

Fingerprint : 29bf27f6391eab4dd6904ff4d72558d3578cdfda36eaa7e77cb841586a209c89

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

NXT Certificate

On **2022-03-30 04:59:18** UTC the #NXT# blockchain forged the block : **3923838**

It contains the transaction : **16459631508174259766** which contains the following arbitrary message:

29bf27f6391eab4dd6904ff4d72558d3578cdfda36eaa7e77cb841586a209c89

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 : **2022-03-30 04:59:18** UTC.

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

Bitcoin Certificate

On **2022-03-31 14:27:58** UTC the #Bitcoin# blockchain mined the block : **729838**

It contains the transaction : **2219de46fd98b36b1ecaa602447a047296bc4cb75689671222ab766243cc740e** which contains the following OP_RETURN message:

00b0b310beef1308dec3de4308681269efadcf82a7607afdf4fa90c383b5df1c

This string is the result of the following formula :

$H(H(Fi+a)+b)$

where:

H is the cryptographic hash function SHA256,

+ is the string concatenation symbol,

Fi is the above mentioned document fingerprint,

a is 0a909895329ee930c24553e74dc9ca4dbcedc9808aee9b08f07a88034fbd5a9e

b is 3b7546ed79e3e5a7907381b093c5a182cbf364c5dd0443dfa956c8cca271cc33

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 : **2022-03-31 14:27:58** UTC.

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