

# Blockchain Proof of Authenticity for Kofax Capture™

Delivers indisputable Proof of Authenticity and Existence to all your captured documents.

## Distributed Ledger Technology

Blockchain, best known as the underlying technology for Bitcoin, provides a mechanism to lock in transactional information in such a way that it cannot be changed. The information is shared in a distributed network, making it independently verifiable and auditable.

## Proof of Authenticity and Existence

With Blockchain there now is a technology that can add indisputable Proof of Authenticity and Existence to all the content you capture, create, store, share and publish. And to all the transactions you process.

## Notarize all your captured documents

The Sphereon Blockchain Proof of Authenticity for Kofax Capture™ software enables you to efficiently notarize all the documents you capture in a permanent, unalterable and independently verifiable audit-trail.

This notarization on Blockchain adds indisputable proof that a document has not been changed, or has not been tampered with, since the moment it first entered your business process.

You will also be able to prove when a document first entered your organization and the moment the business process started.

## Why is this important?

You will be able to provide indisputable proof of authenticity required by regulators, in audits, discovery demands, and Freedom of Information Act (FOIA) inquiries.

There can, and will be, no doubt about when a document was captured or that it has been somehow tampered with.

This is an essential part of your information- and records management policies.

**BLOCKCHAIN WILL CREATE A  
PERMANENT, UNALTERABLE AND  
VERIFIABLE AUDIT-TRAIL OF YOUR  
DOCUMENT CAPTURE PROCESS**





# Blockchain Proof of Authenticity for Kofax Capture™

## How does Blockchain work?

Any digital information (a file, transaction, dataset, video, etc.), can be 'hashed' to produce a short, secure, unique identifier; an electronic fingerprint.

This digital fingerprint is added to a transaction, digitally signed and anchored into a blockchain. Individual transactions are then hashed into a Block. Each Block is time-stamped. When a Block is added to a blockchain, it again uses a hashing algorithm to link that block to the previous blocks, forming a chain.

These Blocks are replicated on thousands of computer nodes through a distributed, peer-to-peer network. Computers in the network check the validity of the block and only when a majority of computers in the network reach consensus that the Block is valid, the Block is committed to the blockchain.

## Why can Blockchain not be hacked?

Blockchain only allows transactions to be appended: records can not be changed or deleted.

A hacker might attempt to change a record, but the network would detect this immediately because the hashes of the blocks and chains will be corrupted.

The hacker would have to recalculate all the hashes in all the blocks on all the chains on at least 51% of the computers on the network. This is logistically and financially infeasible.

## How does this work for Kofax Capture?

Our Custom Module for Kofax Capture™ installs like any other Kofax Custom Module. Just download, install and configure it in the Kofax Administration Module.

The Blockchain Registration Custom Module will run as the step before a Kofax Release Module.



The Custom Module will process each document in a batch and create a unique hash for each document, then digitally sign and anchor this hash on a Factom™ Blockchain.

*The document itself will not be stored on a blockchain!  
Just the hash.*

Anyone that has the proper access rights to this document can now verify the authenticity and time-stamp by simply recreating the hash and verify it on the Blockchain. This can be done using public tools and websites or from your ECM system, like Alfresco, SharePoint and others.

When the document is unchanged and still authentic, the hash will be unchanged too and will match the hash found on the Factom Blockchain. The time-stamp on the Factom Blockchain will prove the data and time of the original registration.

