QUERY EVALUATION USING PAGING MODULE TO SECURE DB IN SCPU FOR PRIVACY & DATA CONFIDENTIALITY

A PROJECT REPORT

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BONAFIDE CERTIFICATE

Certified that this project report **"QUERY EVALUATION USING PAGING MODULE TO SECURE DB IN SCPU FOR PRIVACY & DATA CONFIDENTIALITY"** is the bonafide work of "**S.TAMIZHARASAN (411611104083) and R.UDAYASHANKAR (411611104084)"** who carried out the project work under my supervision.

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ABSTRACT

Most information systems and business applications that have been built nowadays have a web frontend and they need to be available universally to clients, employees and partners all around the world, as this digital economy has its severe growth it is becoming more and more prevalent in the global economy. These web applications, that are capable of accessing from anywhere around the globe, it has also become exposed widely that any existing security vulnerability will most probably be uncovered and they are being exploited by hackers. Trusted DB is an outsourced database prototype that allows clients to execute SQL queries with privacy and under regulatory compliance constraints without having to trust the service provider. Trusted DB achieves this by leveraging server-hosted tamper-proof trusted hardware in critical query processing stages. SQL Queries allow attackers to access unauthorized data (read, insert, change or delete), gain access to privileged database accounts. This article proposes to make trusted hardware a first-class citizen in the secure data management arena.

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S.NO	ABBREVATION	EXPANSION
1.	DB	Data Base
2.	SQL	Structured Query Language
3.	SQLIA	SQL Injection Attack
4.	PL/SQL	Programming Language/SQL
5.	SCPU	Secure Co processor

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