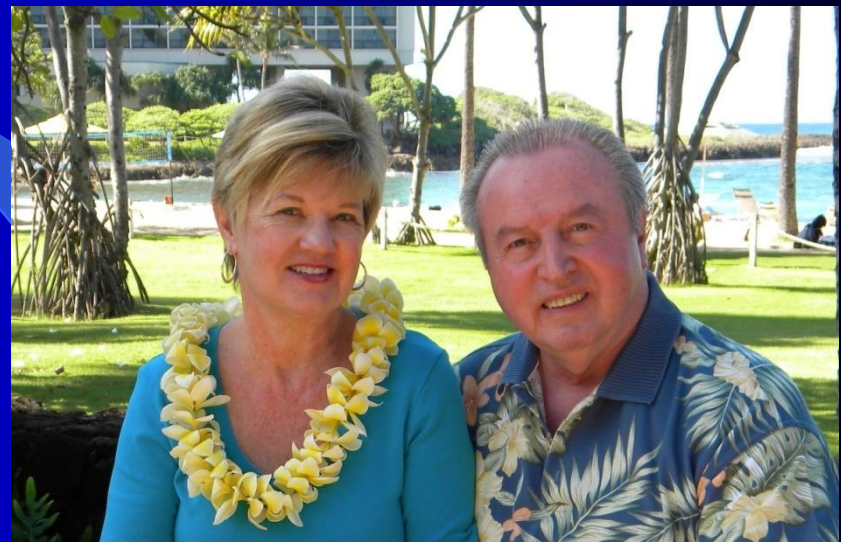




Picking Best Backup Approach

Gene & Linda Barlow
User Group Relations
St George, UT
October 2015 Las Vegas
Conference



Backups Best Protection

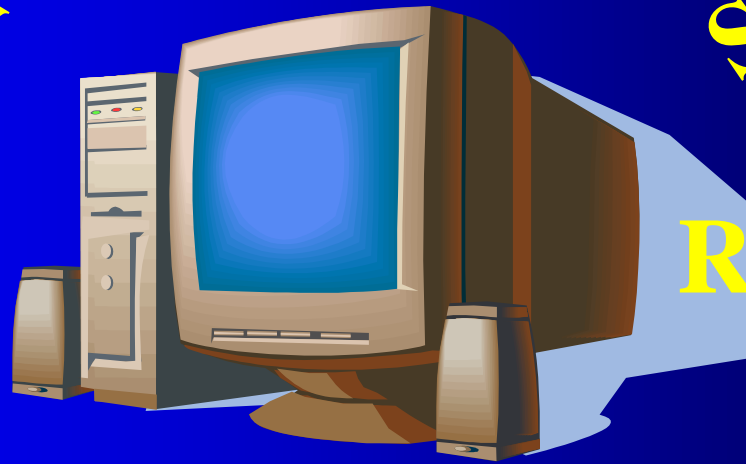
Identity Theft

Viruses

Spyware

Spam

Ransomware



Cleanup Tools

Backups

Software Updates

Misleading Ad

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Rob Cheng
CEO and Founder
PC Pitstop LLC

Backups Are Best Protection

- Anti-malware only 70 to 90% Effective
- Anti-malware Cannot Correct Attack Problems
- Only Good Backup Can Fix Attack Problems
- Everyone Needs to Backup their Computer





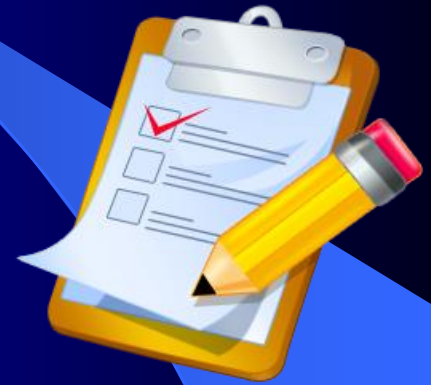
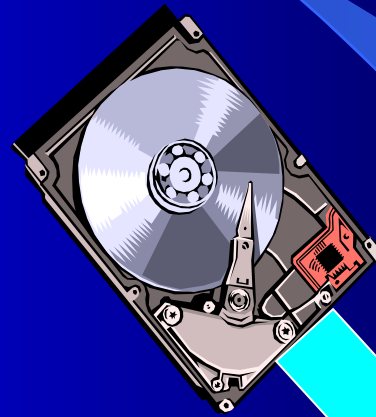
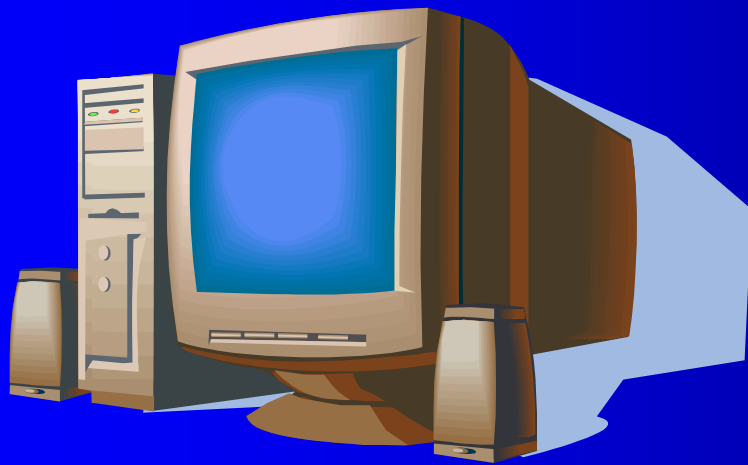
Many Types of Backups

- File Backups
- Online Backups
- Clone Backups
- Image Backups

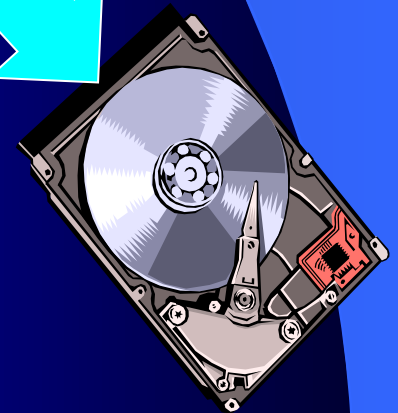


<http://www.ugr.com/nl0713.html>

File Backup Approach



**Provide List of Files
to Backup**

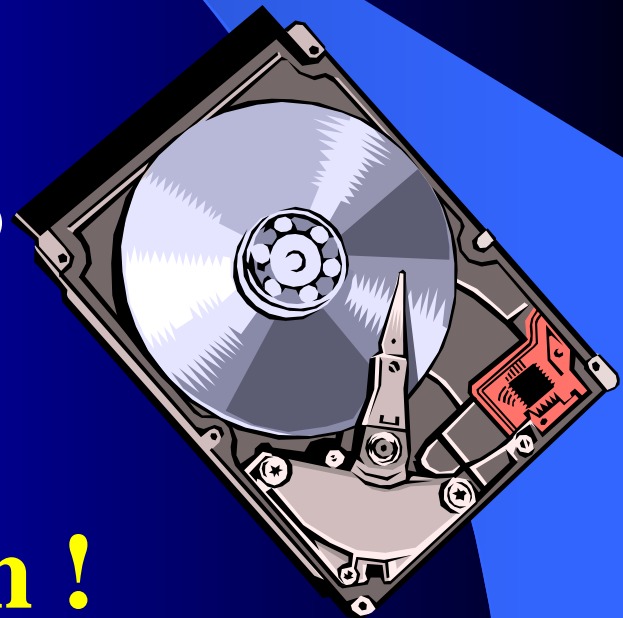




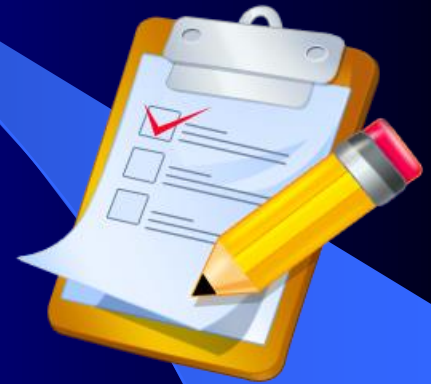
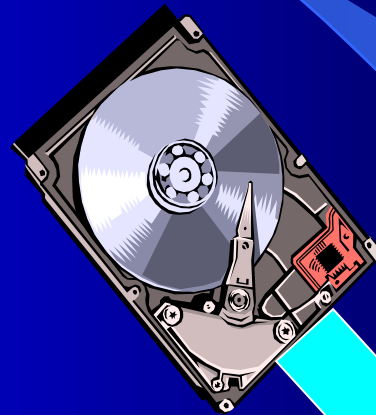
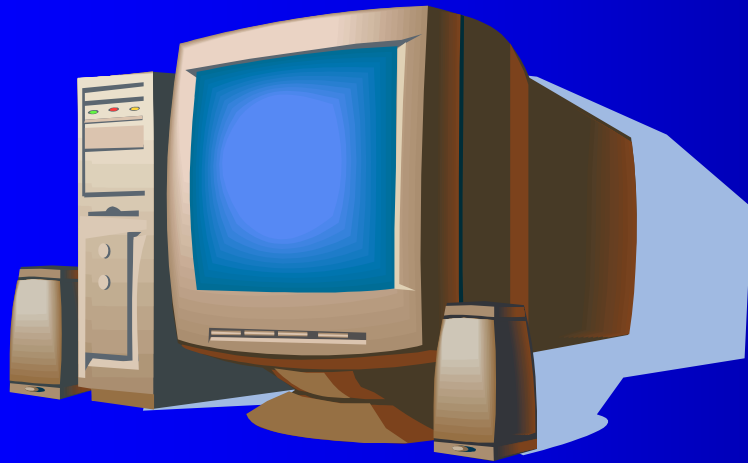
File Backup Approach

- Partial Backup Approach
 - Windows Not Backed Up
 - Programs Not Backed Up
 - Only Data Files Backed Up
 - Forget to Select Key Files

Poor Backup Approach !



Online Backup Approach



**Backup Files Stored
on Online Server**





Online Backup Approach

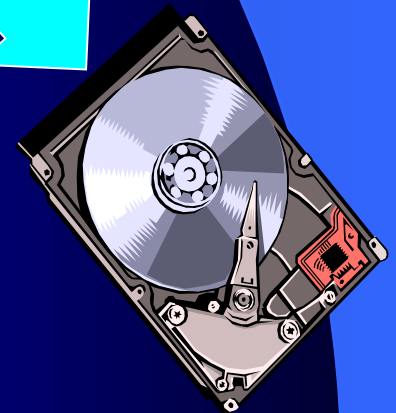
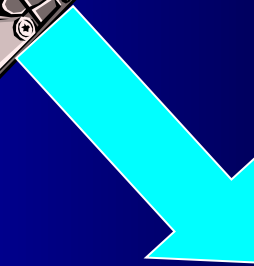
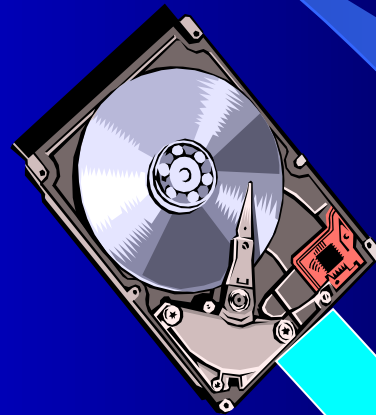
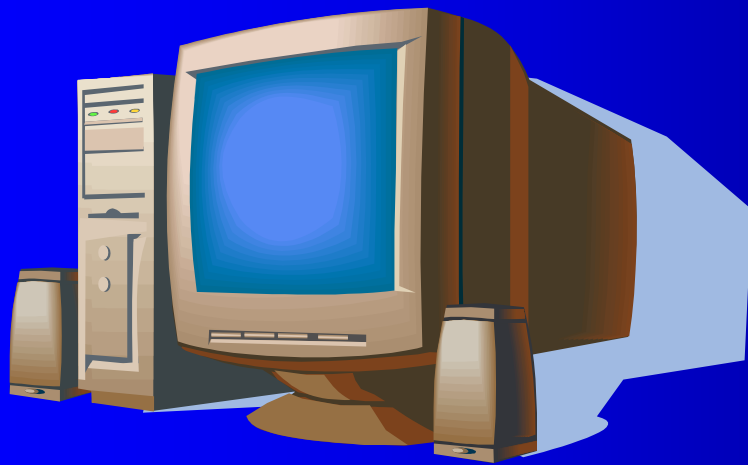
- Only Backup Data Files
 - Partial Backup Approach
 - Acronis Cloud Exception
- Very Slow Backups
- Expensive Cloud Rental



Poor Backup Approach !



Clone Backup Approach



**Clone or Copy One
Disk to Another Disk**

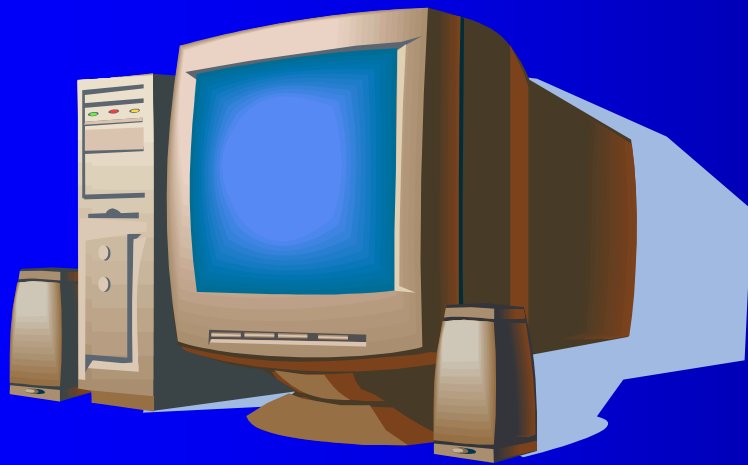
Clone Backup Approach

- Clone Advantages
 - Backup Entire Hard Drive
 - Simple Backup Concept
- Clone Disadvantages
 - One Backup per Hard Drive
 - Cumbersome Swapping Drives



Poor Backup Approach !

Image Backup Approach



**Two Steps –
Backup
Restore**

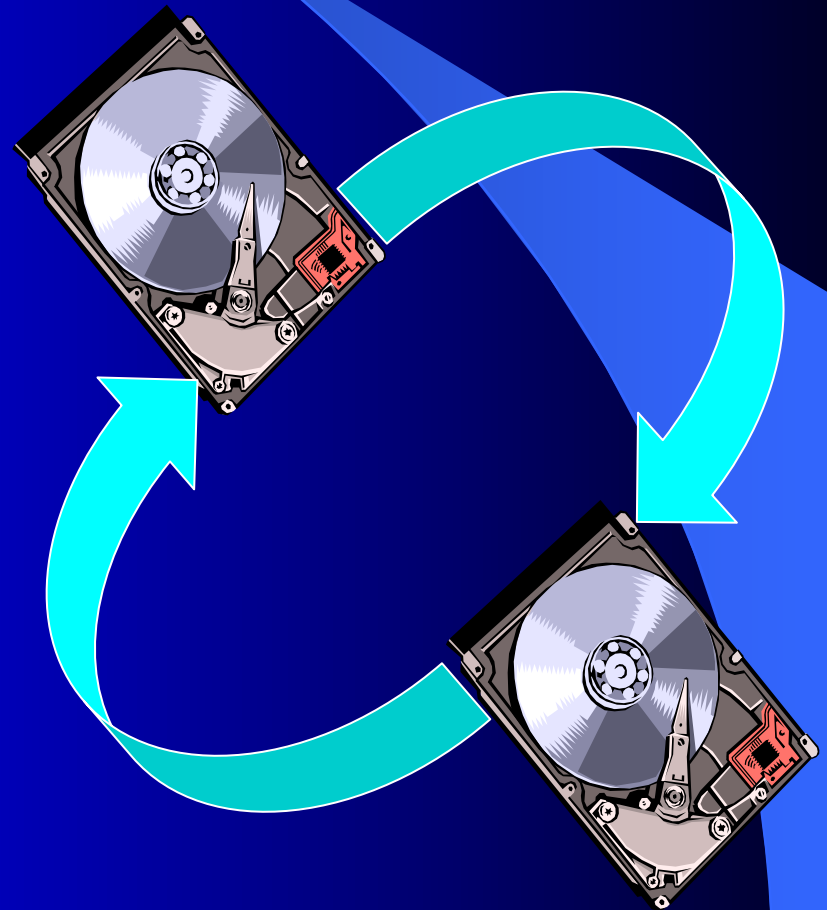
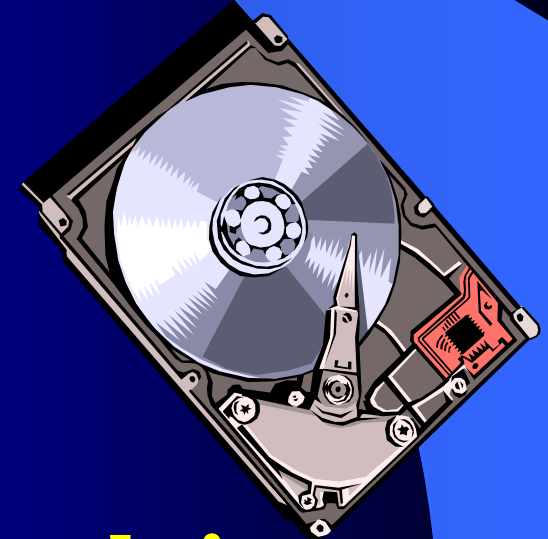




Image Backup Approach

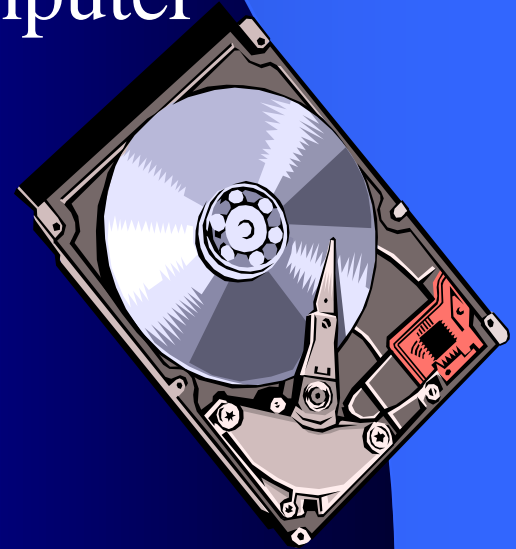
- Image Advantages
 - Backup Entire Hard Drive
 - Store Many Backups on 1 Drive
 - Avoid Swapping Drives
 - Retrieve Individual Files
- Image Disadvantages
 - Addition Restore Step



Excellent Backup Approach !

Where to Save Backups

- CDs, DVDs, Internet
- External Hard Drive
 - Dedicated External HD for Backups
 - Same Size as Main HD in Computer
 - Remove Between Backups



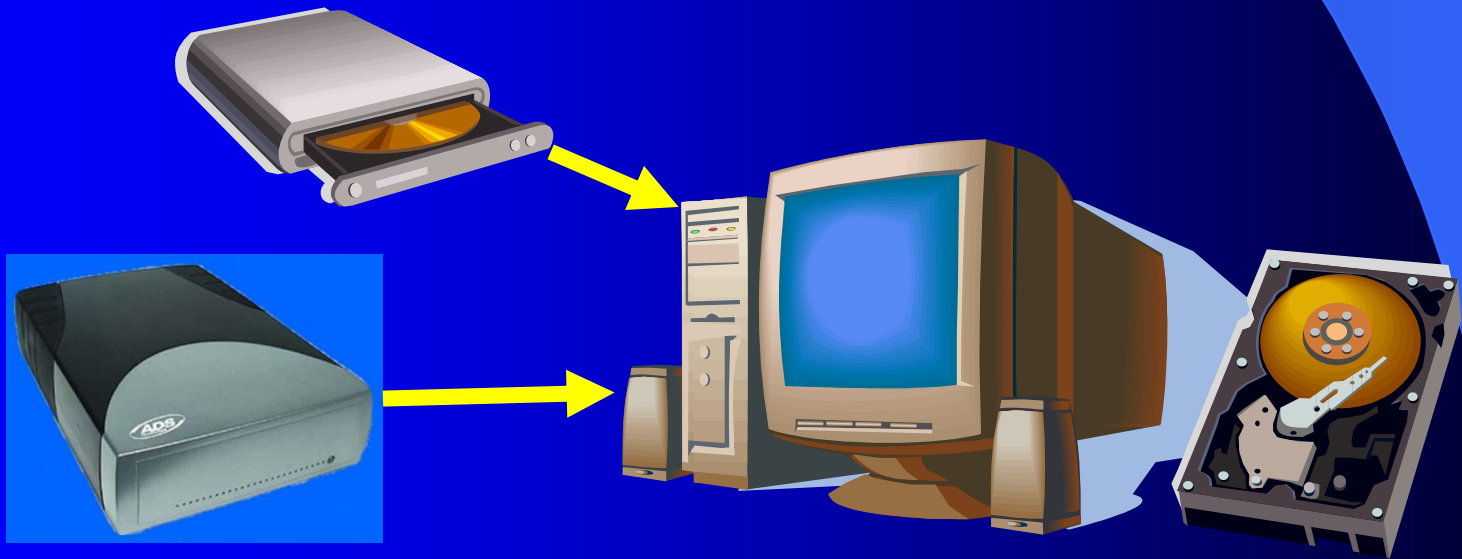
How Often to Backup

- Large Corporations – Hourly
- Small Businesses – Daily
- End User – Weekly
- Partitioned User -- Flexible
 - Data Partition – Daily
 - Photo Partition – Weekly
 - Program Partition – Monthly
 - Full Hard Drive – Quarterly



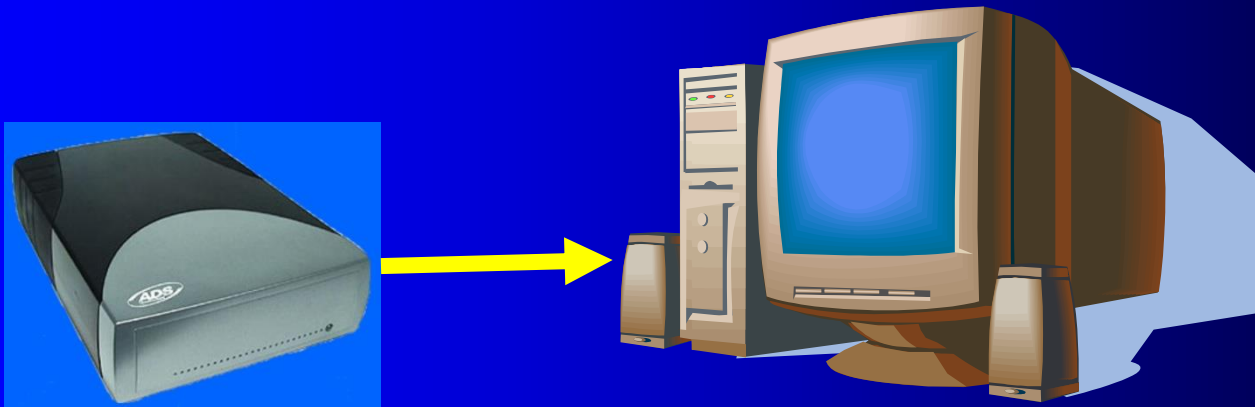
Restore Entire Partition

- Install New Hard Drive in Computer
- Attach External Hard Drive with Image
- Boot from True Image CD to Restore



Restore Individual Files

- Attach Backup Hard Drive
- Run Windows Explorer – Copy Files



Acronis True Image 2016 for PC/Mac

- Powerful Hard Drive Utility Suite
 - **Partition Backup Utility**
 - File Backup Utility
 - Internet Backups
 - Continuous Backups
 - Disk Clone Utility
 - Hard Drive Cleanup Utility
 - Data Synchronization
 - WinXP to Win10 Support

Demo



New Features in True Image 2016

- Windows 10 Support
- User Interface Improvements
- Try & Decide Back in Product
- Family Data Protection
- Data Archiving
- Single Multilingual Build
- Many other minor improvements

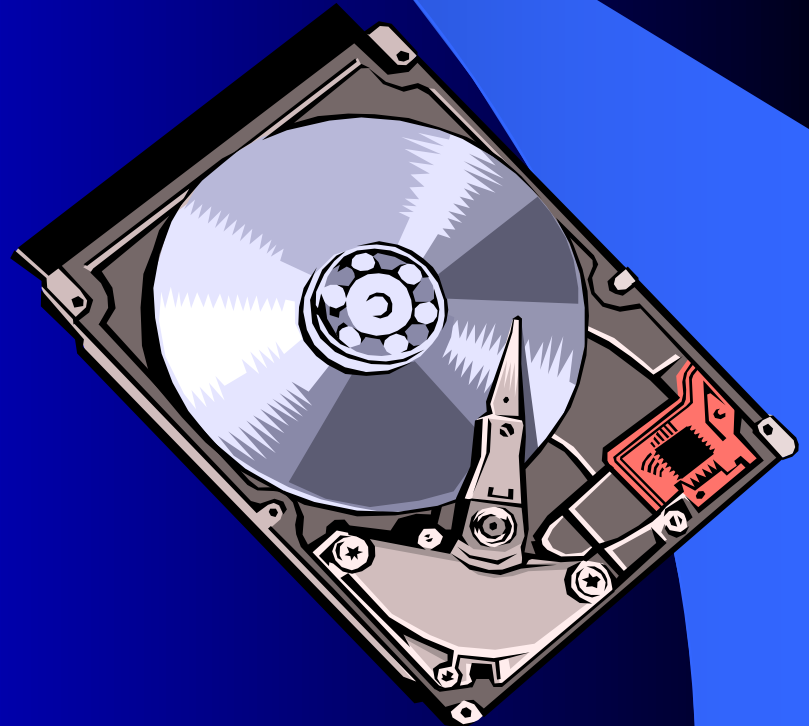


Questions on Backup/Restore



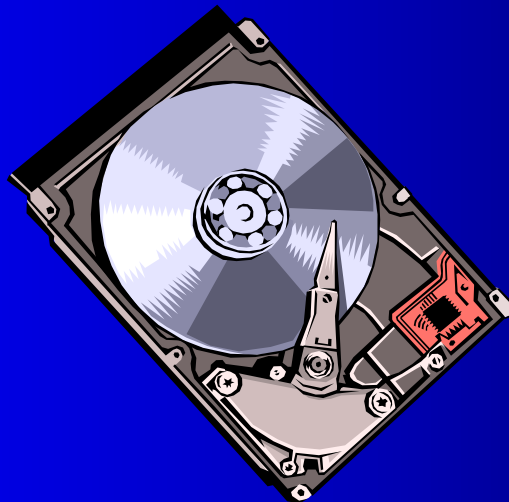
Organize your Hard Drive

- What is a Partition ?
- Why Partition your Hard Drive ?
- My Partition Approach



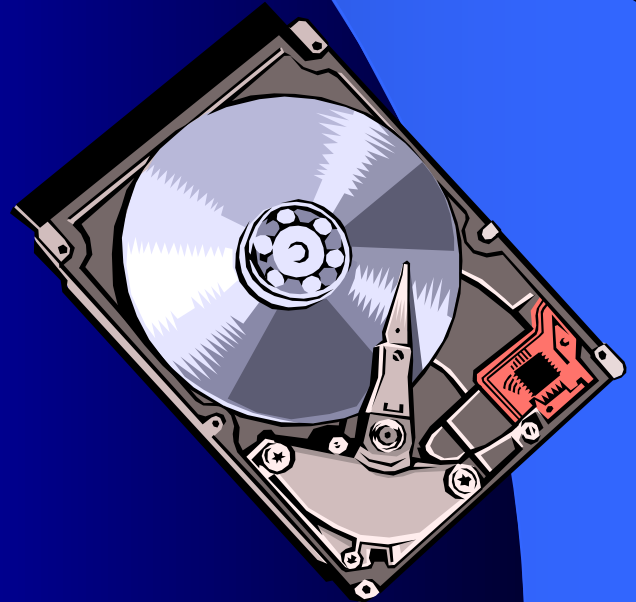
What is a Partition ?

- Section of your Hard Drive
 - Formatted with File System
 - Drive Letter Assigned
 - One or More Partitions Possible



Why Partition your Hard Drive ?

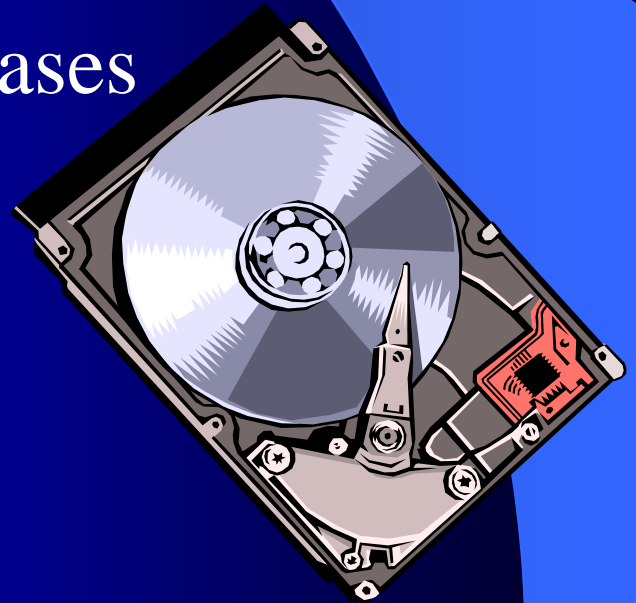
- Protection from Crashes and Viruses
- Better Organize your Hard Drive
- More Backup Flexibility





My Partition Approach

- Program Partition (c:)
 - Windows & Application Programs
- Data Partition
 - Email , Favorites, Databases
 - Financial Records
- Photo Partition
 - Digital Photos
 - Video Clips





My Partition Approach

- Data Partition – Daily
- Photo Partition – Weekly
- Program Partition – Monthly
- Full Hard Drive – Quarterly

Acronis Disk Director 12 for PC

- Add/Delete Partitions to HDD
- Resize Partitions on HDD
- Move Partitions on HDD
- Rename Partitions
- Change Partition Type
- Convert File System
- Dynamic Disk Support
- No Windows 10 Support Yet



Questions on Partitioning





Acronis Drive Monitor

- Function
 - Monitors Disk Problems
 - Monitors Backup Status
 - Monitors Critical Events
- Free Gift to You
 - Google “Acronis Drive Monitor”



Special Acronis Price

List \$50/\$63



**Special
User
Group
Price:**

\$25 ea
3 for \$60
2+1 \$60

List \$50/\$63





User Group Relations

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