Abstract

Several studies and statistics have shown that the usage and adoption of E-Health Record software in the emerging countries are very low. This is mainly due to the economic factors, the proprietary E-Health systems are expensive, and requires a longterm maintenance. To overcome this budget limitations and to cope with these problems, we propose a method combining the adoption of open-source software, with Cloud computing technology. In this paper we propose a comparative study of the most relevant EHealth open-source software, and select the best suited solution. We propose an implementation of our solution based on openEMR software and the private cloud Openstack.

References


- Dan ISTRATE and Dumitru MOLDOVAN. The free software model of development in the area of medical informatics. Applied Medical Informatics, 31(4), 2013.


**Index Terms**

Computer Science  Distributed System
Keywords

E-Health  epSOS  DMP  PACS  EHR  EMR  HL7  HIPAA  medical information systems  cloud computing

Open source software