



Certificate of Blockchain Proof

gray.png

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 form on the specified date.



An online version of this proof can be found at:

<https://provendocs.com/proof/5c366f2695d47d1e6a2f983b>



The document was uploaded by Michael Harrison (google user: mike@southbanksoftware.com) at 2019-01-09T22:01:10.882Z

Details of the document being proved

The document name when hashed was "gray.png"

You can view a copy of this document at: <https://provendocs.com/document/5c366f2695d47d1e6a2f983b> (permissions may be required to view the document)

The cryptographic hash of the document is:
6e5670dd8f8ad71e7660c40b4ad3a4c30d753903b4f3dacf5e1dcbf2b0306791

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/2516599/data>

See Schedule 2 for a detailed cryptographic proof.

The Chainpoint proof was anchored to the bitcoin blockchain at block 557836 in bitcoin transaction [4cb7bd00460407284f53ac97f8bbc5e1706a8d551ef90f720975a866bcb427ee](#) at UTC: 2019-01-09T22:06:17.000Z

Summary

The document *gray.png* with hash value 6e5670dd8f8ad71e7660c40b4ad3a4c30d753903b4f3dacf5e1dcbf2b0306791 was anchored to the bitcoin blockchain by Michael Harrison (google user: mike@southbanksoftware.com) at UTC: 2019-01-09T22:01:10.882Z. 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 6e5670dd8f8ad71e7660c40b4ad3a4c30d753903b4f3dacf5e1dcbf2b0306791 was obtained by performing a [SHA-2 256 bit](#) hash on the document at <https://provendocs.com/documents/5c366f2695d47d1e6a2f983b> (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.com/documents/5c366f2695d47d1e6a2f983b/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 6e5670dd8f8ad71e7660c40b4ad3a4c30d753903b4f3dacf5e1dcbf2b0306791 is associated with the chainpoint proof placed on the bitcoin blockchain in transaction [4cb7bd00460407284f53ac97f8bbc5e1706a8d551ef90f720975a866bcb427ee](#)

This proof can be downloaded (permissions required) from <https://provendocs.com/proofs/5c366f2695d47d1e6a2f983b>

Below is a binary representation of the Blockchain proof

```
eJyslj9v50cRxuG9UFDgeP7tK4rS3SlkirNaXb+cJbM+WQ7EMqQhJYp6UICCRFCioQoeR9GvBj09TnHYRspSGxn+fd8dueZZ+e7v/3i9tev6+sfv/  
SLV6+vLI7dfvHsb17enWsnNcicPT0Ny1QhBLZ4skswpA1ewFua06NHycZu2sCgtvDPB  
+bFRb54dZV194MdNLEBTIAUTxBrnWzZfAI4nVV1Jc6/3UtuPti/uLi9rTfKF377VwJcJ4AnsH5GdDb0DPD9t/i4uj7wGcGE7+Jd+sBvzRkrtsBj/KF8Hi/  
vf7Wv/VW8rJtPf/OHS991+ZfXuV/kVbx484/Pr17ffPrRZ5d352vbNFZG69owliazBUHBgmQSoHSuGpljSofual6wQsLUV9ZHv796/eXNSz+hoR  
+/2eub8MsXxy5X1+9s97tjux/de3KRZ9/Fz3fR9+L7ig/  
xd3Drsf84FiYspeFYA43o4bG9CoHnR0zvTyMfefKFQVa8lay9uF4zFw0UDIAWc4xMBk6DrDs5e3t69vzk5P/b14m8j3rq5/fhZ+efag  
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+T9MIDkr7Zt/G0u//83g/vXf6/  
lnUAZ3liHl2TjLITYmVAD5iz08q9cecmscrRLFGchZYhW9ojHgGv785r0lqMDF2mWCluJuEVvwB012Kdqm4iiorEkU3uCbpiTkh/  
csJjnozpCW6hoDaaEGmrO0LZ5i2sA2tkRnOWwW2Dh/MmSufJpXE2wflHiRruqxV6bwSoXeLpXWO3DsRF6ew3p5oUBA7LLeT0o2DD0i7Vy  
+VHJuUljpwZQ0F+KasZ1RZTCiKRQ7SiCa+VJ/eslplhiSE1yFZeGaWktlkzdv4EYZV08YM/eLWpgWD0UWFHwI+A/  
vv8TQHizEMINBVwxwEevxWsEk/  
WaSrUc03lg9nmY5JP1bVjJB7R0ALfknTLZJABRAiQ5GpowbDMakBP5NwUrES8TEMQeyk1yjLcZg6TdCgR9dhcQARM0bcxjRiDpg+m6YI4rTqBN8+  
VYthuEDGPxgR02y5sYI0agITapGuEQ3JAW0+Y5FqtWoZkJTOI9lq7eh5hXMK05zGz5ji057MfFhA8WkTqdD9dfq8iuWtqYDrmNYoq7EFEM5huyqTJ  
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M6SFmtuqq2yfd5hHkPfoTxNaSZ0Hzcv5yzZGzb0HnHElpm1KB0kpVPHMb/MlkUteo5pFsMHNBEqwyJaPAULqZS0FbAah8yeBxZkwwzLNRzcrE  
+9fPy7hx2LHJeNUMBagKR  
+RGWuTOHmOo6VQ6CqCIMFJRLGyOxUvGc36upQwOkUXZUINYX3z1pVMG7Mm4ErRPWzQgPlaySUD585ufo4ZylkGm/  
K4MhwCrV2jYs4qXdJdIDnz+IxGoyOsWsGzEVBr2HPM1I0pbdYTIWosFmpRjMTuWdpTfUcrl/  
E01zJxxlJ1XDgwfY4JQ0B0xanbSajTmPrStTYo8qEZAi3R02PpS6itXz3pB7k/WztJtyRvNeeuh0QyBY6+/FoUG1f1Mi1aA9kOel03DKPVpnJM/  
k8PKYaCaPaA7MV0WuZyITDrkxyGKCIAt3SJFy77ZY3XLYJE9qf/wQ2Lfx74fAH8ewyfq/vQPGWqfpt/7VeVy9uq0Pb//+re5XfJFvfv9WfvpL/lcAAAD//  
+AXoFI=
```

Schedule 3: List of printable links in the document

Document being proven:

<https://provendocs.com/document/5c366f2695d47d1e6a2f983b>

Chainpoint.org:

<https://chainpoint.org>

Chainpoint proof for the document:

<https://provendocs/proofs/5c366f2695d47d1e6a2f983b>

Chainpoint calendar entry for the proven document:

<https://a.chainpoint.org/calendar/2516599/data>

Bitcoin block containing the proof:

<https://live.blockcypher.com/btc/block/557836>

Blockchain transaction:

<https://live.blockcypher.com/btc/tx/4cb7bd00460407284f53ac97f8bbc5e1706a8d551ef90f720975a866bcb427ee>

Open source validation tool:

<http://provendocs.com/downloads/validateHash>

