

Forum:[Hack Forums](#)

Thread: [\[Showcase\] String encryption using Images](#)

TheBarret - April 26, 2014, 11:49 am

One of the threads ive seen had a barcode project wich was nice btw , no offense.

However i was inspired to make some kind of image level encryption from text with that concept, same as QR code does, but my idea was to implement a chartable key set that can be easily loaded with

a serialized object methods wich are and will be randomized on demand,
each character has a 10bits binary sequence that i would translate back into black or white.
If you draw that correctly you can see how this will unfold.

I made a prototype and it seems to work but it has still some issues with size and all that, if its done i will release it.

So whats usefull about this, you got a small image that contains an encrypted message and you need the correct chartable keyset to decrypt it this file can be shared on both sides and all you do is send the image over, wich can be done easily,
at the moment it can hold up to 255 characters. ill see if i can pump that value further.

The repeated pattern you see under the actually message is (not yet entirely finished) the EOF flag so the reader knows, alright thats it pack up and show the user, flag.

Any feedback would be welcomed ?

- Barret

Little side note,

This would be freaking funny if the image would be the key of an archive and the charset key can be bought or something thru a survey XD

ps. I have no idea whoever said that i was french, he is wrong, im dutch for fuck sake ?

·Evolved· - April 26, 2014, 11:52 am

Looks interesting. If you want to take this further, steganography would be a cool step. Hide the message in an image.

TheBarret - April 26, 2014, 11:53 am

(Apr 26, 2014 11:52 AM)·Evolved· Wrote: [\[CITE\]](#) Looks interesting. If you want to take this further, steganography would be a cool step. Hide the message in an image.

Yeah that was the correct name for it, steganography , toally forget that this concept has a name actually. lol thanks for that!

SIM-1456245 - April 26, 2014, 2:59 pm

Impressive as always. This is actually a pretty good idea. It can be used in numerous of different

scenarios. Well done.

Hoody - April 26, 2014, 7:52 pm

Wow this is a great idea. I made this with your concept

Spoiler ([Click to View](#))

its used rc4 encryption. not tables :(

but instead of black and white it uses colors. Which allows for alot more storage. 1 pixel stores 3 bytes. The image is sized according to the input size. $64 \times 64 \times 3 = 12288$ bytes.

Really great idea. Thanks for giving me something to do.

TheBarret - April 26, 2014, 8:06 pm

(Apr 26, 2014 07:52 PM)Hoody Wrote: ([CITE](#)) Wow this is a great idea. I made this with your concept

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Cool mate ^^ im still tinkering with mine tho.

I use a chartable , does yours also keep the crlf's in place?

Hoody - April 26, 2014, 8:31 pm

(Apr 26, 2014 08:06 PM)TheBarret Wrote: ([CITE](#)) Cool mate ^^ im still tinkering with mine tho.

I use a chartable , does yours also keep the crlf's in place?

It should. Mine just pumps the string to the right size with chr(0) then rc4.

MalwareMop - April 26, 2014, 9:02 pm

Absolutely fantastic, this is actually something I'd love to look over. Always love your work Barret.

TRH4CK - April 26, 2014, 9:07 pm

Fantastic xD I have never seen something like this before .. Looks very nice and interesting xD

Blixuk - April 26, 2014, 9:30 pm

This would be awesome for an encrypted chat. Like each user in the chat needs the same key or

each user must exchange keys to read the messages.

You pick your key, give it to the other person and then you type your message it encrypts it sends the image

decrypts it at the other side so long as the other use has the right key.

Then it would store the message and delete the image. leaving no trace and nothing to intercept in between.

Just an idea.

0xDEAD10CC - April 26, 2014, 11:47 pm

Something like this was posted before on these forums a while back already. Can't remember if it was or not, but I believe it was ubbeLol or 0xDEADEAD.

TheBarret - April 27, 2014, 8:04 am

Ok ive been tinkering alote, this is how far ive come;

- User can change colors
- Message can be large but is limit to the boundaries
- Aes Encryption where the user can set key
- Default characters supported (UTF8)

Who wants to give it a try? :)

Master-Coder - April 27, 2014, 9:29 am

(Apr 27, 2014 08:04 AM)TheBarret Wrote: [\[CITE\]](#) Ok ive been tinkering alote, this is how far ive come;

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Who wants to give it a try? :)

Nice Job TheBarret

I Would love to try this :)