

Digitize Your Memories

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Marshall District Library
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What is Digitizing?

Converting information into a digital format that can be processed by a computer.

Why Digitize?

- Physical media gets lost, damaged, and wears over time.
- Physical media takes up a lot of space
- Can create extra backups, including physical and cloud storage
- They can be edited and cleaned up
- Much easier to share with your friends and family
- Easier to organize
- Affordable

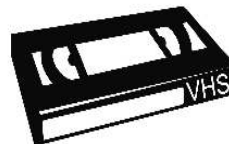
What Can I Digitize?



PHOTOS



**FILM &
SLIDES**



**VHS
TAPES**



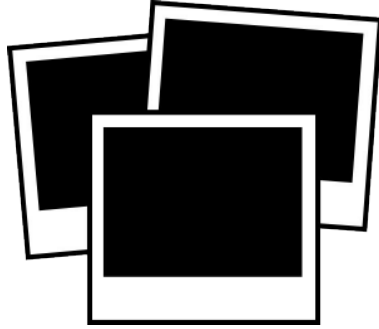
**CASSETTE
TAPES**



**DVDS
& CDS**



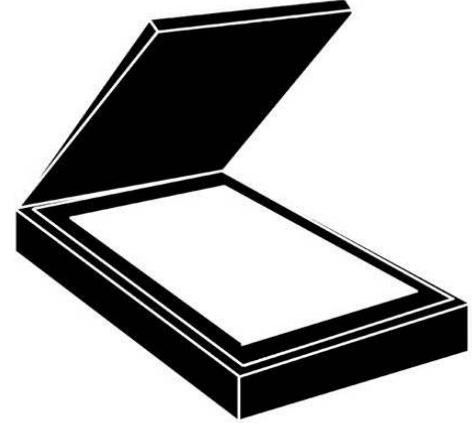
VINYL



Photos

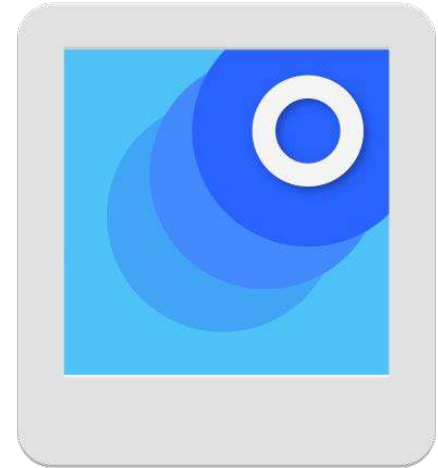
Flatbed Scanner

- + **Best quality**
- + **Capable of scanning large documents**
- + **Adapters can be used to scan negatives and slides**
- + **Software can automatically fix colors, remove dust, dirt, and scratches, and fix tears and creases**
- **Time consuming**
- **Good scanners can be pricey**
- **May have to crop photos a bit**



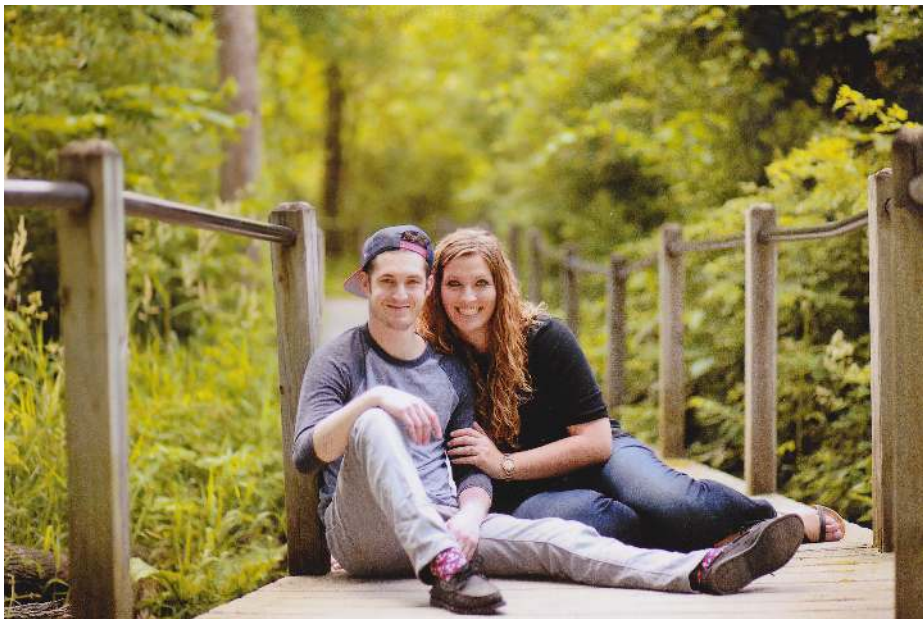
Google Photoscan App

- + Available on iOS and Android
- + Fast and easy
- + Photos are cropped automatically
- + Files can be immediately backed up to Google Photos
- Photo quality depends on devices camera and lighting
- Photos can look a bit blurry compared to a flatbed scanner
- Colors aren't quite as accurate as a flatbed scanner



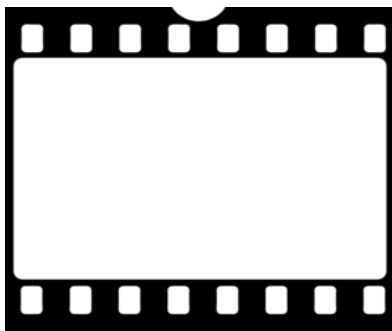
Quality Comparison

Flatbed Scanner



Google Photoscan App





Film & Slides

KODAK SCANZA

- + Can preview pictures before scanning
- + Automatic picture adjustment
- + Scans directly to an SD card
- + Very fast/easy
- Photos can look slightly out of focus/soft
- Colors can be a bit off



110 Slide



126 Slide



35mm Slide



KODAK SCANZA
Digital Film Scanner



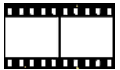
Super 8 Film



35mm Film



110 Film



126 Film

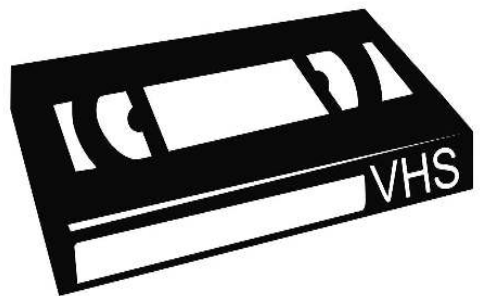
35mm Slide Captured with KODAK SCANZA



Scanning Services

- + Typically higher quality
 - + Convenient/Time saving
 - + Some offer photo restoration
-
- Expensive
 - Risk losing photos in the mail

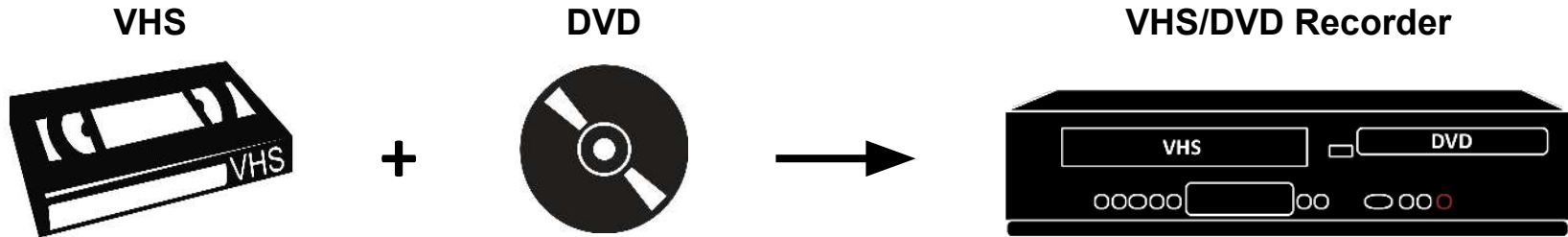




VHS Tape

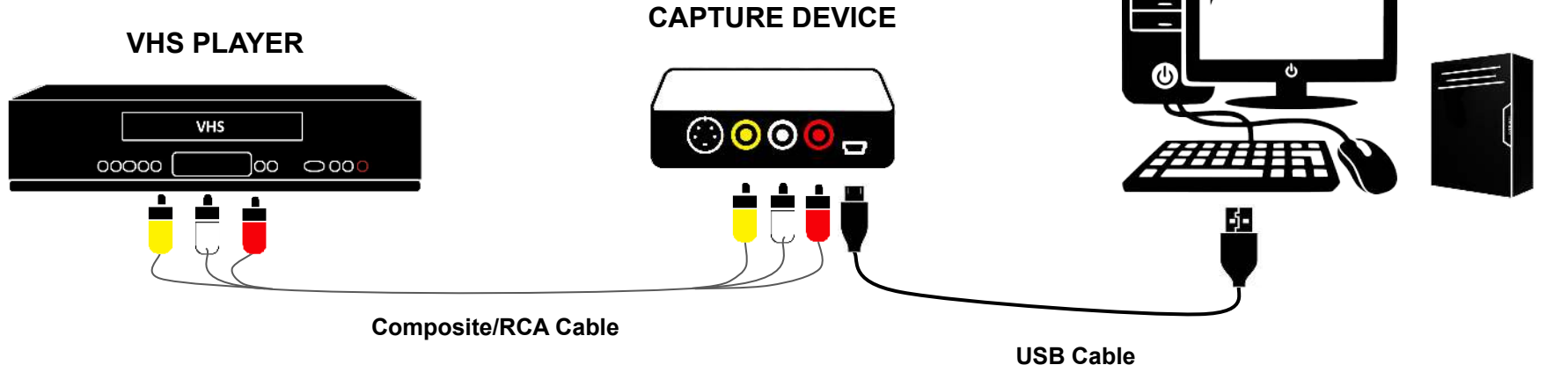
VHS to DVD

- + Fairly simple to use
- + DVDs can be played on any DVD player
- + Menus/Chapters can be added
- Slow/Records in real time
- Equipment harder to find
- DVD may not be able to hold entire VHS



VHS to Computer

- + DVDs not needed; Files stored directly to computer
- + Option to save to DVD, flash drive or cloud based storage
- Slow/Records in real time
- More equipment required
- Learning curve





DVD

DVD to Computer

- + **Stored right to computer**
- + **Easy to create backups and store in a cloud based service**
- **Slow/Records in real time**
- **Additional equipment needed for Blu-ray**



**COMPUTER W/ OPTICAL DRIVE +
VLC or Handbrake**





CD

CD to Computer

- + Can easily be added to a phone/tablet or MP3 player
- + Can create your own mix CD
- + Easy
- Can be time consuming
- Potential legal restrictions



COMPUTER W/ OPTICAL DRIVE +
iTunes or Windows Media Player

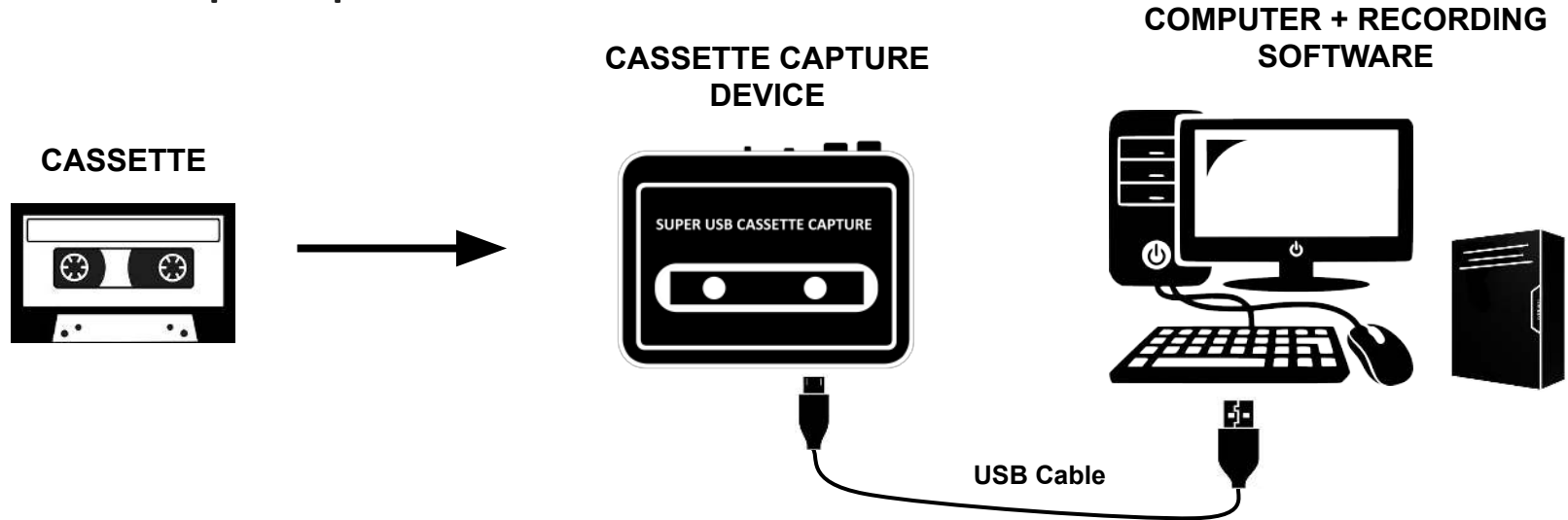




Cassette Tape

Cassette to Digital

- + Stored right to the computer
- + Easy to create backups and store in a cloud based service
- Slow/Records in real time
- Won't fix warped tape

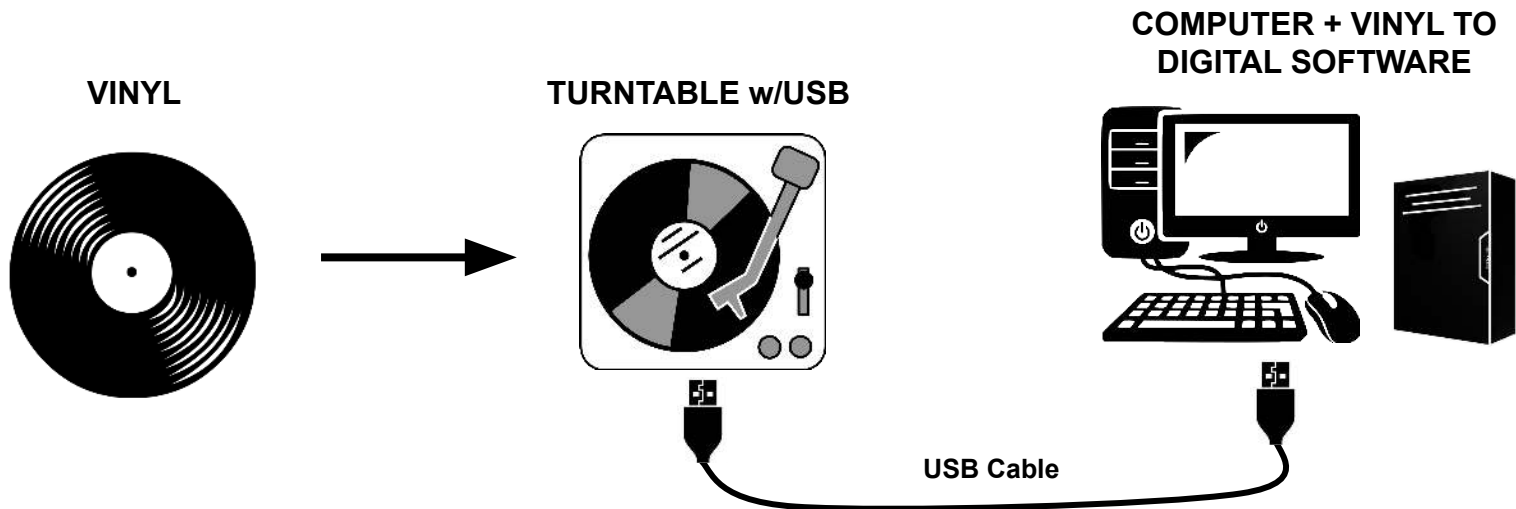




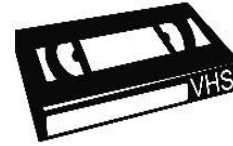
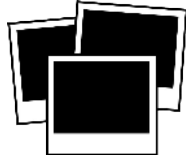
Vinyl

Vinyl to Digital

- + Stored right to the computer
- + Easy to create backups and store in a cloud based service
- Slow/Records in real time
- Won't fix damaged records



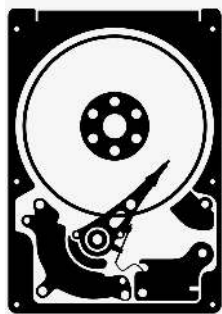
Organizing Your Content



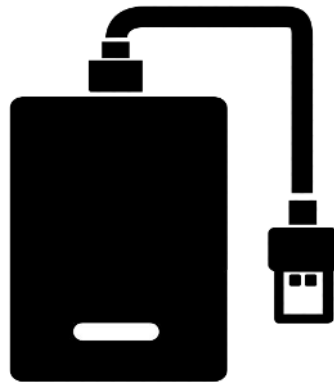
How Do You Want to Store/Backup Your Media



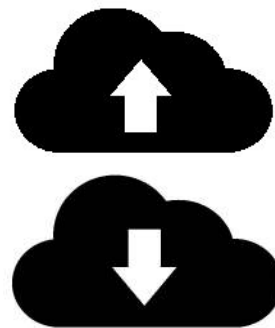
**Flash
Drive**



**Internal
Hard Drive**



**External
Hard Drive**



Cloud

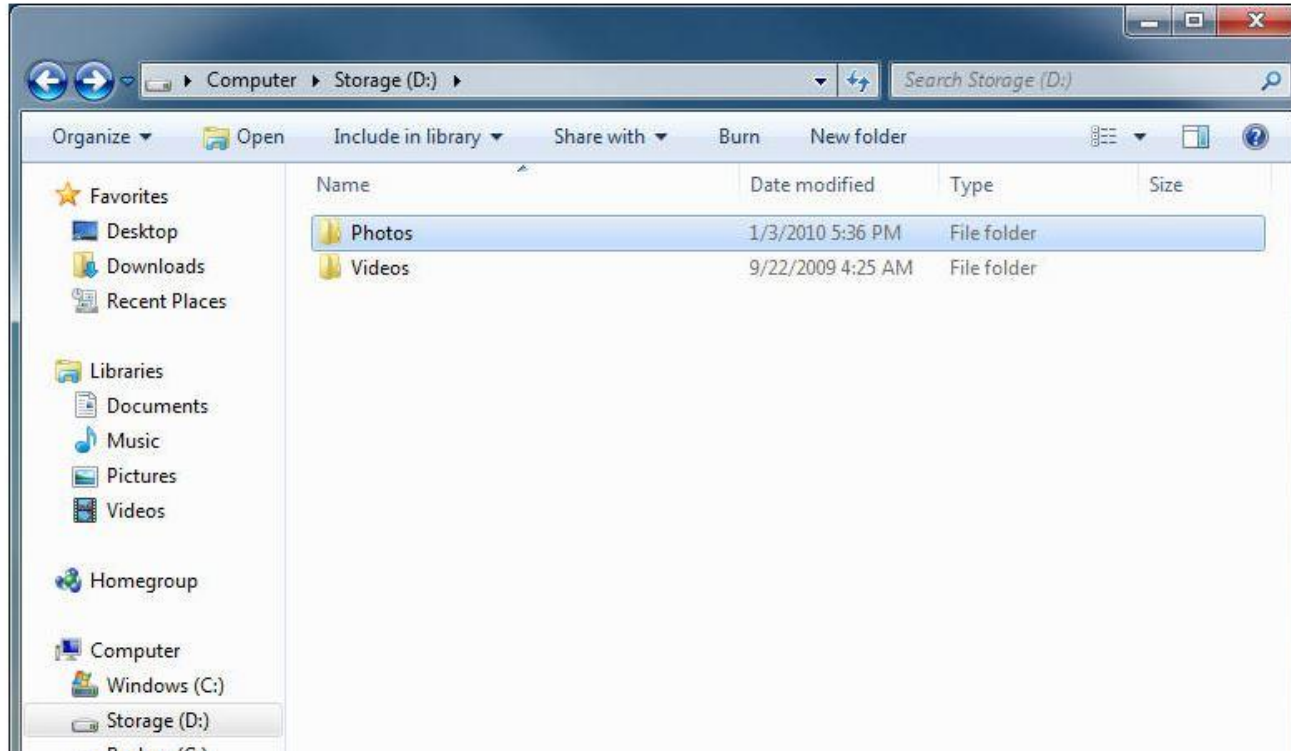
Local Storage

Hard Drive, Flash Drive, External Drive

- + You're in control
- + No 3rd party access to your digital media
- ☐ Not online so it's safe from cyber attacks/hacks
 - Have to make sure to do backups of your media yourself
 - Have to make an initial purchase of large storage container depending on how much you want to digitize
 - Harder to share with friends and family
 - If the device fails, you media could be gone

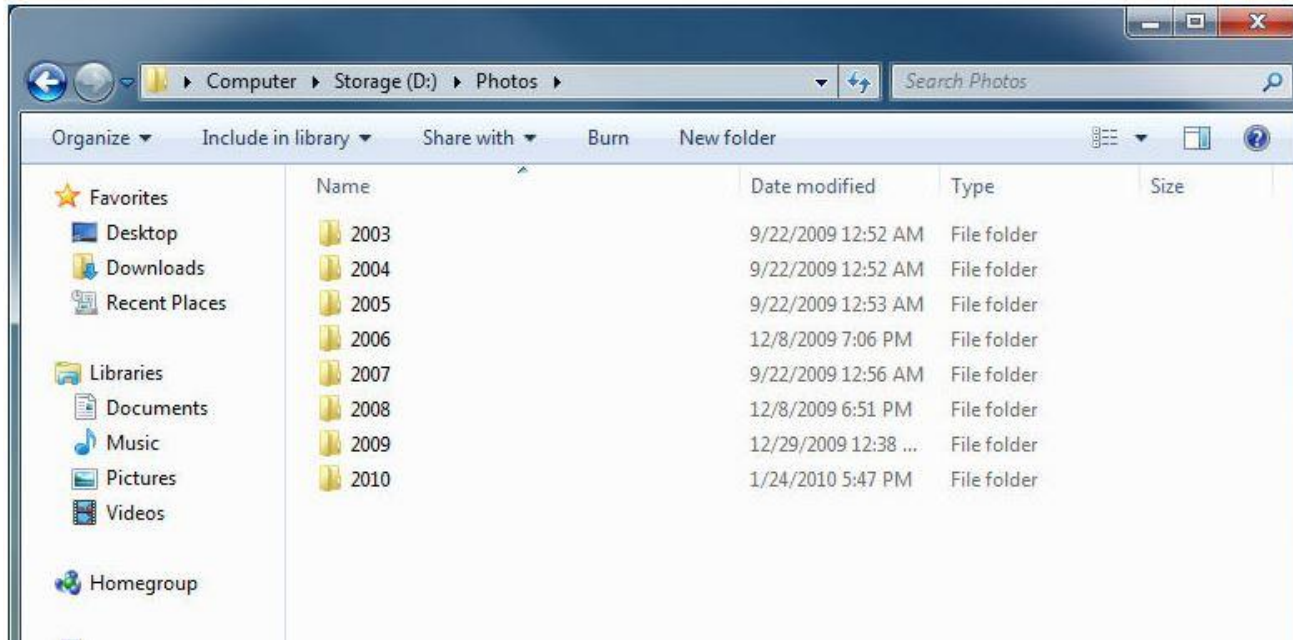
Organizing Local Storage

Hard Drive, Flash Drive, External Drive



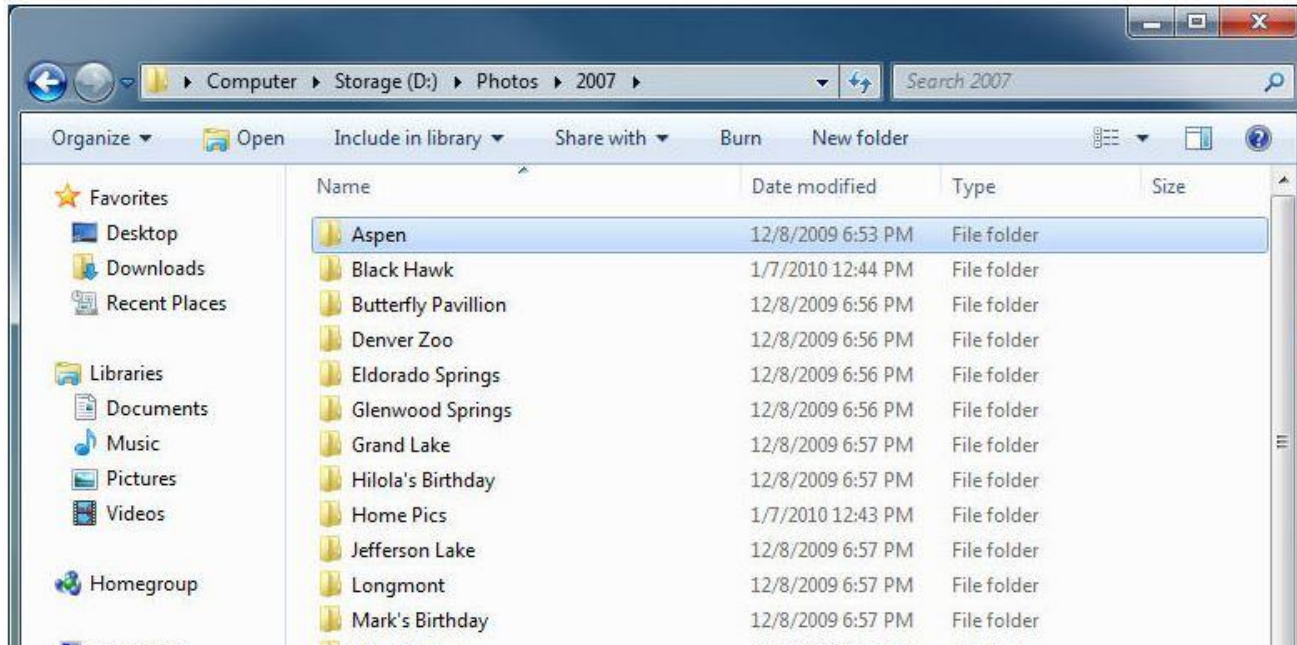
Organizing Local Storage

Hard Drive, Flash Drive, External Drive



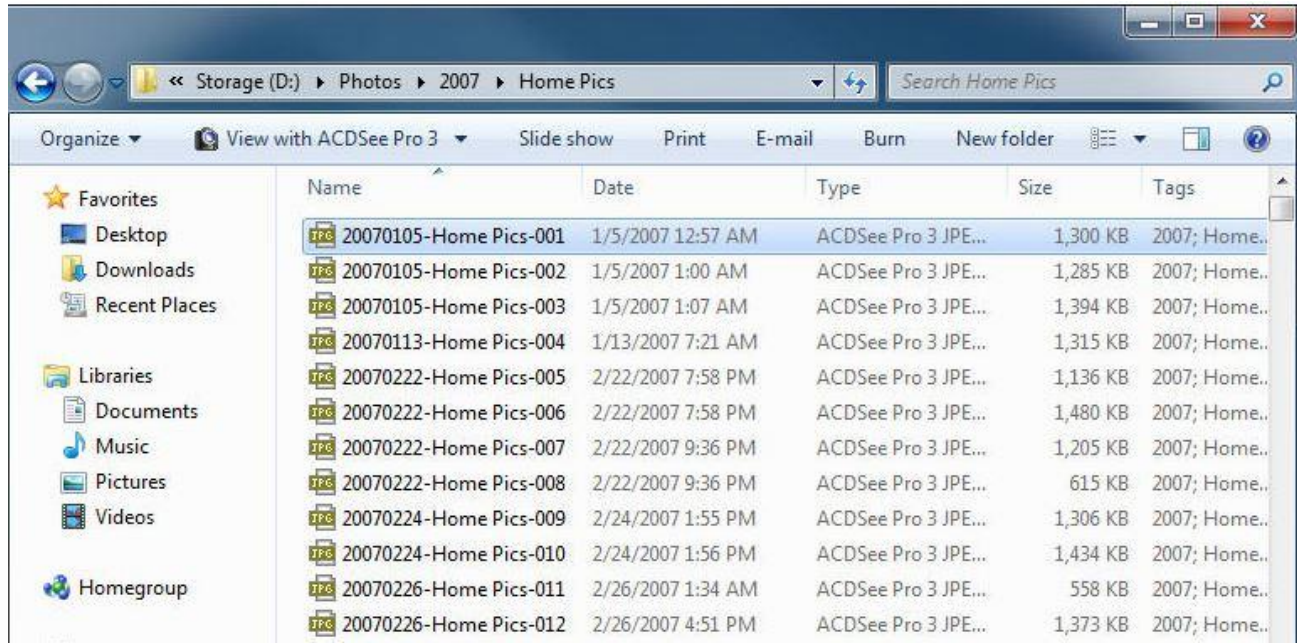
Organizing Local Storage

Hard Drive, Flash Drive, External Drive



Organizing Local Storage

Hard Drive, Flash Drive, External Drive

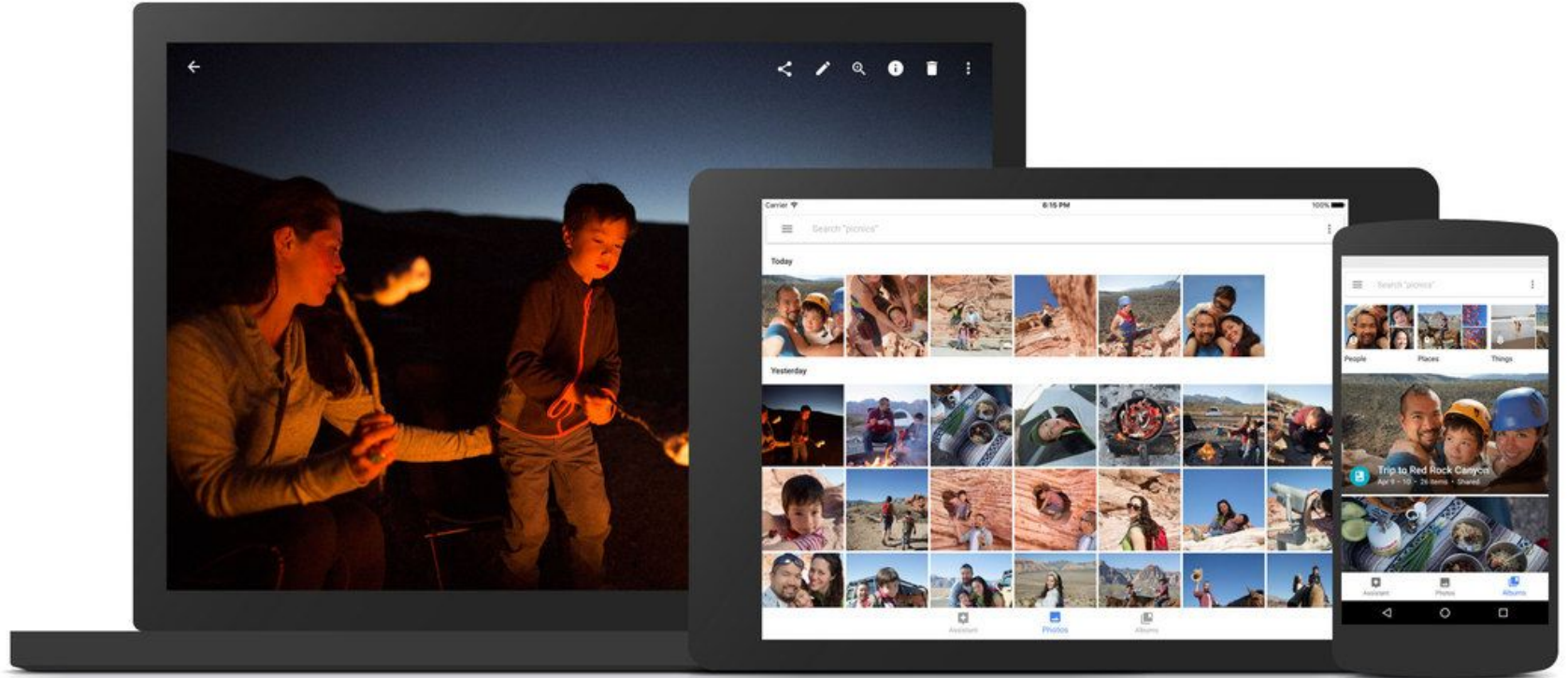


Cloud Storage

Google Photos & iCloud

- + Accessible anywhere you need it from any device
- + Does not take up space on your local device once backed up
- ☐ Easier to share with family and friends
- ☐ In some cases it can be automatically sorted using AI (Face Grouping, Location, Events)
 - May be a monthly fee depending on what backup company you choose
 - 3rd party vendor has these stored
 - Open to possible cyber attacks

Google Photos



Google Cloud Storage Plans

<p>15 GB</p> <p>Free</p> <p>Current plan</p> <p>Includes</p> <ul style="list-style-type: none">✓ 15 GB storage	<p>Recommended</p> <p>100 GB</p> <p>\$1.99 / month</p> <p>Or prepay annually (save 16%):</p> <p>\$19.99 / year</p> <p>Google One includes</p> <ul style="list-style-type: none">✓ 100 GB storage✓ Access to Google experts✓ Option to add your family✓ Extra member benefits	<p>200 GB</p> <p>\$2.99 / month</p> <p>Or prepay annually (save 16%):</p> <p>\$29.99 / year</p> <p>Google One includes</p> <ul style="list-style-type: none">✓ 200 GB storage✓ Access to Google experts✓ Option to add your family✓ Extra member benefits
<p>2 TB</p> <p>\$9.99 / month</p> <p>Or prepay annually (save 17%):</p> <p>\$99.99 / year</p> <p>Google One includes</p> <ul style="list-style-type: none">✓ 2 TB storage✓ Access to Google experts✓ Option to add your family✓ Extra member benefits	<p>10 TB</p> <p>\$99.99 / month</p> <p>Google One includes</p> <ul style="list-style-type: none">✓ 10 TB storage✓ Access to Google experts✓ Option to add your family✓ Extra member benefits	<p>20 TB</p> <p>\$199.99 / month</p> <p>Google One includes</p> <ul style="list-style-type: none">✓ 20 TB storage✓ Access to Google experts✓ Option to add your family✓ Extra member benefits

iCloud Photos

iCloud Photos

Library

Photos

Hidden

Recently Deleted

Albums

Media Types

Panoramas

My Albums

Sep 17, 2017

PhotoScan

Photos

Moments

Angela

?




September 2017

141 items






Gerald R. Ford International Airport





Sep 17, 2017

Grand Rapids, MI











Sep 17, 2017





Sep 18, 2017



Apple iCloud Storage Plans



United States (USD)

50 GB: \$0.99

200 GB: \$2.99

1 TB: \$9.99

Questions?

