Keeping Data Safe and Secure with Encryption and Online Services

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Presented by Dr. Lynn Churchill

This webinar provides information to ensure your program's data is safe and secure. One process is through inexpensive Online Backup and Replication Services. The other is to encrypted data using common, free, open source solutions. You will receive resources to assist you in implementing both strategies.

Webinar Evaluation URL: http://uwtrio.org/webinar/mar1eval/

Software and Service References

1. Creating a Data Backup Plan:

   - http://www.online-tech-tips.com/computer-tips/create-a-data-backup-plan/

   - http://www.cbscreative.com/backupplan.htm

   - http://online-data-backup-review.toptenreviews.com/create-a-good-backup-plan-for-your-computer.html

   - http://www.macworld.com/article/156601/2011/01/what_how_backup.html

2. Top Ten Reviews: http://www.toptenreviews.com/
   This is a great place to find out different products and services. The reviews are frequently updated.

   - For online backup services look at: http://online-backup-services-review.toptenreviews.com/

   - For online data synchronization look at: http://online-data-backup-review.toptenreviews.com/

3. Online Backup and Replication Service Tutorials:

   - SugarSync: http://www.sugarsync.com/videos/

   - DropBox: http://www.kaigin.com/filesection/274/DropBox.pdf

4. Encryption Solutions:

   - Windows Bitlocker to Go:
     http://www.pcmag.com/slideshow_viewer/0,3253,l%253D234178%2526a%253D233998%2526po%253D1,00.asp?p=n/
   - Apple FileVault: http://docs.info.apple.com/article.html?path=Mac/10.7/en/flvlt002.html/
   - TrueCrypt: http://www.truecrypt.org/
   - AxCrypt: http://www.axantum.com/axcrypt/

5. Encryption Tutorial:

   - True Crypt: http://www.truecrypt.org/docs/?s=tutorial

External storage refers to any data storage format that isn't permanently fixed inside your computer, for example, hardware such as USB or flash drives, DVDs, or even a Web service.

If you use a storage system that is portable; one of the best ways to protect your backups is to store them in a different location than your computer. The following are some storage devices and services to consider.

Storage Type	Description	Pros	Cons
External USB drives	An external USB drive is a disk drive that can store hundreds of gigabytes of data.	• Includes backup software • Range of storage options • Portable	• You must invest in the hardware, and in some cases, disks as well
DVD-RW* *You need a DVD-RW drive to burn files onto DVDs.	A DVD-RW is a DVD onto which you can burn information if you have a DVD-RW drive. (RW stands for "read-write.")	• Most computers come with a built in DVD-RW drive • DVD burners double as CD burners, offering more flexibility • One disc stores gigabytes of information • Portable • DVD-RW discs can be used over again • Discs are relatively inexpensive	• You need to buy a DVD-RW drive if your computer doesn't come with one • The drive might not come with backup software • It's possible to accidentally write over data on your DVD-RW disc and lose your backup files
USB flash drive	A USB flash drive is like a small hard drive, about 2-3 inches long, that plugs into your computer through a USB port. You can download information onto it for storage.	• Portable • Can hold up to 8 gigabytes of data • Files can be saved, modified, or deleted as often as you want • Prices start relatively low	• USB flash drives, because of their size, are easy to misplace
Online backup and storage	An online storage service lets you save files online. If you have Internet access, you can get your files from the online storage site whenever you need them.	• Stores your information out of the house or office • Includes download and backup software • Offers the potential for a larger amount of storage space than some other backup devices or locations • Offers encryption and high level of security • Low cost	• You might be required to pay a monthly fee for backing up and storing your files • If the company's servers fail, you might not be able to access your files • If the company is hacked, your information could be stolen • If company goes out of business, you could lose your backup data.