Encryption and Email Security

Robert Gabriel

R00102430

## Give a list of some of the best encryption software for encrypting hard drives and USB keys.

### http://www.itisja.com/web_images/truecrypt_icon.pngTrueCrypt

TrueCrypt is a top-rated, open-source general encryption program. It includes support for secure hibernation. It might be a bit daunting at first. Experienced users who want serious full drive encryption will find it to be a solid program.

C:\Users\r00102430\Desktop\DiskCryptor_logo.png

# DiskCryptor

DiskCryptor is specially designed to encrypt hard-drives, partitions, and external storage devices including USB flash drives. It offers simplified operation and performance advantages over TrueCrypt.

I found a surprising number of DiskCryptor reviews online, and while none of them were expert, they are uniformly positive.

# CompuSec



CompuSec is specifically designed to protect desktops and notebooks, using pre-boot authentication and full hard disk encryption.

Access control requires you to enter your userID and password before the system will boot up. Free CompuSec is free to use.

## Show how you would use one of these software packages to encrypt your hard drive and also a USB key.

### TrueCrypt

Select Mount

Click Next

Select filename and and click save

Click next

Select the encryption alrgothims, you want to use.

Select the the size of the encryption.

Click next and input a password for your file.

## 

Click file susort. and click next.

Click the install features.

## Click finish, then click mount and enter your password. The usb is open to view and when finished click dismount.

## Research

## various email encryption software, both paid and freeware.

### Infoencrypt

[Infoencrypt](http://infoencrypt.com/) is a free, web-based service for easily securing your messages. Simply enter the text of your message and the encryption password that will be used for both encryption and decryption. The program encrypts your message using a strong encryption algorithm, making it secure to send. Anyone who intercepts the encrypted message without the password will not be able to read the original message.

Infoencrypt does not require installation on your PC.

### SafeGmail

[SafeGmail](https://chrome.google.com/webstore/detail/safegmail/lmjkmpdndmbieflefonjgnnfimmkbedf) is a free extension for Google Chrome that allows you to send encrypted emails to anyone. The messages are encrypted and decrypted within the browser and remain encrypted in both the sender’s and receiver’s email inboxes. The messages also automatically expire after a random amount of time.

SafeGmail works with any recipient email provider.

### Trend Micro Email Encryption Client

[Trend Micro Email Encryption Client](http://free.antivirus.com/us/email-encryption-service/index.html) is a plug-in for Microsoft Outlook that enables secure, confidential and private email communications between you and any of your Outlook contacts.

Since regular email is transmitted “in the clear,” it is vulnerable to interception and eavesdropping on the internet and by online email providers such as Gmail, Hotmail and Yahoo! Mail. Safe, secure, and free for non-commercial use, Trend Micro Email Encryption Client ensures that no one except you and your recipients can read your encrypted email messages and attachments.

## Show how you would use one of these software packages to send an encrypted and signed message to one of your classmates.

### SafeGmail

Install safe gmail though the google chrome app store.

Click the log pad next to compose message

Type message , and who you want to send the message too .

Click send, and the password you and the person you want to send to. enter this password.

This is what the message the user you send it to will get. They must enter the password to see the message.