

IST 251 – Chapter 14 – Managing Data Storage

Disk compression – Windows XP supports 2 types of compression

1. **NTFS Compression** – enables you to compress files, folders or an entire drive.
 - a. Compressed data occupies less space on an NTFS volume
2. **Compressed Folders** – works a lot like WinZip, except its drag and drop

NTFS Compression

1. Copying files within an NTFS Volume – the file inherits the state of the target folder
2. when moving it retains its state of compression
3. when moving to a different NTFS volume, it inherits the state of the target as well
4. When moving to a non NTFS volume it is uncompressed always.

Disk Quota – these are used to track and control disk usage on your computer.

You can track your disk quotas using the quota entries tab.

EFS – Encrypting File System – provides encryption for data in NTFS files stored on a disk.

There is also a dos command that works in the same manner, called **Cipher**.

EFS can be disabled using Group Policy

Disk management tools:

1. **Disk Defragmenter** – used to defrag hard disk
 - a. Red = fragmented
 - b. Blue = non-fragmented
 - c. Green = system files
 - d. White = free space
2. **check disk** – checks the hard disk for specific errors
 - a. command line - chkdsk
3. **disk cleanup** – removes unnecessary files