

DocChain

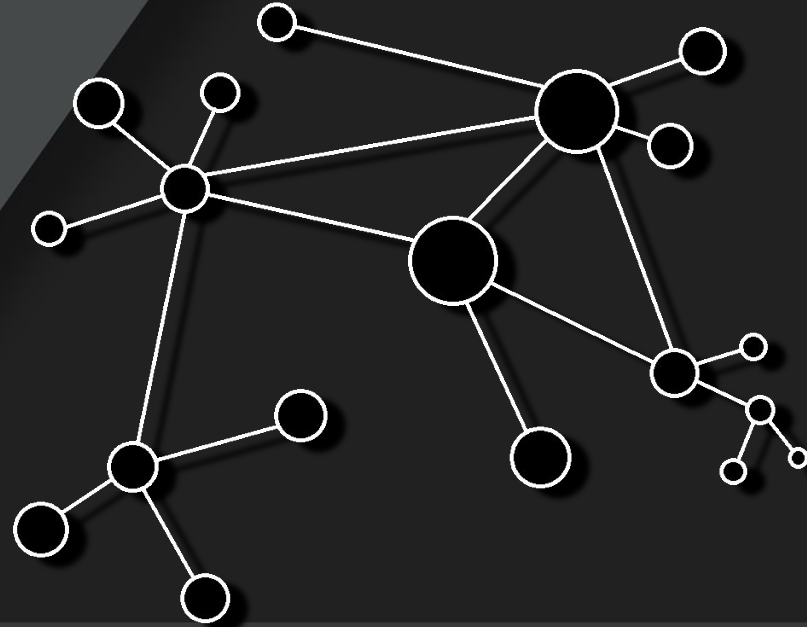
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What Is DocChain

- **HIPAA-compliant** document management system
- Combines the powers of cryptography and **blockchain** technology to create a more secure future
- Built on its own **private blockchain**
- Enables users to **securely share** sensitive documents, mitigating risk of misuse from potential malicious users



What DocChain is not

- Is not a **Cryptocurrency** and does not use any **tokens**
- There was no **ICO** and there aren't any **“transaction fees”**
- Documents are not **shared publicly**, nor are they **publicly accessible**
- **Not governed by anyone but you and your ecosystem**



Not Your Average Document Sharing Platform

- **Makes audits quick & easy**
 - Cryptographically proven access logs
 - Immutable distributed ledger
- **Securely store both PI and PII**
 - All documents are encrypted before Storage
- **Documents are stored on-chain**
 - No cryptocurrency or tokens involved

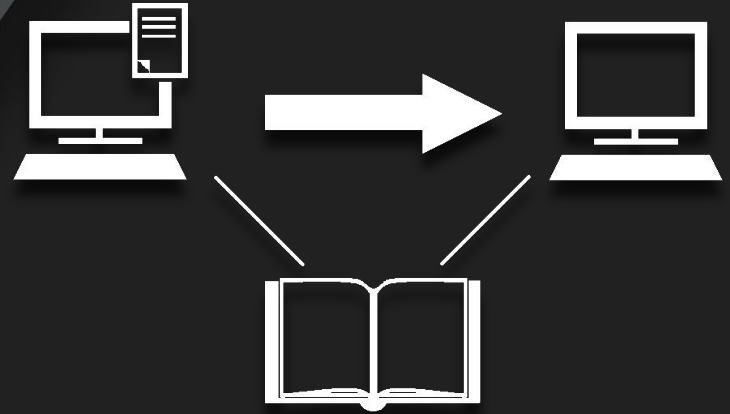


Purpose

The transference of personally identifiable information and proprietary information is always a major concern for businesses and professionals alike.

Using blockchain technology, DocChain is able to create a historical ledger of document accessibility. Allowing users to audit the history of user access for particular documents by date and time.

By creating multiple layers of encryption and a history of accessibility, businesses and professionals are able to operate at full accountability of document access.



Functionality

DocChain provides a solution to minimize security risks when sharing documents.

Using DocChain allows users to:

- Store encrypted documents.
- Safely and securely transfer document access between the necessary users.
- Audit current- and historic- user access.
- Verify documents are unchanged.
- Audit document history of uploads, downloads, and changes.

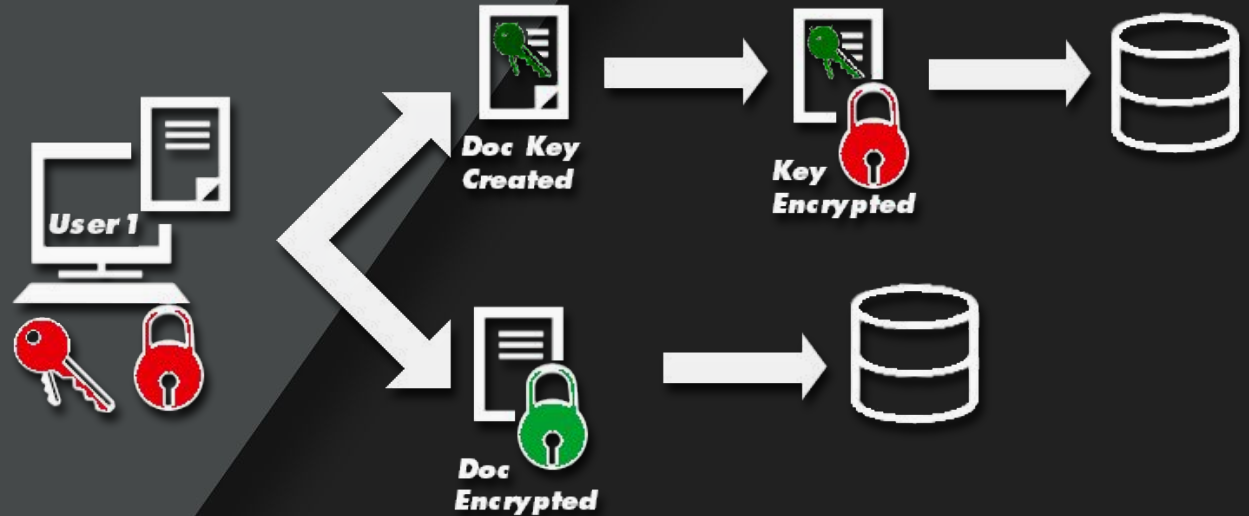


Document Storage

Technical Details

A user has a document they would like to upload and store a document...

1. Using DocChain, the application encrypts the document with a single key.
2. The encrypted document is sent to a node and stored in the blockchain.
3. Simultaneously, the newly created document key is encrypted with the uploading user's private key, effectively securely sharing the document's key with themselves, creating the first point of access in its history.

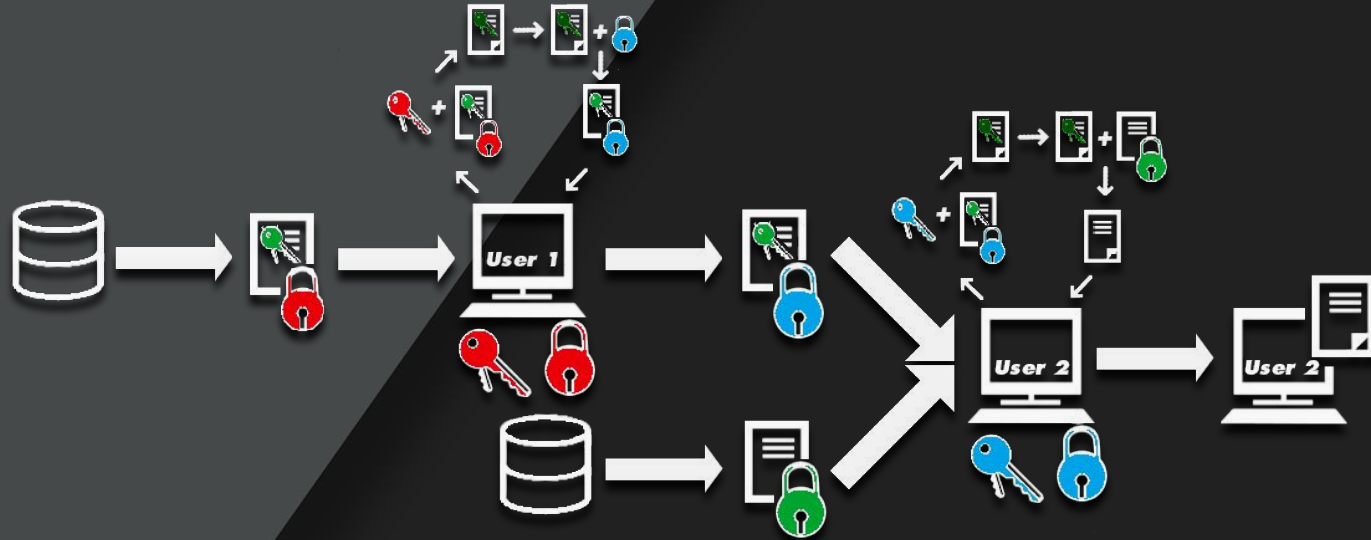


Document Sharing

Technical Details

User-1 wishes to share the document with User-2...

1. The application decrypts the document's key using the User-1's private key.
2. The application then encrypts the document key with User-2's public key, sharing it with User-2.
3. User-2 can now decrypt the document's key using their private key.
4. User-2 is able to use the decrypted document key to decrypt the document itself.



Integration Points

DocChain exists in your infrastructure where you decide it best fits in your business model.

- **On Premise**
- **Off-site Data Center**
- **Cloud**

Developed from the ground up, DocChain lends itself to be customized. Providing the ability to **integrate with the SSO of your choice.**

