Certificate of Blockchain Proof

EMAIL PROVENDOCS_2018-12-20T23:49:04.664Z

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/5c1c2a707549643c7ccec253

The document was uploaded by Michael Harrison (google user: mike@southbanksoftware.com) at 2018-12-20T23:49:04.664Z

Details of the document being proved

The document name when hashed was "EMAIL PROVENDOCS_2018-12-20T23:49:04.664Z"

You can view a copy of this document at: https://provendocs.com/document/5c1c2a707549643c7ccec253 (permissions may be required to view the document)

The cryptographic hash of the document is:
140c9bd80c5628fdf72b5f08843b2ea86332e7415df6d2521206553b94b205a2

See Schedule 1 for details of the hashing algorithm employed.

Blockchain proof details

The document hash was included within the chainpointproof at https://a.chainpoint.org/calendar/2420393/data

See Schedule 2 for a detailed cryptographic proof.

The Chainpoint proof was anchored to the bitcoin blockchain at block 554711 in bitcoin transaction ceb78914baf8357c6cf07fd74d776883a596be14cb403b4744b1c2058b219599 at UTC: Fri Dec 21 2018 13:00:17 GMT+1100 (Australian Eastern Daylight Time)

Summary

The document EMAIL PROVENDOCS_2018-12-20T23:49:04.664Z with hash value 140c9bd80c5628fdf72b5f08843b2ea86332e7415df6d2521206553b94b205a2 was anchored to the bitcoin blockchain
by Michael Harrison (google user: mike@southbanksoftware.com) at UTC: 2018-12-20T23:49:04.664Z. 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 140c9bd80c5628fdf72b5f08843b2ea86332e7415df6d2521206553b94b205a2
was obtained by performing a SHA-2 256 bit hash on the document at
https://provendocs/documents/5c1c2a707549643c7ccec253 (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/5c1c2a707549643c7ccec253/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
140c9bd80c5628fdf72b5f08843b2ea86332e7415df6d2521206553b94b205a2
is associated with the chainpoint proof placed on the bitcoin blockchain in transaction
ceb78914baf8357c6cf07fd74d776883a596be14cb403b4744b1c2058b219599

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

Below is a binary representation of the chainproof

eJyUVz1vpkcVhf+SCsXx/Z47rlaiQ5RUaaz7McNaMuuV7UAoQxraUFDQhQQSIoQUCVHyP4z4MejxepfN2khhyvfVPc+5537Mmd/+43ncPD+/+Sh/
cXF7u/q8rq7Xedz+nQD9BOmE8GdAZwBnhB9+ndfxop6vm9/95k+Xkevby87z/uqzl/98cXVy5vff/
L55d0zkAECi3U1tygaGbPZbipsJKmdZXPY6ICx5ozFvDFxIKts4E/+ePXyq5+vncUJqn3x
+ffesdTrvib0VC8IqRW7aM3sSJi5rLGOgxW1jDAHogaqLjYIHxCNAIS+aJqA
+vL2Zi5cT74DV1rIZbTG5GhHaJFresz0mSRDRfBvw01dqfFtxeX7ocHX9liB/OAR5/8VVr/OLPqOgRe5wAlJygrjmSUryCeBYIbxMBb7L9fLu/
fuaHMFFTlxvBwdPPIIJe8MYmY+Vi13W5KN8D++pUEqmk3ik794BORMG6Bo4WdYgZ+GyTVW9Ad9lM0kIUPkMVZR1GM0zPHt+e/
vy5uz0ND6o53Hx4uXVxYvVbvD66uf35WcXn2EHFPZ/juohFAujey6gjY1elrDa1ikzb1BMQuZUDoXIZ0iZSy/
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J9TupWvagi0FmFa5yolhBiR4aGsuWrgRiAAPZY7NI5LLJzRCpliNqRm2pjEmcewUWtHeKdly/RgqbekBSAhMNrUCmgv22A5OcchsayCNJd6ycs5
c2y3XnMKUPkeJ6zTa4fvhAME7h8iC4CjQT0eSub4RFXAOi4kyN24BdteRa3WzVGnG3GRRIwgKjhaa7lGvY49iffNQrJOP6X4qqTI5B6N2AWuTb6dt
GVrKIekJe1F1JKC5oIwtzU4LUpZEP4UJMHmNYevI5OjHMJLJbXOQECmutM6YvTekcnEQ+ljbpzksracwHVGDezIyjd4Ie+au
+9sC7FhonbAnHnM0t65Jxoq5WwJ7DNuPMK/vnlls1YE8GGUgWyzXldISEGybZWyc6Zu8ySlz8YAOhnBLi+lnc8+FB44TSVisrThiyiAyWDukYtpm0
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mdlRSXJAjoEzD9MxUaF2EuIxTQGBU4SrstaSyidzN3CsMS2knKixjtsDpkhOd9EpXmtwFA5HUNNpe7PoVopB9YjnW87i/7IPPPm04zZe
+ZG8rf/6kT+rykD8+lldvbhdH9/+8zXir/iiXyg9AT79Jd8jfPPjNz99ebiSu2coUPO44EuNDv82KHWDu3u3SDSCjdmWkNQe1uTEhKYKueUJNCgv977//Ys
+Pxzp3Xvfx4+++0S497JPPRFwfPgG//vCsd+99H8f6f6nwAAAP//jrPoyA==

Schedule 3: List of printable links in the document

Document being proven:
https://provendocs.com/document/5c1c2a707549643c7ccec253

Chainpoint.org:
https://chainpoint.org

Chainpoint proof for the document:
https://provendocs/proofs/5c1c2a707549643c7ccec253

Chainpoint calendar entry for the proven document:
https://a.chainpoint.org/calendar/2420393/data

Bitcoin block containing the proof:
https://live.blockcypher.com/btc/block/554711

Blockchain transaction:
https://live.blockcypher.com/btc/tx/ceb78914baf8357c6cf07fd74d776883a596be14cb403b4744b1c2058b219599

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