

Securing Digital Documents and Files Using Blockchain

DocEyes

A Tamper-Proof Document Storage System

Capstone Project for Blockchain Development Program, George Brown College, Toronto.

By: Temple Okosun

Hello!

I am Temple Okosun

- Studying Blockchain Development at George Brown College.
- Graduated with a Master Degree in IT from Robert Gordon University Scotland.

You can connect with me via:

temple.okosun@georgebrown.ca | [linkedin.com/in/tokosun](https://www.linkedin.com/in/tokosun) | github.com/TempleOkosun



Problem Statement

Data is one of the most critical assets of an organization and prime target of an attacker.

Data tampering can have far reaching, severe consequences on an organization

It is important to prevent data tampering.

DocEyes

Other forensic means have been used to check document modification but like a File Integrity Monitor, DocEyes secures repositories by generating a cryptographic hash recorded on blockchain as a trusted baseline.

Then, repeatedly recalculates the hash of the same repos and compares it to the baseline.

If it detects changes, it generates a security alert.

Benefits

Improved Security

Blockchain's inherent property of immutability is used to establish the trusted baseline to compare latest versions of documents

Build Trust

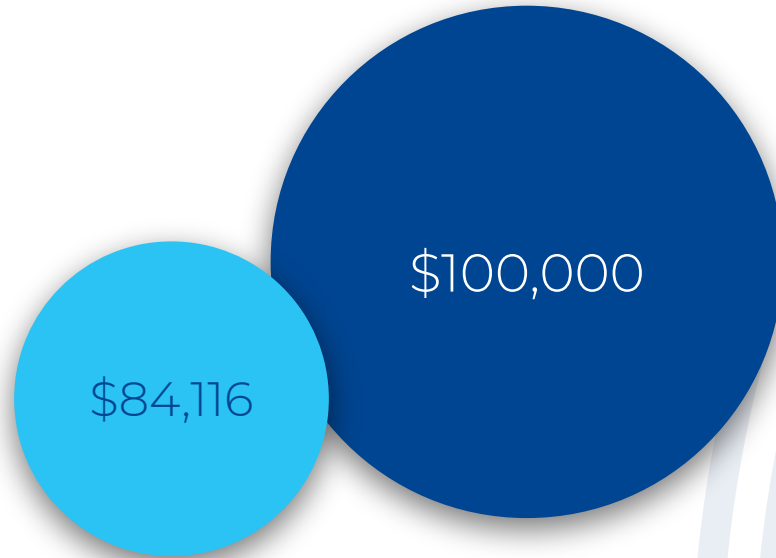
Information is also accessible to any partner of the organization authorized to do so – which provides maximum transparency.

Efficiency

Utilizes asynchronous programming concept to speed up monitoring and reporting which is usually resource intensive

Demo

Market Opportunity



According to the National Health Services (NHS), they lost \$100 million to the WannaCry ransomware attack.

\$100,000,000

According to Coveware, the average amount of ransom demand increased to \$84,116 in the last quarter of 2019.

\$84,116

Are you willing to lose that.?

71% of small to mid-size firms are concerned about electronic document loss, 66% have no prevention strategy. Leger Marketing Survey

Thanks!

Information provides the cornerstone for doing business. If it is tampered with or leaked, this will cause irreparable serious damage.

DocEyes efficiently monitors document repository through blockchain's inherent property of immutability

We can access your need and implement a sound solution.

Book now: <http://doceyes.io>

Demo: <http://doceyes.io>

Github: <https://github.com/TempleOkosun/doceyes>

Email: info@doceyes.io