

Steganography

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Audio Steganography



Audio steganography is an approach of hiding information within an audio signal. As data is embedded in the signal, it gets changed. This modification should be create indistinguishable to the human ear.

Image can also be taken as a medium but audio steganography is more impressive because of the features of Human Auditory System (HAS) like large power, powerful range of hearing and high range of audible frequency.

In audio steganography, the most common method is to embed the message within the audio's spectrum. However, this method makes the audio noisy. Another method is to embed the message within the least significant bits (LSBs)

To detect audio steganography, tools such as Sonic Visualizer or Audacity can be used.

Lab Questions

Provided with these 2 audio files from the Audio Steganography section, figure out how you can view the spectrogram and recover the flag using Audacity. Submit a screenshot.

The audio file - 1. super_secret_audio
2. Guess

