ENCRYPTION AND EMAIL SECURITY

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Web development

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.

# DiskCryptor

C:\Users\r00102430\Desktop\DiskCryptor_logo.pngDiskCryptor 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 user ID 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 ( Note I have a mac and couldn’t do the harddrive)



## Step 1:

Select Mount

## Step 2

Select create an encrypted file container

## Step 3

Select filename and click save

## Step 4

Click next and pick the file or usb stick you want to encrypt.



## Step 5

Select the encryption alrgothims, you want to use.



## Step 6

Select the size of the encryption.



## Step 7

Click next and input a password for your file.

## Step 8

Click the file system types. And click next.

## Step 9

Choose Cross-Platform Support you want to use. Click next

## Step 10

Click Format

## Step 11

Wait for it to finish encrypting.



## Step 12

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 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.

## 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.

## 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.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

### Step 1:

Install safe Gmail though the Google chrome app store.

Click the log pad next to compose message

### Step 2:

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





### Step 3:



Clicks send, and the password you and the person you want to send to. Enter this password. Click Encrypt and send.

### Step 4:

This is what the person receives.

It’s all encrypted. Click decrypt message and input the password.

## Step 5:

Finished

