RESEARCH PAPER

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Healthcare electronic record transaction security improvement on java swing performance prediction in data mining techniques

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Data mining knowledge discovery techniques process of employing one or more machine learning techniques to automatically analysis and extract the knowledge from large database. Data mining explore action and analysis of large quantities of data in order to discover meaningful patterns and rules. ICT (Information Communication and Technology) reached all level in human being, but healthcare and pharmaceutical organization till they have patient of attributes, diseases of various sysmptoms, past history, and feature treatment of forecasting information of large database store and forwarding to retrievals through computer software necessary to healthcare relevant all organization. Electronic health record (EHR) system for necessary and high-quality patient treatment. Cautious design of delegation mechanism must be in place as a building block of various hospital cooperation, since the cooperation inevitably involves exchanging and sharing relevant patient data that are considered highly private and confidential. The delegation mechanism grants permission and restricts access rights of a cooperating partner. Patients are unwilling to accept the EHR system unless their health data are guaranteed proper use and disclosure, which cannot be easily achieved without different transaction of domain like various hospital respect to authentication and fine-grained access control. In addition, revocation of the delegate rights should be possible at any time during the cooperation. In this paper, we propose a secure EHR system, based on cryptographic constructions, to enable secure sharing of sensitive patient data during cooperation and preserve patient data privacy. Our EHR system further incorporates advanced mechanisms for fine-grained access control, and on-demand revocation, as enhancements to the basic access control offered by the delegation mechanism, and the basic revocation mechanism, respectively EHR system is demonstrated to fulfill objectives specific to the online transaction, encryption and decryption methods performance predict the data mining decision tree and clustering techniques.

Key words : Patient electronic health record, Encryption, Decryption, Java swing, Decision tree data mining.

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INTRODUCTION

Patient electronic health record (PEHR) systems are used in place of paper systems to increase physician efficiency, reduce costs (e.g., storage), medical errors, improve data availability and sharing etc. Records stored in a central server of a healthcare provider and exchanged over the internet for cross-organizational sharing are subject to theft and security breaches. The majority of works on PEHR systems relevant to handling private patient data still concentrate on the framework design or solution proposals without technical realization. Rawback in existing system a central issue around the sharing of sensitive patient data is the delegation, verification, revocation of permissions and access rights with respect to an outside healthcare provider proposed system to design an EHR system that enables data sharing across collaborating healthcare providers and simultaneously protects patients' health data privacy. While the basic delegation and revocation should be sufficient for common cases, we design additional mechanisms to satisfy more delicate and stringent control requirements tailored for