

Fingerprint : **aae733499f9db8cffa0eed943ff3f199442819fc720e611d4637ac9df618cfbc**

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

NXT Certificate

On **2022-06-16 04:36:28** UTC the #NXT# blockchain forged the block : **4040329**

It contains the transaction : **1878273637116537134** which contains the following arbitrary message:

aae733499f9db8cffa0eed943ff3f199442819fc720e611d4637ac9df618cfbc

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 : **2022-06-16 04:36:28** UTC.

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

Bitcoin Certificate

On **2022-06-17 02:21:36** UTC the #Bitcoin# blockchain mined the block : **741107**

It contains the transaction : **b4cfd1d17098ac1327631a96dc8b5f3cd8264223e26b0b85ed5bbc2dacba151** which contains the following OP_RETURN message:

cfd58ad00cc0f6ab2e46529ffad8a19ce0f4fb13e97427c89f72fc63848fa6f6

This string is the result of the following formula :

H(H(H(Fi+a)+b)+c)

where:

H is the cryptographic hash function SHA256,

+ is the string concatenation symbol,

Fi is the above mentioned document fingerprint,

a is d2938d2da6a1ffcb12f74c3970ed85334c6ceee15b98578086572be7e4d8218e

b is 996dd9c4a2952d1481e93ed06f2d3453e023029feef057270e99a4f8b098f36a

c is 0321ee71de7abab772019cd62a50f926efdc2ef0ebbce15333fe989b35aa177c

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 : **2022-06-17 02:21:36** UTC.

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