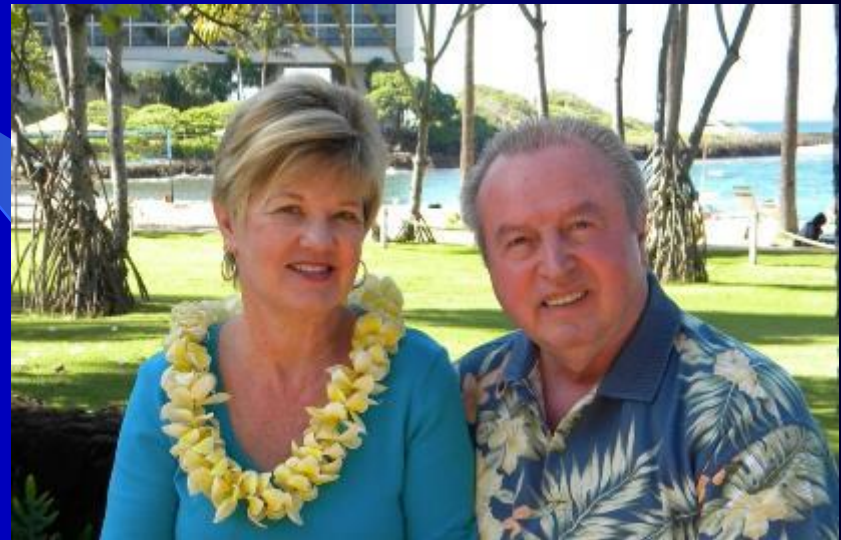




# Picking Best Backup Approach

Gene & Linda Barlow  
User Group Relations  
St George, UT  
May 2015





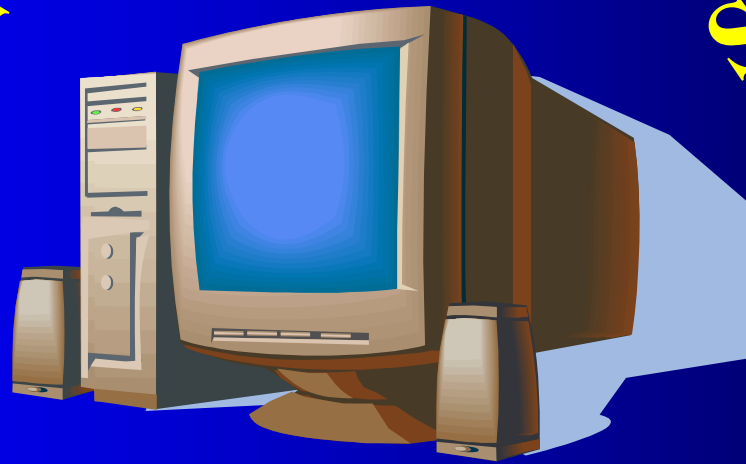
# Backups Best Protection

**Identity Theft**

**Viruses**

**Spyware**

**Hackers**



**Spam**

**Cleanup Tools**

**Backups**

**Software Updates**

# 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

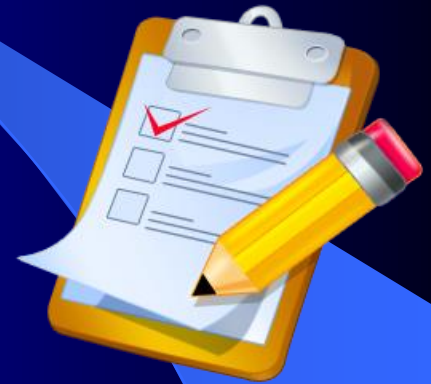
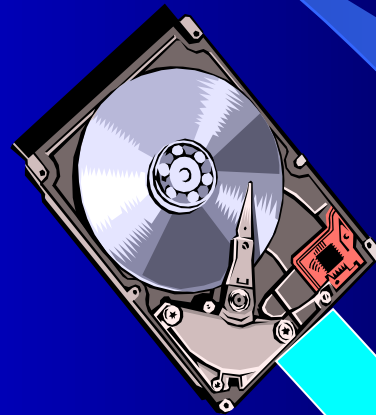
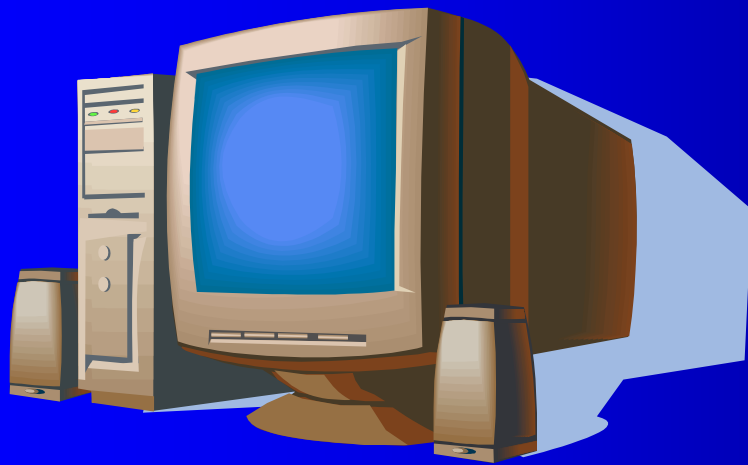
- File Backups
- Online Backups
- Clone Backups
- Image Backups



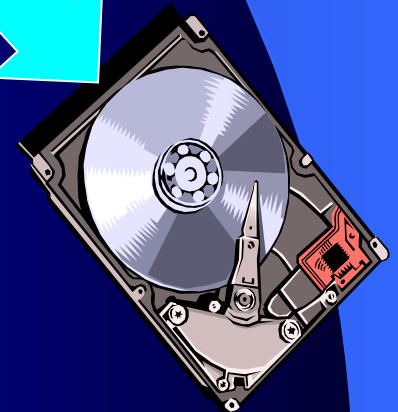
<http://www.ugr.com/nl0713.html>



# File Backup Approach



**Provide List of Files  
to Backup**

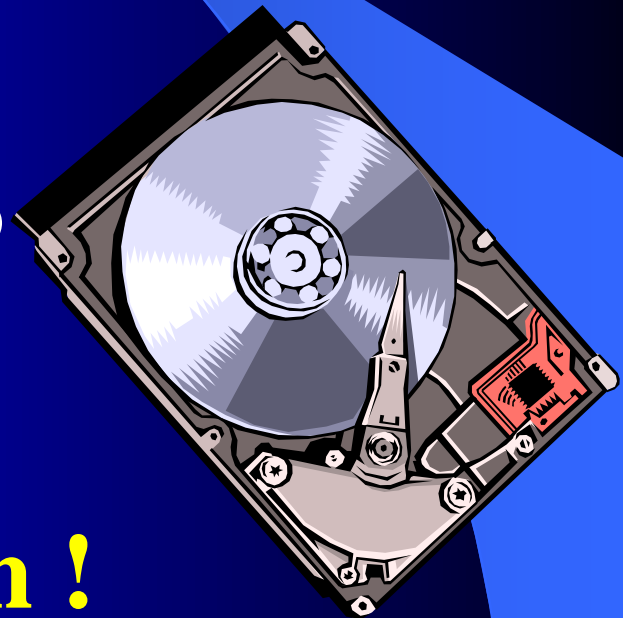




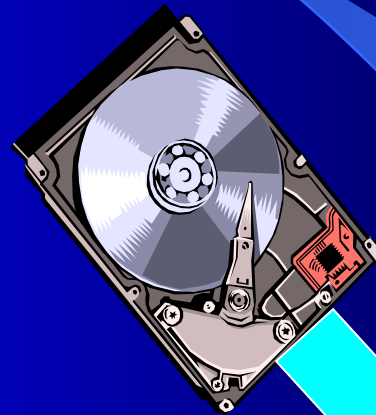
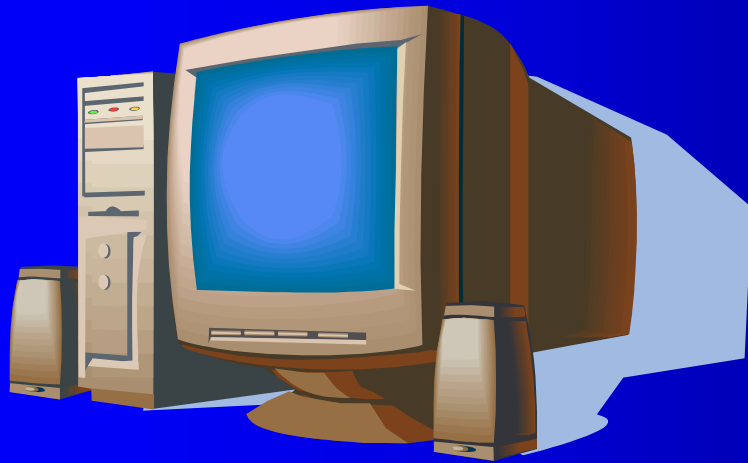
# File Backup Approach

- 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

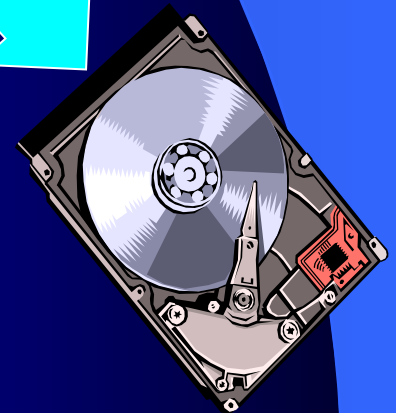
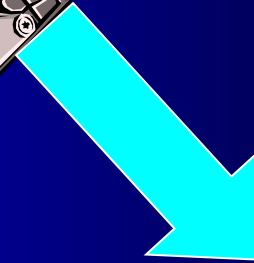
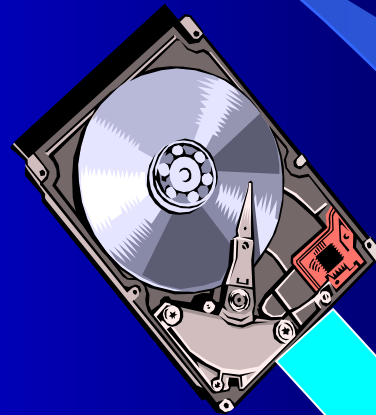
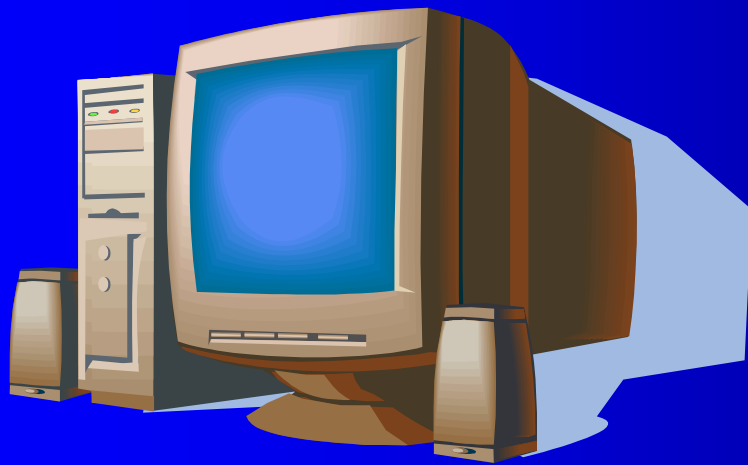


**Poor Backup Approach !**





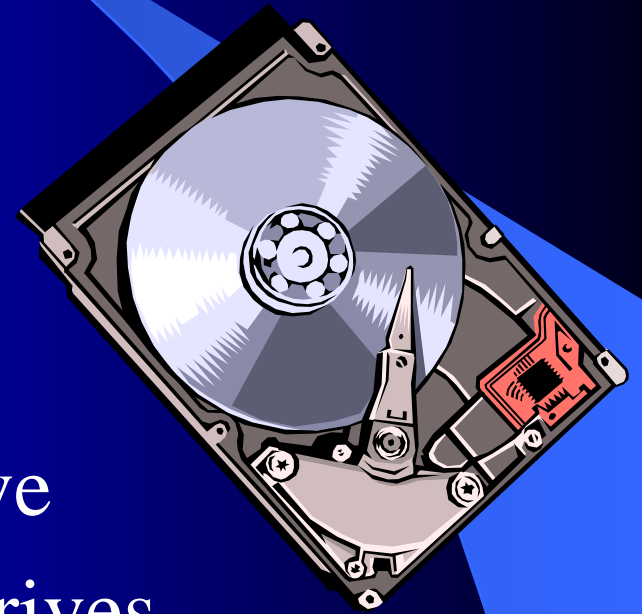
# Clone Backup Approach



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

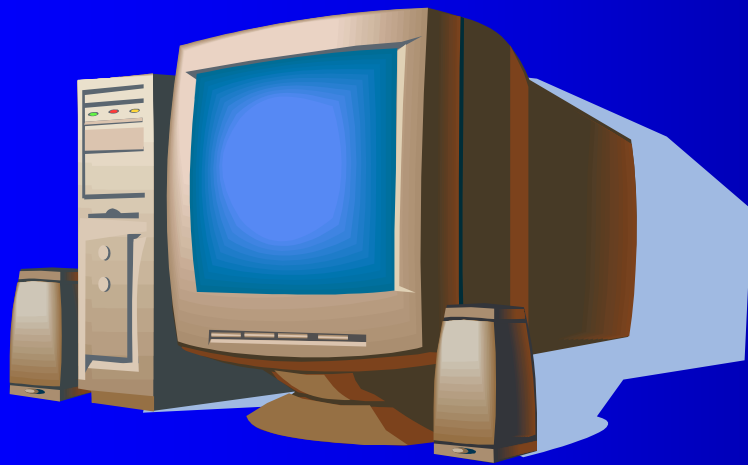
# Clone Backup Approach

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

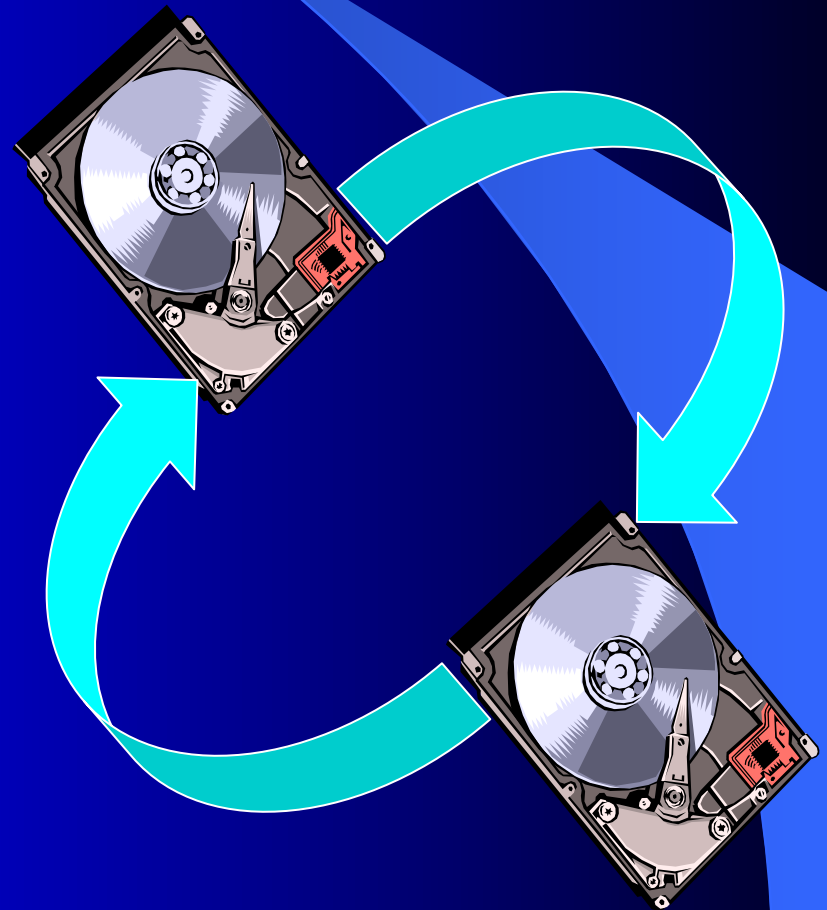


**Poor Backup Approach !**

# 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



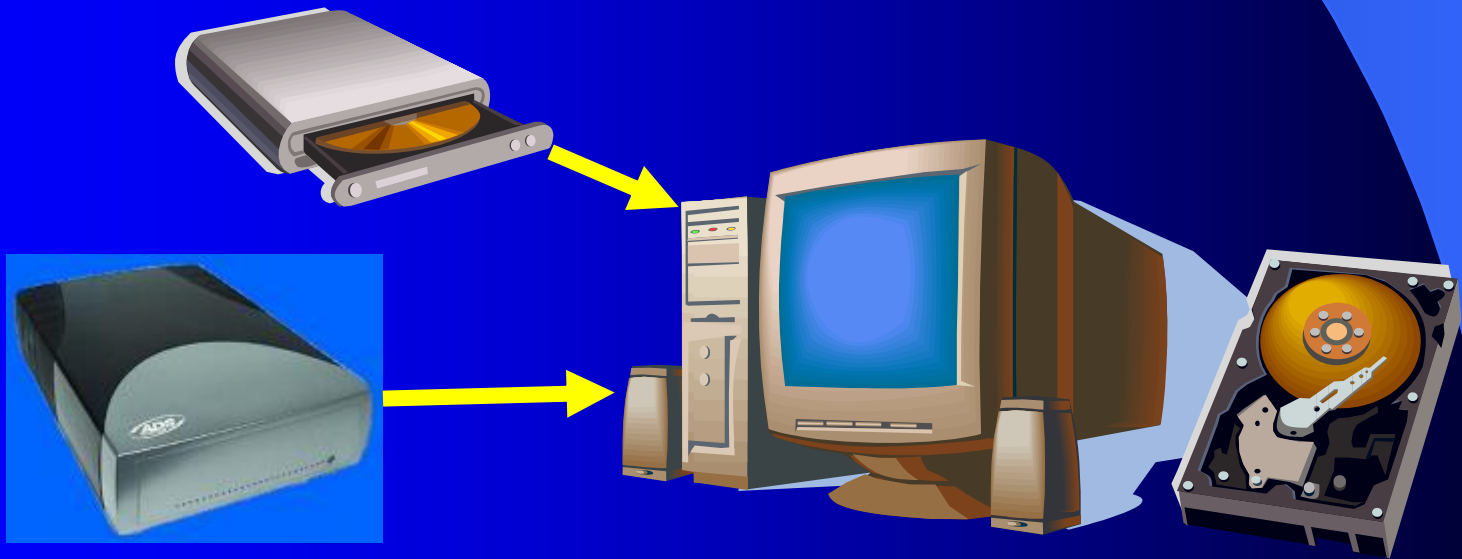
# How Often to Backup

- 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



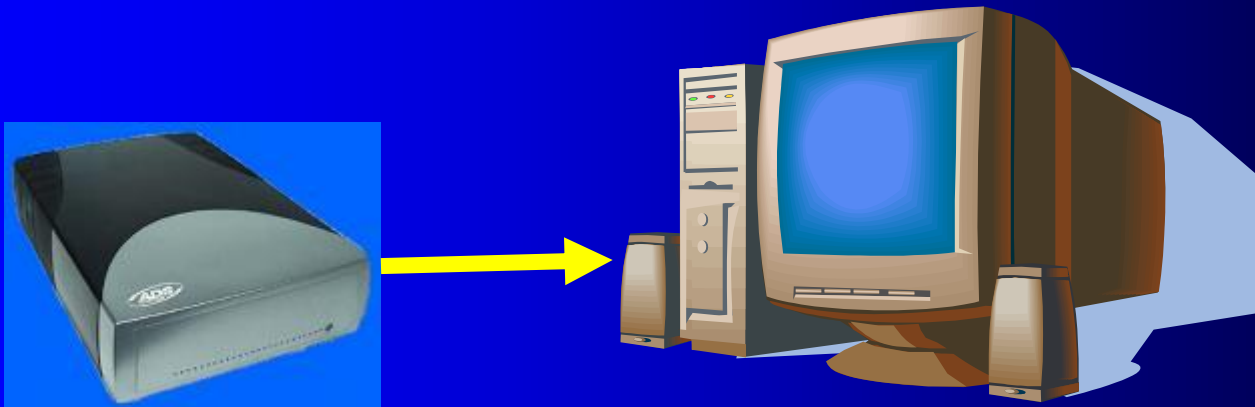
# Restore Entire Partition

- 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

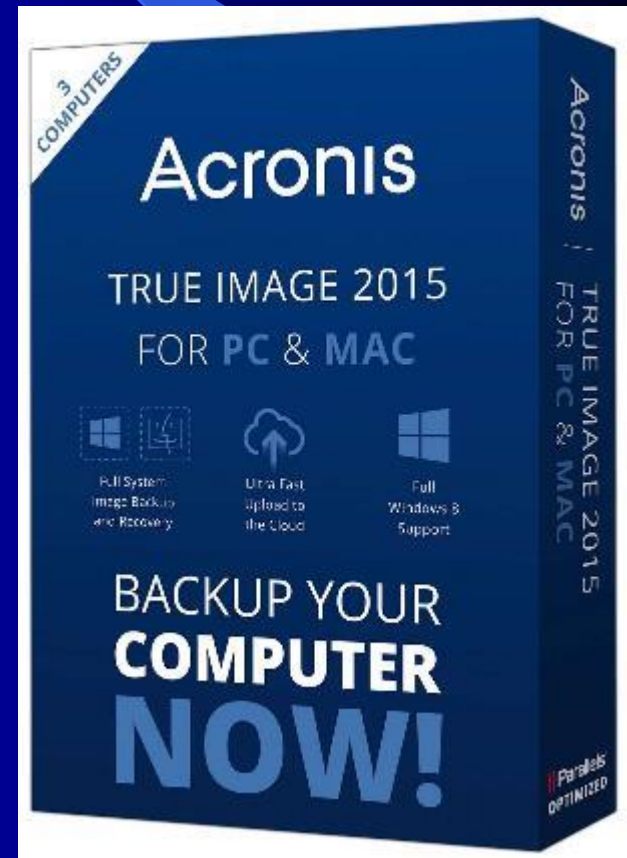




# Acronis True Image 2015 for PC/Mac

- Powerful Hard Drive Utility Suite
  - **Partition Backup Utility**
  - File Backup Utility
  - Internet Backups
  - Continuous Backups
  - Disk Clone Utility
  - Hard Drive Cleanup Utility
  - Data Synchronization
  - Win8/8.1 Support

**Demo**

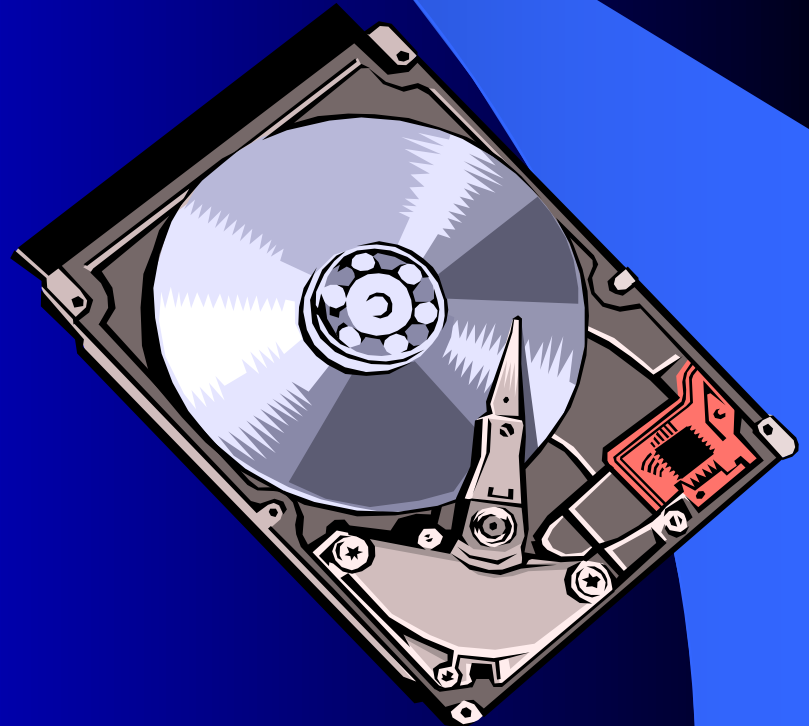


# Questions on Backup/Restore



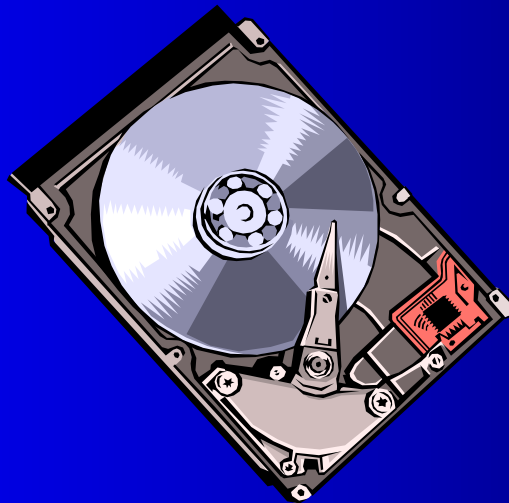
# Organize your Hard Drive

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



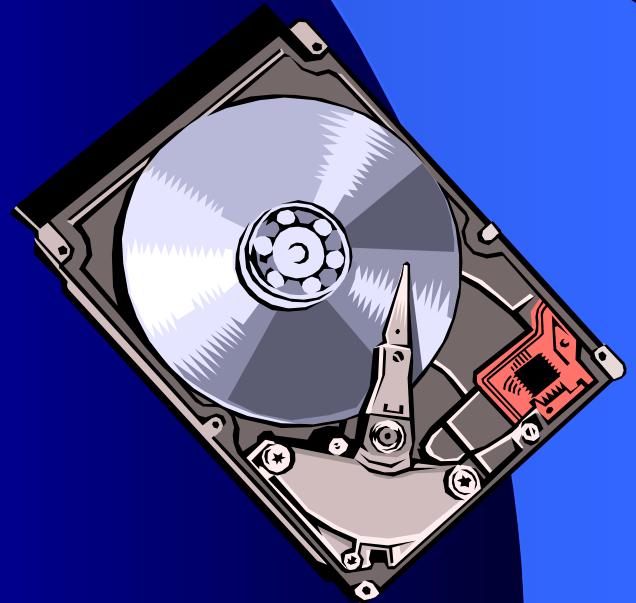
# What is a Partition ?

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



# Why Partition your Hard Drive ?

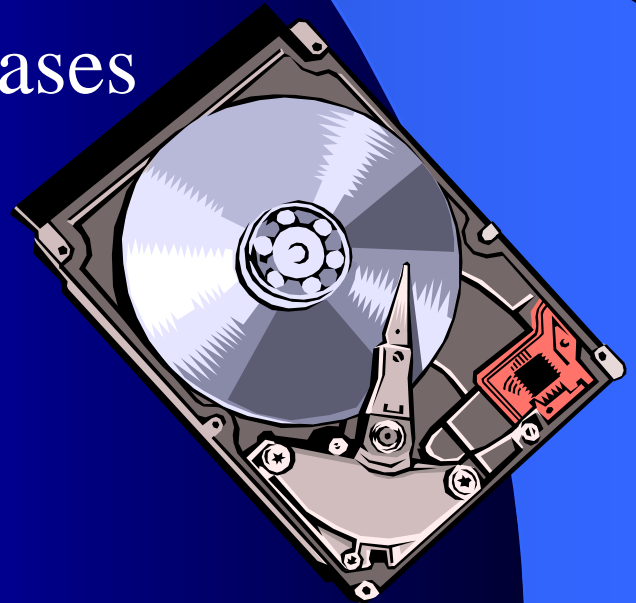
- Protection from Crashes and Viruses
- Better Organize your Hard Drive
- More Backup Flexibility





# 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
- **Windows 8 Support**

**Demo**







# Questions on Partitioning





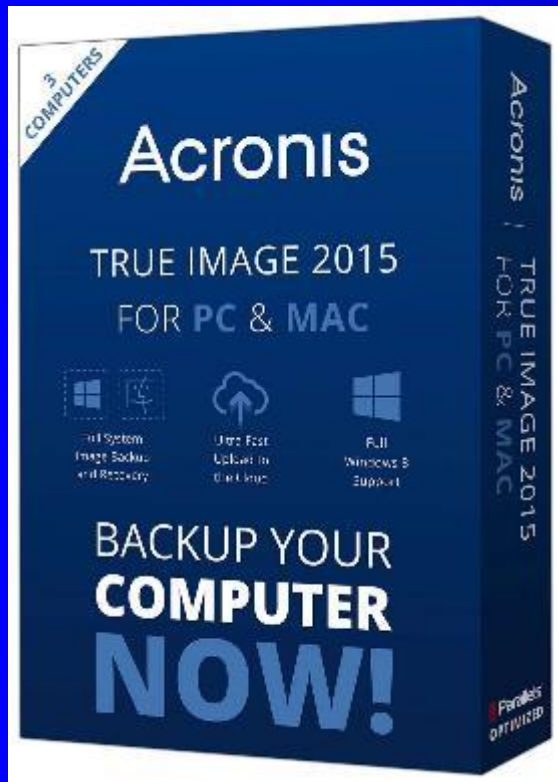
# Acronis Drive Monitor

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



# Special Acronis Price

List \$50/\$63



List \$50/\$63



**Special  
User  
Group  
Price:**

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

**Buy 3 Licenses and Get 1 Free (till 5/31/15)**



# User Group Relations

St George, UT

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