



Hedera™ Hashgraph

Certificate of Blockchain Proof

Powered by **Proven**^{DB}

hh-hbar-coin-economics-paper-060320-v6.pdf

Hedera Hashgraph (email user: contact@hedera.com)

This certificate constitutes proof that a document has been anchored to a Blockchain using the Hedera Hashgraph Protocol on [Thu, 25 Mar 2021 09:42:17 GMT](#) 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://app.provodb.com/app/document/share/ead78805195a6c08058175811b51bdfab202de40f725102e4584c1ead3bc6def06af509a02e4ba22a9053ebe2942da1efad1a505ba403377e1ec04ec800c9f5cad7445819ae33e09a8a51b988fcecbb7417689bc21a8733b481200b9b0b25fba9c2c3baa9ac154620309bc2432b776c28bbc688f4eacef67ab789b4beb236779ee9a9604186071dc8cb71a20a54bb/compliance>



Details of the document being proved

The document was uploaded by Hedera Hashgraph (email user: contact@hedera.com) at *Thu, 25 Mar 2021 09:42:14 GMT*

The document name when hashed was "*hh-hbar-coin-economics-paper-060320-v6.pdf*"

You can view a copy of this document [here](#)
(permissions may be required to view the document)

The cryptographic hash of the document is:
88dac0c1f32767693c85a283414397d83986dab13fdff92b1e15d48d6253fe19

See *Schedule 1* for details of the hashing algorithm employed.

Blockchain proof details

The document hash was included within the [Hedera Hashgraph](#) proof at
<https://explorer.kabuto.sh/mainnet/transaction/d2aff96227ba212ddf87073971878d281cd15e92a6a17e7002c3afb9b71d955bb0bc49c22bd531056e8f950908ea849>

See *Schedule 2* for a detailed cryptographic proof.

The Hedera Hashgraph proof was anchored to the Blockchain in transaction
d2aff96227ba212ddf87073971878d281cd15e92a6a17e7002c3afb9b71d955bb0bc49c22bd531056e8f950908ea849 at: *Thu, 25 Mar 2021 09:42:17 GMT*

Summary

The document *hh-hbar-coin-economics-paper-060320-v6.pdf* with hash value *88dac0c1f32767693c85a283414397d83986dab13fdff92b1e15d48d6253fe19* was anchored to the Hedera Hashgraph Blockchain by Hedera Hashgraph (email user: contact@hedera.com) at: *Thu, 25 Mar 2021 09:42:17 GMT*. 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 `88dac0c1f32767693c85a283414397d83986dab13fdff92b1e15d48d6253fe19` was obtained by performing a [SHA-2 256 bit](#) hash on the document [here](#) (permission may be required to view this document).

The hash was calculated on the document and its metadata as stored in the ProvenDB system.

You can download a copy of the document and its metadata (permissions required) [here](#). You can independently validate the document proof by using the open source validation tool at <https://app.provencdb.com/homepage/downloads>.

Schedule 2: Hedera Hashgraph proof

The Hedera Hashgraph proof uses a Trie structure 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 Hedera Hashgraph proof proves that the hash value of

`88dac0c1f32767693c85a283414397d83986dab13fdff92b1e15d48d6253fe19`

is associated with the root hash placed on the Hedera Hashgraph Blockchain in transaction

<https://explorer.kabuto.sh/mainnet/transaction/d2aff96227ba212ddf87073971878d281cd15e92a6a17e7002c3afb9b71d955bb0bc49c22bd531056e8f950908ea849>

This proof can be downloaded (permissions required) [here](#)

Below is a binary representation of the Blockchain proof

```
eJy0LL2OXEUQhV+FgHR2qqp/a60VeAUikqH+mnrnSeu5o5trgcE1Cug7JwltsECJChLzHvA2aHbCAF RKJ0+rur7rrnNPf/
LaV43ZzfK7PpmUJ3+xmj40svxlQriCtqHwKfJ3pGttnPz/unXxj8yFOH7sAJSu2ss5lhRi8kkRjRUIS5GoW+d/488n/wr/Tg+xsG8fXr364FY3bX/
auG59tc1I4M++P3959d3u6UWZKtUAKi8JAGKZA3HPtA9xaUdCcm7iL+cBam+ZkULVrBSr97vt5//a4IRVV
+ggcRtJ9mGoenV1cLTi4cRrsHhCplWAotdfGENITqAIMxdJaz0+BSdOAxMVSaVwCBFWopxytai4ZM2JvoJ0kRaqUAZGdKqRhTgLICbCHDyUaf+RVL
+11HAu7C3JJg6Jlty4tgxK0ymZWIMwCAXt9AmRIDkQd0YO1juxJI0skx4GsCWgINVYwZDMcHKI4KVhawpoS/h346izN/d3bs0rz4Xj/9cPych9vTG5/
vJQ2k58+d5lxuBI1FUJyH71BS9ywt+7U0RxlMEkVbNEAyJIMddaGzqWoglpml1lvCaHU6IMLMPSQnvnH+WE63p9eb5dlf7xery+tr/
aHeR6it3E1zesXcZjGy/U2PA6yeSbTbhfL+kPf7GLn00dnP/+z9ebP+Vwc/u7G5t0SXY2///WGL9PkV/Phi7VtZdrt52m3rF+kx/H
+9Mn70sM5Zaeb3l0MDEeiVlviZL08ug5z4uY9ca8uimn4GEyKgcVz90oljUB+n+/zJ/D/8v1HAAAA//87mmQn
```

Schedule 3: List of printable links in the document

Document being proven:

<https://app.provendb.com/app/document/share/1755441ad34348b778d8a0631a65fe46d6eaa11801f35366c80ff83617cb43888eb64ce874399a92e0451fff30c5c5f6069f3a7a8b3f0ab28ff031d2b963096167ca176c6ba4430923dc8cb4fc9fb0e8c3dc23a1a817ce7eece22b581472ed97757eef0383c761bc3d68a2a95b03586e9e1428540aa285adc2bb8222ae4920a12fb7097c684ce9d54f0c9d0351f895/compliance>

Hedera Hashgraph

<https://www.hedera.com/>

Blockchain transaction:

[d2aff96227ba212ddf87073971878d281cd15e92a6a17e7002c3afbd9b71d955bb0bc49c22bd531056e8f950908ea849](https://app.provendb.com/app/transaction/share/d2aff96227ba212ddf87073971878d281cd15e92a6a17e7002c3afbd9b71d955bb0bc49c22bd531056e8f950908ea849)

Open source validation tool:

<https://app.provendb.com/homepage/downloads>