evolved Packet Core) capable of storing user identity data in the database.

Keywords: EPC, OAI, 4G