Cloud computing is known for its elastic and on-demand services. Cloud users can enjoy all the resources being provided by the cloud for a certain charge. Cloud users will be charged on the basis of pay-as-you-go model. Data storage is the mostly needed service nowadays. The cloud users submit their data to the cloud and remain relaxed as there will not be any problem in data maintenance. However, privacy is the major concern here. National Healthcare Info System (NHIS) has got terabytes of health care data and has to be managed effectively. Thus, the merit of cloud computing is enjoyed and the shortcomings are needed to be overcome. All the health care data is submitted to the cloud and users or patients can access it only when the
One Time Password (OTP) is provided. This OTP is a 6 or 8 digit randomly generated number by RSA. Thus, privacy is ensured and also the identity of the client is provided by the modification of IP address, which is the task of intermediary layer. This proposed system comprises of three layers namely client, intermediary and privacy preservation layer.

References

- Koufi V, Malamateniou F, Vassilacopoulos G. Ubiquitous access to cloud emergency medical services. Proceedings of the 2010 10th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB); The 10th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB); November 3-5, 2010; Corfu, Greece. New York, NY: IEEE; 2010.


Index Terms

Computer Science
Cloud Computing

Keywords