



Certificate of Blockchain Proof

Terrapass Certificate Q4 2021.pdf

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

This certificate constitutes proof that a document has been anchored to a Blockchain using the Hedera Hashgraph Protocol on [Wed, 14 Sep 2022 23:34:41 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.provendb.com/cv/c1770-6320eefe169fdc3097cef01b-ufqyx3mjgvp3baul14ck7jsy-466554/cv2>



Details of the document being proved

The document was uploaded by Hedera Hashgraph (email user: docusign@hedera.com) at Tue, 13 Sep 2022 20:58:38 GMT

The document name when hashed was "Terrapass Certificate Q4 2021.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:
`e5f39e4151d5ee2285b37f33aabfe18edf89ff3c2e389fedac4a22fbdbd17fa1`

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://app.dragonglass.me/hedera/search?q=e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57>

See Schedule 2 for a detailed cryptographic proof.

The Hedera Hashgraph proof was anchored to the Blockchain in transaction [e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57](https://app.dragonglass.me/hedera/search?q=e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57) at: Wed, 14 Sep 2022 23:34:41 GMT

Summary

The document *Terrapass Certificate Q4 2021.pdf* with hash value `e5f39e4151d5ee2285b37f33aabfe18edf89ff3c2e389fedac4a22fbdbd17fa1` was anchored to the Hedera Hashgraph Blockchain by Hedera Hashgraph (email user: docusign@hedera.com) at : Wed, 14 Sep 2022 23:34:41 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 `e5f39e4151d5ee2285b37f33aabfe18edf89ff3c2e389fedac4a22fbd17fa1` 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

`e5f39e4151d5ee2285b37f33aabfe18edf89ff3c2e389fedac4a22fbd17fa1`

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

<https://app.dragonglass.me/hedera/search?q=e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57>

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

Below is a binary representation of the Blockchain proof

```
eJy0lb+OZfKNxnkQAglSvna/Yx9PNBKvQETS2D4+dEmzXa3q2oUNBxLS2TeAHbQLQkSlkPdoiYdBNb2sGEokSITX9/p3v+/Y+s5v/3wft/
d3h3X3cFz9/OMVQFyjbmr6uEFsvwmmfUNB0bSyquVvH1uePs/PDudzv3TexfmvBEQ34DcoPyV+zf.Ja8Gff4+t4+h/xl87/hv82T/
FQ9/301a//8Day3/7lceXd0tbdy4uvj49P//jBD9/97u3zG5uFQARc08.JhBcEW9sHES2wXjxhLN6PPbR0UyIWsSDwE1+x3vz8+fvN0Hzc09CNQPSvVN
YcsEV8EPoUqWUFGsu0KhrInGcY6GaDsuZa6MVokXAEIfFlmbyvjnLgAZcXURpUCDdvTs8YYaw/ZY0HnzC4p9CXA
+1Pg6fKNWwhCTJ1Fji6FkDiHExnnGFoKTYqsoYsXm6onUK
+9Fk4CvVJIWjHFnl25BAzHzCIBtFGk.JpY0ZAYGNcR9LhaRqdmuhr4WXQEbJvX22iTpDTiltHX0TRNMOGShm+wCkAIVFLO3bpbD293YriwTT8DYsZc
NCUjtjWEZybrHMOo9NZQaY0cUGoNEVS7uuXdxJgEXeGyJWog5oTAXM8n3QBjUS0SnkkmNdfcOGTzJxVr8hXxl2VUs1Pc0QvaYY88kU15eu7hY5p
CplzLHRkZWyp1mK/hlnwFBOXWEJOYALgJEoJMaTanOo6CDeC02C8PY2GuzhLKSzateQXk3XPSQhIzwxBz4wVSKWLqiKtpy07MGIGJW9dWX0vb
wZULxhUwzSpSRIVxMkxEGklw96g5uPQib4g03TnZopf3mASzvCMz/Woom6bvHntEDG5sJk1e0yhIB00GuY5WtbEGdGvsy1l6loGI/
qfCy5TLMnozBjMzlkKxQURi8ES3aNTL0CoZhuZeDaEbBrqiD+5PgN9F0fOPLI036tPcfZHB4e+nx3CaXj6d/S6f27b15qT+9/8+H85WN/
XfiH2j999dljPP28zXrJlai3ulogyqqQmpF0bPNSbk7CmLIR0osbyZWbSqHv.JjCzK1bY/TgdE2JjMqDuGffj8dHh6//zV/
fn8+PT69vbl168eT8fjinzbrw7H2y/6dNhf3n7q5fb/rezbN3V8OPevzn//I7Zf8mG90p5+cVv3cXh4PB4ezrdf8Mdj
+9NPvi99uFwgz296bPYWHLhGN9EcybaZI3I3zl57+t5c1HxZphUIQbRz5ULbgf8MAAD//2AzQRE=
```

Schedule 3: List of printable links in the document

Document being proven:

<https://app.provencdb.com/cv/c1770-6320eefe169fdc3097cef01b-ufqyx3mjgvp3baul14ck7jsy-466554/cv2>

Hedera Hashgraph

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

Blockchain transaction:

[e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57](https://www.hedera.com/blockchain/transaction/e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57)

Open source validation tool:

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