



File Encryption System Using USB Dongles

User Guide

For

Linux

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1. General

GoSafe is an on the fly USB Dongle based encryption / decryption security product which allows you to encrypt your files and helps you to protect your important data when you are transferring files online or as an attachment in an email. **GoSafe** is suitable for encryption of all file formats.

During file transfers in online chat programs like Skype, Yahoo Messenger, GTalk and others, it is possible for a hacker to hack your files. It is also not very difficult to hack your email account and download your important file attachments.

To protect your files, one of the best ways is to encrypt them.

Normal encryption and protection techniques use “password” or a “text string” to encrypt and protect file. This password is saved inside the file itself and hence it is very easy to crack such encryptions and get hold of your data.

GoSafe uses an USB Dongle to store the encryption key and also uses three other verification keys stored inside dongle plus a unique hardware serial number of the dongle. This makes it very safe and can even be used in military communication.

GoSafe dongles are made in set. The other person receiving the file will require a USB dongle from the same set to decrypt and use the file. Any person getting hold of your files will not be able to use them unless he/she has the USB dongle from the same set.

You can order **GoSafe** with required set of dongles. For example, if you have 500 offices you can order **GoSafe** with 500 Dongle set.

You can also expand the GoSafe dongle set. We will simply need two dongles from the existing set and KYC [Know Your Customer] form filled along with supportive documents and authorization.

2. Algorithm and versions

GoSafe comes with different encryption algorithms:

1. Custom IMSPL Algorithm
2. AES Algorithm

The Programs are made with two different options:

1. SF : This will encrypt or decrypt the same file
2. NF : This will create a new file upon encryption or decryption

Encrypted file will have “_GoSafe” added to its name while decrypted file will have “_UnSafe” added to its name.



Pic.jpg

Original File



Pic_GoSafe.jpg

Encrypted File



Pic_UnSafe.jpg

Decrypted File

GoSafe is available as free download from our site [www.isohelpline.com]

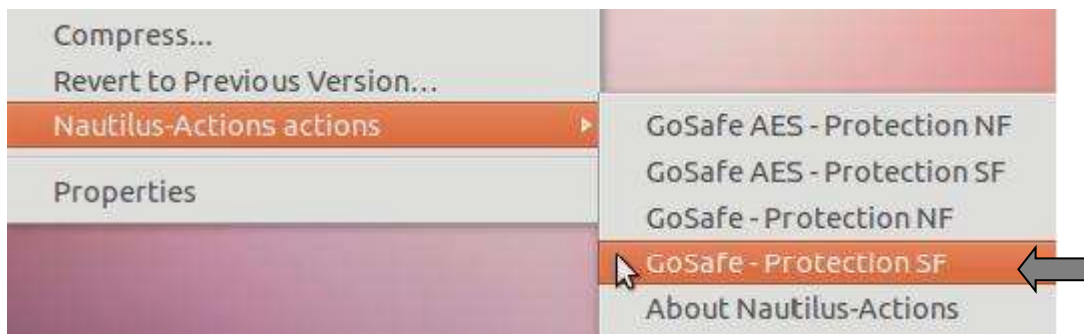
Notes:

- You agree to license terms by installing any version of **GoSafe**.
- To learn how to use **GoSafe SF**, **GoSafe AES SF**, **GoSafe NF** and **GoSafe AES NF**, watch Video.

3. Encrypting and Decrypting Files

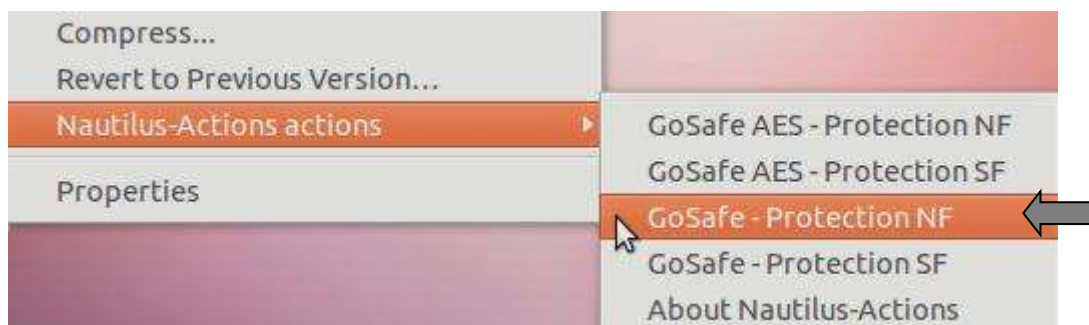
GoSafe SF [and GoSafe AES SF]

- Select the file(s) you want to encrypt or decrypt
- Right click, hover on "Nautilus-Action actions", click "GoSafe – Protection SF"
- **GoSafe SF** and **GoSafe AES SF** will automatically detect file encryption/decryption status and ask to decrypt if file is already encrypted
- **GoSafe SF** and **GoSafe AES SF** will encrypt or decrypt with the same file



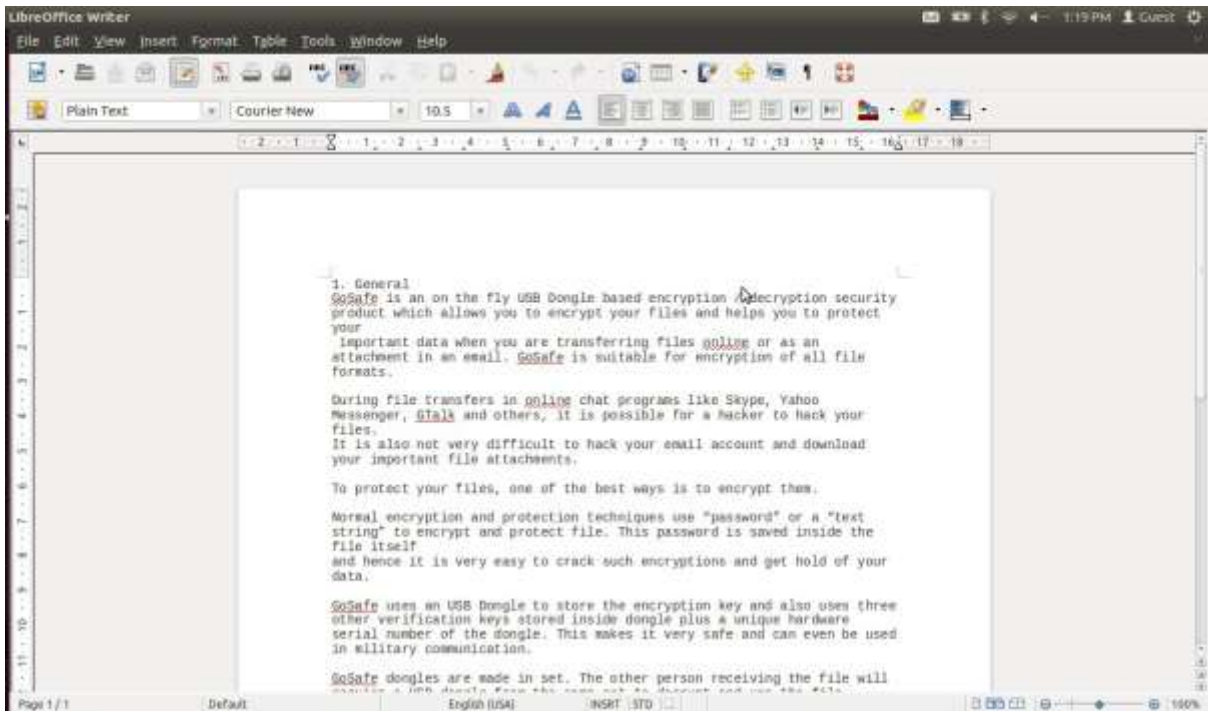
GoSafe NF [and GoSafe AES NF]

- Select the file(s) you want to encrypt or decrypt
- Right click, hover on " Nautilus-Action actions", click "GoSafe – Protection NF"
- **GoSafe NF** will create a new file with “_GoSafe” at the end of name for an encrypted file “_Unsafe” for a decrypted file.
- **GoSafe NF** will automatically detect file encryption/decryption status.

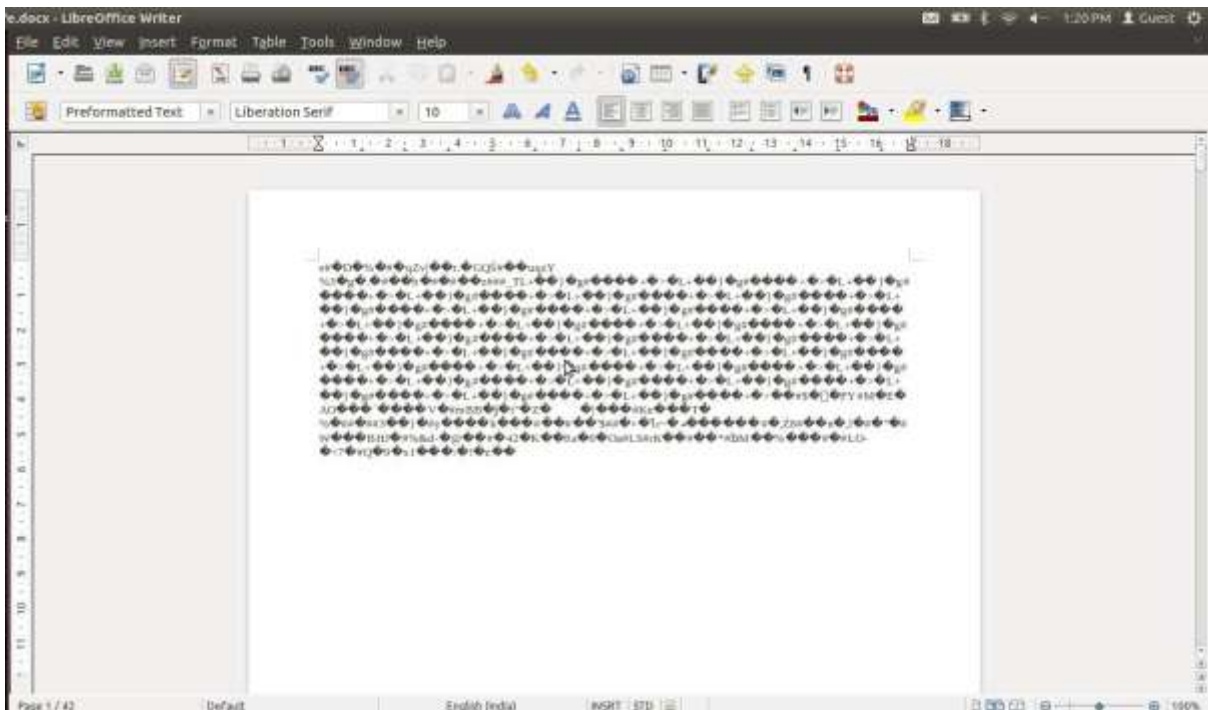


4. How GoSafe works on various file formats

a. .docx file:

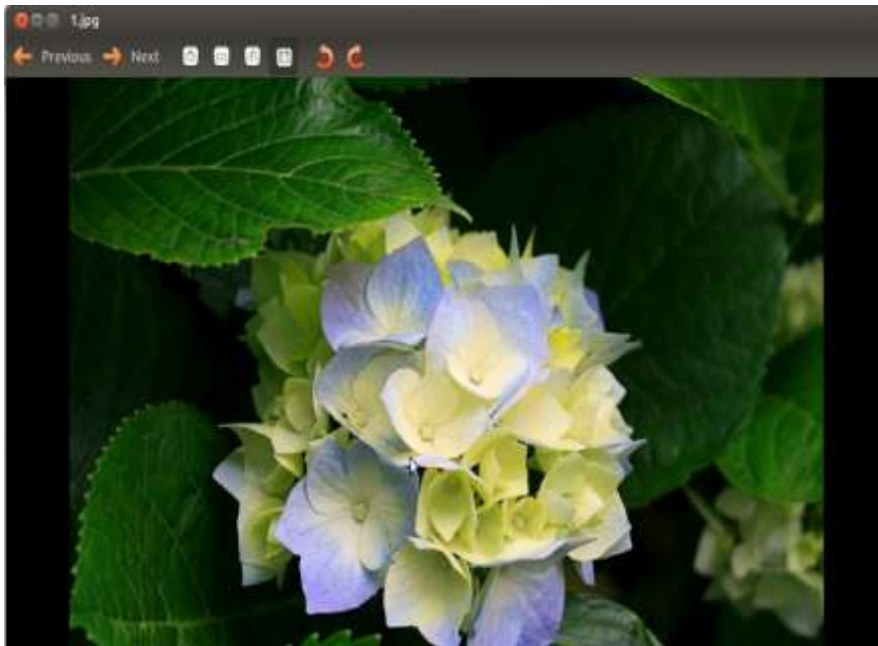


Before Encryption

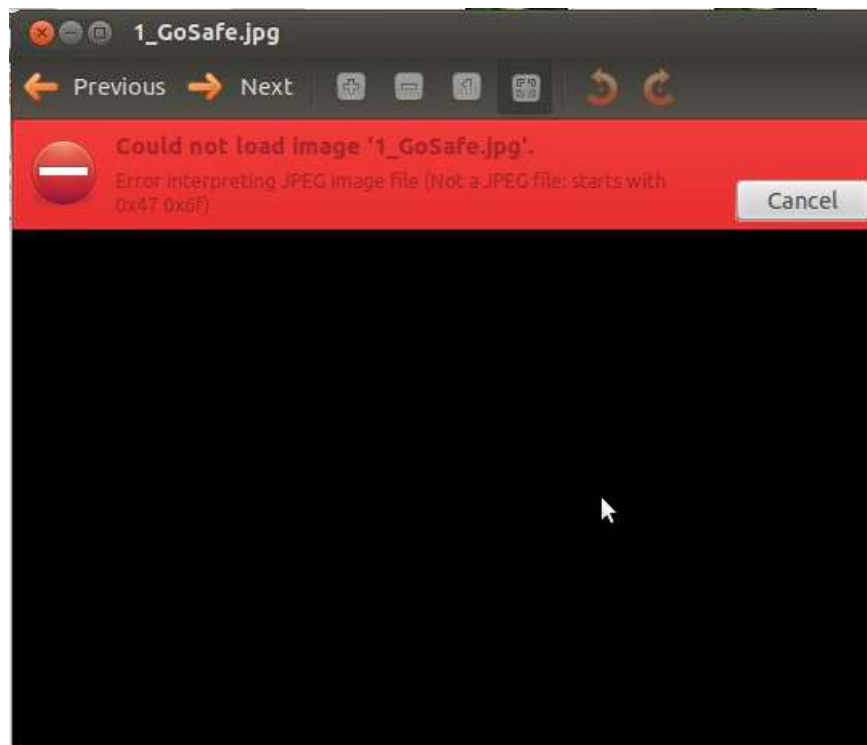


After Encryption

b. Image files:



Before Encryption



After Encryption

Note: In the same way it works on every other file formats.

5. Errors and their resolutions

Error Number	Description	Resolution
2	Dongle not validated	Insert correct dongle
3	Dongle not validated	Insert correct dongle
4	Dongle not validated	Insert correct dongle
5	Dongle not validated	Insert correct dongle
6	Dongle not validated	Insert correct dongle
7	Dongle not validated	Insert correct dongle
8	Dongle not validated	Insert correct dongle
9	Dongle not validated	Insert correct dongle
10	Dongle not validated	Insert correct dongle
11	Dongle not validated	Insert correct dongle
12	Dongle not validated	Insert correct dongle
13	Dongle not validated	Insert correct dongle
14	File operation Error	Your file is corrupt or not usable.
15	Dongle not validated	Insert correct dongle

Contact:

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