Certificate of Blockchain Proof

excel_example.xlsx

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This certificate constitutes proof that a document has been anchored to the bitcoin blockchain, thereby proving that the document existed in its current form on the date at which the blockchain entry was created.

You can use this proof to attest that:

(a) the document has not been altered in any way.
(b) the document existed in its current from on the specified date.

An online version of this proof can be found at:

https://provendocs.com/proof/5c37e945a09e8862fa3f9f50

The document was uploaded by Michael Harrison (google user: mike@southbanksoftware.com) at 2019-01-11T00:54:29.174Z

Details of the document being proved

The document name when hashed was *"excel_example.xlsx"*

You can view a copy of this document at: https://provendocs.com/document/5c37e945a09e8862fa3f9f50 (permissions may be required to view the document)

The cryptographic hash of the document is: *58c90f61e94dd0329974f72718ca4d3195241c8e01fa3395bd6032bb03c4f500*

See Schedule 1 for details of the hashing algorithm employed.

Blockchain proof details

The document hash was included within the Chainpoint proof at https://a.chainpoint.org/calendar/2523732/data

See Schedule 2 for a detailed cryptographic proof.

The Chainpoint proof was anchored to the bitcoin blockchain at block 558005 in bitcoin transaction e7785ca41aa0571e16ae041df8a107e2808b62d127689e9f94226174bb4e6104 at UTC: 2019-01-11T00:54:29.000Z

Summary

The document *excel_example.xlsx* with hash value *58c90f61e94dd0329974f72718ca4d3195241c8e01fa3395bd6032bb03c4f500* was anchored to the bitcoin blockchain
by Michael Harrison (google user: mike@southbanksoftware.com) at UTC: 2019-01-11T00:54:29.174Z. Providing that the document continues to hash to that value, you can be certain that the document existed in its current form on or before that date.

Schedule 1: Document hashing

The document hash of *58c90f61e94dd0329974f72718ca4d3195241c8e01fa3395bd6032bb03c4f500*
was obtained by performing a SHA-2 256 bit hash on the document at
https://provendocs/documents/5c37e945a09e8862fa3f9f50 (permission may be required to view this document).
The hash was calculated on the document and its metadata as stored in the ProvenDocs system.

You can download a copy of the document and its metadata (permissions required) at
https://provendocs/documents/5c37e945a09e8862fa3f9f50/download.You can independently validate the hash by using the
open source hash validation tool at https://provendocs.com/downloads/validateHash.You can also extract the document from its metadata using this tool.

Schedule 2: Chainpoint proof

Chainpoint is an open standard for linking data to the public blockchain. It aggregates multiple hash values into a single
hash value which is then placed on the blockchain. The following chainpoint proof proves that the hash value of
58c90f61e94dd0329974f72718ca4d3195241c8e01fa3395bd6032bb03c4f500
is associated with the chainpoint proof placed on the bitcoin blockchain in transaction
e7785ca41aa0571e16ae041df8a107e2808b62d127689e9f94226174bb4e6104

*This proof can be downloaded (permissions required) from https://provendocs.com/
proofs/5c37e945a09e8862fa3f9f50*

Below is a binary representation of the Blockchain proof

[object Object]

Schedule 3: List of printable links in the document

Document being proven:
https://provendocs.com/document/5c37e945a09e8862fa3f9f50

Chainpoint.org:
https://chainpoint.org

Chainpoint proof for the document:
https://provendocs/proofs/5c37e945a09e8862fa3f9f50

Chainpoint calendar entry for the proven document:
https://a.chainpoint.org/calendar/2523732/data

Bitcoin block containing the proof:
https://live.blockcypher.com/btc/block/558005

Blockchain transaction:
https://live.blockcypher.com/btc/tx/e7785ca41aa0571e16ae041df8a107e2808b62d127689e9f94226174bb4e6104

Open source validation tool:
http://provendocs.com/downloads/validateHash