Certificate of Blockchain Proof

proven-db-lightpaper-16-10-18 copy 3.pdf

Michael Harrison (google user: mike@southbanksoftware.com)

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/5c16e88eca04fa403c80a3df

The document was uploaded by Michael Harrison (google user: mike@southbanksoftware.com) at 2018-12-17T00:08:18.244Z

Details of the document being proved

The document name when hashed was "proven-db-lightpaper-16-10-18 copy 3.pdf"

You can view a copy of this document at: https://provendocs.com/document/5c16e88eca04fa403c80a3df (permissions may be required to view the document)

The cryptographic hash of the document is:
1022d647071284af407fe043e162a797311adc808b943c4ebd38cc85d468d99f

See Schedule 1 for details of the hashing algorithm employed.

Blockchain proof details

The document hash was included within the chainpointproof at
https://c.chainpoint.org/calendar/2398052/data

See Schedule 2 for a detailed cryptographic proof.

The Chainpoint proof was anchored to the bitcoin blockchain at block 554122 in bitcoin transaction 01902d07f9bf2f53d319fae74519c9525a82a8ee4883aac84accb6ae32499a83 at UTC: Mon Dec 17 2018 11:13:27 GMT+1100 (Australian Eastern Daylight Time)

Summary

The document proven-db-lightpaper-16-10-18 copy 3.pdf with hash value
1022d647071284af407fe043e162a797311adc808b943c4ebd38cc85d468d99f was anchored to the bitcoin blockchain
by Michael Harrison (google user: mike@southbanksoftware.com) at UTC: 2018-12-17T00:08:18.244Z. 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 1022d647071284af407fe043e162a797311adc808b943c4ebd38cc85d468d99f
was obtained by performing a SHA-2 256 bit hash on the document at
https://provendocs/documents/5c16e88eca04fa403c80a3df (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 reuqired) at
https://provendocs/documents/5c16e88eca04fa403c80a3df/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
1022d647071284af407fe043e162a797311adc808b943c4ebd38cc85d468d99f
is associated with the chainpoint proof placed on the bitcoin blockchain in transaction
01902d07f9bf2f53d319fae74519c9525a82a8ee4883aac84accb6ae32499a83

This proof can be downloaded from https://provendocs.com/proofs/undefined

Below is a binary representation of the chainproof

eJyslz2P39tRx+Ed8CIo4+t5OGfOzFaWaCgoqWisecSWjNfybkIob9LQXiQ6mpALN0QICQlR8j6MeDHot/a9ib0bRUiccvc/n9/Mme/
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un9f33P+2t+XR85P2Cf/4Qf/Pn1n/zwp2++vwenDCwSiknXgIOnyWXCmYXYGjkB87jOh1TeBhi68BvVgzddcSLbP5YQW+lo9rBf79q8eXK/
DD2vI7VuD/DQAA///VX8uu

Schedule 3: List of printable links in the document

Document being proven:
https://provendocs.com/document/5c16e88eca04fa403c80a3df

Chainpoint.org:
https://chainpoint.org

Chainpoint proof for the document:
https://provendocs/proofs/5c16e88eca04fa403c80a3df

Chainpoint calendar entry for the proven document:
https://c.chainpoint.org/calendar/2398052/data

Bitcoin block containing the proof:
https://live.blockcypher.com/btc/block/554122

Blockchain transaction:
https://live.blockcypher.com/btc/tx/01902d07f9bf2f53d319fae74519c9525a82a8ee4883aac84accb6ae32499a83

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