



Hedera™ Hashgraph

Certificate of Blockchain Proof

Powered by **Proven**^{DB}

hh_llc-agreement_20201210.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 [Mon, 21 Dec 2020 12:52:56 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/2faa70c1989d7ea49562f0b7e6f4d93777b3fd0a40ed54afb41312e34308830b3e7f4ccbbedb3a9c944f0dfb90691ec2674065f513001dae976aa5b83532bcff3d7e7f1866f9cec5b7970228606ddeb40c3ceee93ea74ee556586f814645c4c7c8cb198c96373dbb28a5d03038461d7dec85bbf8c384974600aa4c86f36fa232b5f17fccf6713352b1c5b65fb8860/compliance>



Details of the document being proved

The document was uploaded by Hedera Hashgraph (email user: contact@hedera.com) at [Mon, 21 Dec 2020 12:52:53 GMT](#)

The document name when hashed was "hh_llc-agreement_20201210.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:
72eea9d0488d3099df15047a41e336871377a12c094ea764323c7410e9a0168b

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/1e0b076a3f05a64f5591a7397a0563a2417aad93f701a28f9eec7c2ae3b3360441657542eeb36f40081fa0bf793513b9>

See [Schedule 2](#) for a detailed cryptographic proof.

The Hedera Hashgraph proof was anchored to the Blockchain in transaction [1e0b076a3f05a64f5591a7397a0563a2417aad93f701a28f9eec7c2ae3b3360441657542eeb36f40081fa0bf793513b9](#) at: [Mon, 21 Dec 2020 12:52:56 GMT](#)

Summary

The document *hh_llc-agreement_20201210.pdf* with hash value *72eea9d0488d3099df15047a41e336871377a12c094ea764323c7410e9a0168b* was anchored to the Hedera Hashgraph Blockchain by Hedera Hashgraph (email user: contact@hedera.com) at: [Mon, 21 Dec 2020 12:52:56 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 `72eea9d0488d3099df15047a41e336871377a12c094ea764323c7410e9a0168b` 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

`72eea9d0488d3099df15047a41e336871377a12c094ea764323c7410e9a0168b`

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

<https://explorer.kabuto.sh/mainnet/transaction/1e0b076a3f05a64f5591a7397a0563a2417aad93f701a28f9eec7c2ae3b3360441657542eeb36f40081fa0bf793513b9>

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

Below is a binary representation of the Blockchain proof

```
eJy0IMGu20UPxb+n+NYS2KYZ22N7pqsr8Qqs2ATP2CaRbpMoSQtdXtiwbd+gtKgFIVaJe8RiYdBaUvFJUJiw9b///
zGHp9zvv11bcf16vh4PNqcTuGruTvEyK6/YMGyAFwgfAr4kPEhy2dvxsG2cx3H519/f2sjbn/e
+1j5bq7efXi52x9//9//717cnm9gJgiKDI8228TaLD06dQGV3qsPKkMnZNNmyVonCbYsPUitBN59t9u/
Pq5tgSx3Lw7nm9YdHbFKJhpGaRozQcTQMcv6i5lWsA0HpDI68wST3lt3Bag
+7gNvzsesQjEhRlpkGwWBRxXuKESUrQrEoMojaeYeaFZayaFAs6KyyhUQkSWl6xBL5hB09F6jmntrfRIQs7iQT+5szWJmR5MC2NCgxtXISK2ApaUrVy
tDIsF02CBJZsXlJiYYpeRoFZmxilQnJ4oMGFFAWsFAM3foJCOTGzf0oIV6HZXdMiyAOGCQKE6v2iqAZxaScL0CCpXWsndP06RhCmVUpbQCXkRn42
5p3EE0mhx1tKFZuXBiOUaeNHGnAMrwrURsTmg4PEWkas8OpZsPwUYpyKOxUsFJlJdJBtcj2yQpQpbGww4xZrIIPBekbQGgfbIMainIA5pUPqMWjjo
ok2Do9ZYBVYHHaMKzDmsmbJjVNaXVPqld
+ournagMOKDpSWkhHsVx0WnC2HzJjMVoVBZ4RK93rRbQkCkyGYOVvjGJ0IKT3roLRs95fy3pfny7GXIfHwVaPbLPdxml1ceju8BerPrt7/
a52fPbNq9PTfbycdvD+982fv4cooyiYpSFTWoydzClrIZyLCCmnmn1AKGLXvE1IkWNlik1ArCyhUjLoqtpTRIKyO1EwON/
urxYXN8dn6+Pp32x4fL5burH+wPu13aul0Hm93ySRw2+XR5f5blf93Zm5u5257iq9Nvf/b2JW38we7wxXKubbPd7zbb0/
IJvX22Hz/5UHp1SdPzjWKEdS+1NafSuydwqWoVgkiaAqka4Cy9hqIUQppaoUS3AtLGT29DeeOr7c7j/
LFbQz08F7N1XgBEXxhLtDQAn3MGfXvOX45+U85/gF/Cft/h/8jAAD//44d9cE=
```

Schedule 3: List of printable links in the document

Document being proven:

<https://app.provencdb.com/app/document/share/0909d5be2668bfaedad316f91717e4db920544dc81feba1820f6a1462741a85b2a1b339982f467462d3023b13e86e2ca1b660d8f8e0c717396221c44e1a38c124c8a32b7043eb72e3b1915c38ea44ebe16fdf8f775aa5762ba3edc93ec86af34b7e7d8771af47827748d339811aed01e1142ea0963332d77c844f666b3c57be531eef6348ccbb939aeb595dbd79e15/compliance>

Hedera Hashgraph

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

Blockchain transaction:

[1e0b076a3f05a64f5591a7397a0563a2417aad93f701a28f9eec7c2ae3b3360441657542eeb36f40081fa0bf793513b9](https://www.hedera.com/blockchain/transaction/1e0b076a3f05a64f5591a7397a0563a2417aad93f701a28f9eec7c2ae3b3360441657542eeb36f40081fa0bf793513b9)

Open source validation tool:

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