

Forum:[Hack Forums](#)

Thread: [Steganography Tutorial - Hide Message Within Sound File](#)

Blockonome - October 25, 2020, 8:58 am

Steganography Tutorial - Hide Message Within Sound File

Dear HF,

Not sure how many knows Steganography, but it is a creative and funny way to hide different kind of messages within different files. In this specific tutorial, we will focus on hiding a message within a sound file. For this tutorial, you will need 2x software and then a picture file of your message.

Steganography Definition:

/steg?'n?gr?fl/

noun: steganography

the practice of concealing messages or information within other non-secret text or data.

1. Download Software and Make Message as Picture File:

You're going to need Coagula (Windows-only), and to decode you'll need Sonic Visualizer (Windows/Mac OS X/Linux). After that, you need to create your message file as a picture .jpg or .png.

Spoiler [\(Click to View\)](#)

2. Encode your Picture Message into a sound file:

Follow the instructions in the GIF. Basically we are taking the Picture file and rendering it as a sound file. This gives us the encoded file, where if you open it, it will play as a sounds and not display the message. You can open the file, in order to hear the sound message, it is a bit funny.

Spoiler [\(Click to View\)](#)

3. How to decode your message:

In order to decode your message, you will use Sonic Visualizer, import the sound file into the program and go to "Layer" where you can add spectrogram for all channels. What this does is revealing the message that you had hidden.

Spoiler [\(Click to View\)](#)

There you have it. The power to encode a picture message within a sound file and how to decode it. Congratulations in your journey of Steganography.

MarvinMalware - October 25, 2020, 9:26 am

This is quite interesting, love seeing knowledge shared on here and this is definitely unique.

Silkroad - October 25, 2020, 9:32 am

Hey this is actually very interesting.

This is the kind of tutorial I love seeing on here, thanks for sharing [Blockonome](#)

Blockonome - October 26, 2020, 3:35 am

(Oct 25, 2020 09:32 AM)Adidas Wrote: [\[CITE\]](#) Hey this is actually very interesting.

This is the kind of tutorial I love seeing on here, thanks for sharing [Blockonome](#)

Thank you bro, there will be more to come in the future, that is for sure! Hunting down the Hack Tutorial award when I have time :D

Cooligan - December 13, 2020, 1:32 pm

Great tutorial [Blockonome](#) , very informative and quite interesting as well.

Curiosity question: If someone were to encode the sound file with an image using a different software other than Sonic Visualizer, would using SV still work to decode that sound file?

VEESZAC - December 16, 2020, 7:36 am

This is cool. I don't see a use for this with anything I currently do, but it's neat to know. Thanks for sharing!

SerotoninMaster - February 7, 2021, 1:56 pm

Honestly, just came across this thread and I am truly amazed by this and I appreciate you sharing this with myself and everyone here on Hack Forums. This truly is something I can go on to be trying, working on and mastering as the years go by. I mean to see this in action was kind of mind blowing as I have heard about this but never really dug into it and I believe I am going to start. Thanks for this share.

Blockonome - February 7, 2021, 2:55 pm

(Feb 7, 2021 02:56 PM)SerotoninMaster Wrote: [\[CITE\]](#) Honestly, just came across this thread and I am truly amazed by this and I appreciate you sharing this with myself and everyone here on Hack Forums. This truly is something I can go on to be trying, working on and mastering as the years go by. I mean to see this in action was kind of mind blowing as I have heard about this but never really dug into it and I believe I am going to start. Thanks for this share.

Thank you bro, I appreciate it, there will be more Steganography tutorials on the way, I have just been too busy!

Twisterzzz - February 8, 2021, 8:46 pm

(Oct 25, 2020 08:58 AM)????? Wrote: [\[CITE\]](#) Steganography Tutorial - Hide Message Within Sound File

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Is it possible to have the hidden image/sound over another sound like music so when you decode it the image still shows

Blockonome - February 22, 2021, 12:06 pm

(Feb 8, 2021 09:46 PM)TwisterzzZ Wrote: [\[CITE\]](#) Is it possible to have the hidden image/sound over another sound like music so when you decode it the image still shows

I have no idea what you are asking me about here, could you please try to specify your question a bit better?

TwisterzzZ - February 22, 2021, 3:42 pm

(Feb 22, 2021 01:06 PM)????? Wrote: [\[CITE\]](#) I have no idea what you are asking me about here, could you please try to specify your question a bit better?

So once you have finished your tutorial and you have your sound is it possible to put that track in with music so the weird noise cant be heard then still get the image?