



Hedera™ Hashgraph

Certificate of Blockchain Proof

Powered by **Proven^{DB}**

public-report-final-2021-02-08.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 [Tue, 09 Feb 2021 09:21:35 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.provencdb.com/app/document/share/cea85203854329452ae9b548092e098a8197b54a084b5adbf4e851d319b90aa06293e9b5238123ae4bd44963a5ae86c6b89087b2d57f304da490a296b30ff44d76c81db88199360e6c39dfa1a1d4178bfb81f57dd8d8187c683fb4620359fa10c63dff0940dfde14720272e74827381c3bd406582ce36ebce412d77b0f7d8ab2754da0d0a182ab230d91145f6cd472/compliance>



Details of the document being proved

The document was uploaded by Hedera Hashgraph (email user: contact@hedera.com) at Tue, 09 Feb 2021 09:21:33 GMT

The document name when hashed was "public-report-final-2021-02-08.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:
46fd83b7605b99d42e3e16e8fff4d570f45bf83990f430028d1738f85425bcea

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/79fd76baea1963b161be75eb2414afb5d24e8fa729ee4045428a75e52cce883bb37ed0dc2b92502df4b269ca1c594af0>

See Schedule 2 for a detailed cryptographic proof.

The Hedera Hashgraph proof was anchored to the Blockchain in transaction [79fd76baea1963b161be75eb2414afb5d24e8fa729ee4045428a75e52cce883bb37ed0dc2b92502df4b269ca1c594af0](https://explorer.kabuto.sh/mainnet/transaction/79fd76baea1963b161be75eb2414afb5d24e8fa729ee4045428a75e52cce883bb37ed0dc2b92502df4b269ca1c594af0) at: Tue, 09 Feb 2021 09:21:35 GMT

Summary

The document *public-report-final-2021-02-08.pdf* with hash value 46fd83b7605b99d42e3e16e8fff4d570f45bf83990f430028d1738f85425bcea was anchored to the Hedera Hashgraph Blockchain by Hedera Hashgraph (email user: contact@hedera.com) at: Tue, 09 Feb 2021 09:21:35 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 [46fd83b7605b99d42e3e16e8fff4d570f45bf83990f430028d1738f85425bcea](#) 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

[46fd83b7605b99d42e3e16e8fff4d570f45bf83990f430028d1738f85425bcea](#)

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

<https://explorer.kabuto.sh/mainnet/transaction/79fd76baea1963b161be75eb2414afb5d24e8fa729ee4045428a75e52cce883bb37ed0dc2b92502df4b269ca1c594af0>

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

Below is a binary representation of the Blockchain proof

```
eJy0LL2020UUxXkIH0CC1vHM/ZiZm2oIXoGKxtyvwZY2tmU7gZSBhnbzBpBFCQhRIUrewxIPg3Y3RlksGiTa+/+f35w7o30+/3Wtx/  
VqEyvfHfL8aWgBdPaFD+FFrSkLRZgLUNCCEMPekP+4lx6f2ZHM65YNypaffoUBdFFgU+bzly6iPkb94Ywfd+jqPL7/96Votr3/bh61i56uHD692++NfH33  
84ofr8xUkhmloEXQZPEFVzGcFFWlZvIN0VKcmibNmIVKqWGmsWELqvPhxt399XOsCuN0DyVyLpDeSzkBM0UZpUZWidEeWwqiOioMQcUTMHF46U  
Cku6XIBIJRAEatkWJtUqAlaWLUWcWwwFToYsWruNcpiRzMITvWhlgvgMo0DWaFUsyyN50aTWyYVqSgxIKsNx+cpVHV0XGgdG8Tlis2+BB40F9xiB  
Wd6oloAHNQjV6IVJ7mnRFzmA6ojUfPYVWtFtAxetYmEHYBtFTLViS6hk7tPWTA0xI0HUvQ1iaxcwupBFJHprTQ3pmiNMFsLbuVRromKIUTTODonJ  
6tAY9nHuGlfCcXC2gq/RSjMXcKPHSIQ7zCcNGOETvTn2gzBk+m/IAZwZg50G1RDEKMG5cg4EGGc928Sg5inVAA5YROBKGs3pBm6N0agZUex2jyB  
zWA6yxUVSi2WrT6HrpFKEqrdpWKabTJTgMnrzNjxMQyKdnSpYp4KuqNRUKvMgi/I+8G2Mzp/  
c5WidkQddPdHNDpun1V2gdof3knXz4vXD7Hjz3e3p+T5fuV7//  
Pa3TZy/7DKjN9PUKg2ttmrZ0e9WJJ3GAZRjagfJpEJMMLRzMrjnGGiGPa0EgwlwZhk0MS1OgvpLLdPD5vjzfnl  
+nTaHx8vIw9HP9ofdrupdp2PNrvlszxs5vPlh7ss/29nb658tz3IN6c///H2NW7i0e7w1dLXutnud5vtafkm76/tl8/  
ejW7vyu98RW3GQOutsIkEQWLWImPOScG9TGKbA0XKJCwFrtSOYw4mYPPUd7W73cV/rN075b/V7t8BAAD//0+U5lc=
```

Schedule 3: List of printable links in the document

Document being proven:

<https://app.provencdb.com/app/document/share/3551d1007674eb2967c535f698beda3ef0c1088e402b981a7284201e98d93229f408b970d8c94a4f279c10f82bac211cf34b1573d07378c2177fd5aed3a6bd37d069496736540063b4f46e72f42bc7f51d7b20c2e1324524679b82df5610c34b2677ed9412127e93760ea794e67abe5aedb92482cf1e6e28b412198b2437b12c66933c536d0e69d7a919191e6fc11a/compliance>

Hedera Hashgraph

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

Blockchain transaction:

[79fd76baea1963b161be75eb2414afb5d24e8fa729ee4045428a75e52cce883bb37ed0dc2b92502df4b269ca1c594af0](https://www.hedera.com/blockchain/transaction/79fd76baea1963b161be75eb2414afb5d24e8fa729ee4045428a75e52cce883bb37ed0dc2b92502df4b269ca1c594af0)

Open source validation tool:

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