DMetaContract: Decentralized Meta Contract

DMetaHash: Base64 53-bit Hash

Contract to hash:

I bearing hash FmpRZ9eUgw== commit USD10 weekly as prize money for DMeta Contests.

DMetaHash

DMetaHash of Contract:

A7nxSnIodg==

DMC3 Triplets:

A7nxSnIodg== FmpRZ9eUgw CRUChTxBsg==

DMC3

ROOT

Root Hash (Hash of All Hashes):

EEWVLnlEtQ==

Decentralized Meta Contract (DMetaContract, DMC) is arguably the simplest smart contract ever invented.

The simplest form of DMC consists of THREE (3) DMetaHashes, which are collectively known as DMC3 or DMC Triplets:

- DMetaHash of the Public Key of Party A
- DMetaHash of the Public Key of Party B
- DMetaHash of the Contract texts (as shown above)

DMetaHash is a 53-bit integer hash encoded in Base64 string.

Users may enter the Contract text in the top left text box above and press the DMetaHash button to generate the Contract Contents Hash, OR enter the following in browser console to verify the DMetaHash function for themselves:

- `bnToB64(cyrb53($('#input2').val()))`
- `bnToB64(cyrb53('anystring'))`

The public keys of Party A and B are shown below. Users may press the HPBKA and HPBKB buttons to generate the hash of the public keys.

Next, the user may press the DMC3 button to copy the DMC3 Triplets, then ROOT to generate the Root Hash --- hash of DMC3 Triplets.

Finally, the user may go to the end of this page, click on the Readable button to generate a copy of Human Readable DMC.

Party A

HPBKA

DMetaHash of Public Key A:

FmpRZ9eUgw

Key Size 1024 bit

Generate New Keys

Generated in 272 ms

Async

Private Key

```
-----BEGIN RSA PRIVATE KEY-----
MIICXQIBAAKBgQCGTWXiWqvBOtObTjZkHJs37FDoaWYUcaVD/MXICajwkyV7pGmb
f9UkXoukSA/3yIa12KY6oixoUFe79nECmbclvd+X1k1lWB6kAo4tzlUIu077nKda
zVLzDKuuf3GjN5ueRTlCRkCWtX1438YUSpI4O0kk4ArTQjqvO4VjbxdjswIDAQAB
AoGADr2F9i8PdNjZCs2tyJUfMCcexjNzQcEra2fd7IJ/6U+tKIHmGWwRX7mEyBYk
soRuzJynuf28tAJFbtrgknF+mVpLhfMub7DjO0qGnBfKo/nlO1QnetIIHEXsimza
733/YGXJLhBKngnziHkG0tVBNCgcw8UJoLFCpl2G4pRnlYECQQD6hIjm9O1lY89j
S6rTbf8Ha+/GvqGJK+9Hozrp0paEpJYQgkY0KezkWlTYdaEOAM09LxoX3pGqkAcV
S0EXMlNzAkEAiT3LZTTY63jgKXW9TE6Buq1eSMPso+RzRbvQP0RIR4Xge0T+pub/
EhrDD6G+OOakSA+VMvb8w9t/9jUBYGUewQJBAMZVGUGoFS5ZF75oEIU1J1wL0xgI
okDEHLsdeq3VgD7hQsEtMkFoE9kxvsxkTC6W6eYPnVvaZH6hakosewrPWAsCQHvC
+hS+X4+ZZax9vMN/WlXbqda8uD3j2f/cqqMjFHtLQ3Bme65PSV4uPBFwrnXpp+RE
CSv4h2CoJPEGQ8OF7QECQQC7tKPkY058zW6Ds7c4steYFD2zuTDNSAT+seeypHsl
JEn20Zwkj4//D3ZgmoWfK/WbjnUjqQmdLogoGxktTngJ
-----END RSA PRIVATE KEY-----
```

Public Key

```
-----BEGIN PUBLIC KEY-----
MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCGTWXiWqvBOtObTjZkHJs37FDo
aWYUcaVD/MXICajwkyV7pGmbf9UkXoukSA/3yIa12KY6oixoUFe79nECmbclvd+X
1k1lWB6kAo4tzlUIu077nKdazVLzDKuuf3GjN5ueRTlCRkCWtX1438YUSpI4O0kk
4ArTQjqvO4VjbxdjswIDAQAB
-----END PUBLIC KEY-----
```

Text to encrypt:

This is a test!

Encrypt / Decrypt

Encrypted:

Party B

HPBKB

DMetaHash of Public Key B:

CRUChTxBsg==

Key Size 1024 bit

Generate New Keys

Generated in 102 ms

Async

Private Key

Public Key

Text to encrypt:

This is a test!

Encrypt / Decrypt

Encrypted:

Human Readable DMC

Readable

On this day
Sat Aug 19 2023 13:33:48 GMT+0100 (British Summer Time),
Party A Demitri, having public key hash FmpRZ9eUgw
and
Party B Liang, having public key hash CRUChTxBsg==
have agreed on a Decentralized Meta Contract
bearing hash A7nxSnIodg==

ROOT Hash: EEWVLnlEtQ==