

Bad things happen to good people: How to avoid losing all your data

Mike Carline
Robson Ranch Computer Club

January 2007

Bad things happen to good people

- Virus, Trojan, etc.
 - Storms
 - Power Outages
 - Disk Aging
 - Upgrade
 - Relatives
 - Oops
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How to avoid losing all your data

- Backups!!!
 - System files
 - Data files
 - Critical files
 - Total system

Basic requirements

- A Plan
- Software
- Hardware



Plan

- What needs to be saved?
 - How often should it be saved?
 - Where will it be saved?
 - If the worst happens, how will I recover?
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Software

- Windows XP Backup
- Norton Ghost
- NovaStor NovaBackup
- Roxio Backup MyPC
- Acronis True Image 10 Home
- etc.



Windows XP Backup

- Included with Windows XP
 - Need to dig for it with Home Edition
 - Wizard-based
 - Multiple levels
 - My Documents and Settings
 - Everyone's Documents and Settings
 - Everything on the computer
 - Custom
 - Can Automate
 - Volume Shadow Copy
 - Limited disaster recovery
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Norton Ghost

- Available from Symantec for \$70
 - Multiple levels
 - Full system
 - Individual files
 - Entire fixed disk
 - Encryption
 - Wizard based
 - Can Automate
 - Complete disaster recovery
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NovaBackup

- Available from NovaStor for \$50
 - Multiple Levels
 - Full system
 - Individual files
 - Entire fixed disk
 - Wizard based
 - Can Automate
 - Complete Disaster Recovery
 - Mirror option
 - Virus scanning
 - Encryption
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Backup MyPC

- Available from Roxio for \$50
 - Multiple levels
 - Full system
 - Individual files
 - Entire fixed disk
 - Wizard-based
 - Can Automate
 - Complete disaster recovery
 - Spyware, Adware, Pop-up stopper
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True Image 10 Home

- Available from Acronis for \$50
 - Multiple levels
 - Full system
 - Individual files
 - Entire fixed disk
 - Wizard-based
 - Can automate
 - Complete disaster recovery
 - Encryption
 - Cloning capable
 - Can backup while working on system
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Hardware

- Your existing disk
 - 2nd disk or partition
 - Floppy disk
 - Zip drive
 - Tape
 - Flash drive
 - External Disk
 - Network drive
 - Off-site
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Existing or 2nd Disk

- Create a separate partition (requires software tool)
 - Pros
 - Simple
 - Convenient
 - Fast
 - Cons
 - No help if drive fails or computer is stolen or destroyed
 - Use a 2nd internal disk drive
 - Pros
 - Simple
 - Convenient
 - Fast
 - Cons
 - Still susceptible to theft or destruction
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Floppy or Zip drives

- Usually far too small to be useful
- Slow
- Sometimes needed for disaster recovery (boot)



Tape

- Holds massive quantities of data
 - Tapes are relatively inexpensive
 - Easily archived
 - Tape drives are fairly expensive
 - Not easily searched
 - Limited lifespan for archival
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Flash Drive

- Limited storage space
 - Larger sizes available may be sufficient for some
 - Convenient
 - Portable
 - New technologies can automate simply
 - Prices falling rapidly
 - 10-year life-span
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External Disk

- Large storage capacity
- Prices falling
- Available as in-system tray mounts or USB
- USB style is very convenient



Network Attached Storage

- Very large capacities available
- Easily shared
- Stand-alone or server
- More expensive than locally attached disk

Off-site Storage

- Most secure from local disasters or theft
- Pricy for home use



Carline's Computer Consulting

- www.carline.us
- Available to assist in my spare time

