

StegoShare

StegoShare is a [steganography](#) tool that allows embedding of large files into multiple images. It may be used for [anonymous file sharing](#).

Features

- Supports various [image formats](#) (png, jpg, bmp, gif, tiff etc.)
- Maximal supported hidden file's size is 2Gb, number of cover images in the set up to 65536
- Average capacity is 40% (a 100 Mb file could be embedded into a 250Mb image)
- 128-bit [encryption](#)
- Good output images quality (changes undetectable by human eye)

Use in the file sharing networks

This software can be easily used for [anonymous file sharing](#). An uploader downloads legal images from a public [photo hosting](#) site, and embeds the censored file into those images. The uploader then uploads pictures to the public photo [torrent tracker](#) and puts the links referencing the stego pictures with censored file's description on a forum or blog. Downloaders, seeders, and public photo trackers, if caught distributing illegal files, are protected from legal prosecution, because they can always use [plausible deniability](#), saying that they knew nothing about the illicit file in the images. This is impossible to prove otherwise, as the human eye cannot differentiate between an ordinary image and a picture with hidden embedded file.

Vulnerabilities

The cover file manipulation algorithm used is based on fixed location [LSB](#) insertion, making its output images detectable to most [steganalysis](#) software by a simply Histogram Characteristic Function.^[1]

StegoShare	
Developer	Digital Equality Foundation
Stable release	v1.01 Stable / December 8, 2008
Written in	Java
Operating system	Cross-platform
Type	Steganography , File sharing , Anonymous peer to peer
License	GPL
Website	http://stegoshare.sf.net

See also

- [Steganography](#)
- [Anonymous p2p](#)
- [Plausible deniability](#)

References

1. Ker, Andrew (June 2005). "Steganalysis of LSB Matching in Grayscale Images" (<http://www.cs.ox.ac.uk/andrew.ker/docs/ADK10E.pdf>) (PDF). *IEEE Signal Processing Letters*. **12** (6): 441–444. doi:10.1109/LSP.2005.847889 (<https://doi.org/10.1109%2FLSP.2005.847889>) . S2CID 14914502 (<https://api.semanticscholar.org/CorpusID:14914502>) . Archived (<https://web.archive.org/web/20150923211352/http://www.cs.ox.ac.uk/andrew.ker/docs/ADK10E.pdf>) (PDF) from the original on 23 September 2015. Retrieved 18 August 2015.^[1] (<https://instasupersave.com/en/instagram-profile-downloader/>) Archived (<https://web.archive.org/web/20230601121827/https://instasupersave.com/en/instagram-profile-downloader/>) 2023-06-01 at the [Wayback Machine](#)

External links

- [StegoShare Website with detailed technical and legal help \(http://stegoshare.sf.net\)](http://stegoshare.sf.net)