NotBot

Blockchain Notary Bot

Timestamp Certificate

Fingerprint : **4996f388fb94e2c82addfe12f234144834dd1323dabacaa39123ed44c8b68d02**

This is the result of the cryptographic hash function SHA256 applied to the document that is certified.

NXT Certificate

On **2017-08-10 17:57:26** UTC the #NXT# blockchain forged the block : **1432695**

It contains the transaction : **9088075497382830193** which contains the following arbitrary message:

4996f388fb94e2c82addfe12f234144834dd1323dabacaa39123ed44c8b68d02

This message is the document fingerprint.

The NXT blockchain certify that the arbitrary message was computed prior to the block generation time. But this message is the result of the above formula which is made of the SHA256 hash function applied to the document, so it is physically impossible that the message was obtained in another way. Thus, this is an irrefutable proof that the document existed prior to : **2017-08-10 17:57:26** UTC.

The above can be independantly verifed with: [mynxt.info][blockr.io][NRS]

Bitcoin Certificate

On **2017-08-12 02:25:36** UTC the #Bitcoin# blockchain mined the block : **480149**

It contains the transaction : **ab20153daa7bb9c194e2579a07446be644fd03fa4a779ef55ee6b805bea79c6a** which contains the following OP_RETURN message:

6ae784a1d8e1a1ad9108b7f5b86ce10ef649cb916e81ac936adaca08650fdd40

This string is the result of the following formula :

H(H(a+Fi)+b)

where:

H is the cryptographic hash function SHA256,

+ is the string concatenation symbol,

Fi is the above mentioned document fingerprint,

a is ea59137d9dd4d42c3b84354e7022432b61d9f007099ac1349cb723dd019d08ea

b is 0aa4417202b9a3a28dc28bd84cb24513f5d52c7857ed0eac5c5540da46904c26

The Bitcoin blockchain certify that the OP_RETURN message was computed prior to the block generation time. But this message is the result of the above formula which is made of the SHA256 hash function applied to the document, so it is physically impossible that the message was obtained in another way. Thus, this is an irrefutable proof that the document existed prior to : **2017-08-12 02:25:36** UTC.

The above can be independantly verifed with: [blockchain.info][blockr.io][blocktrail.com]