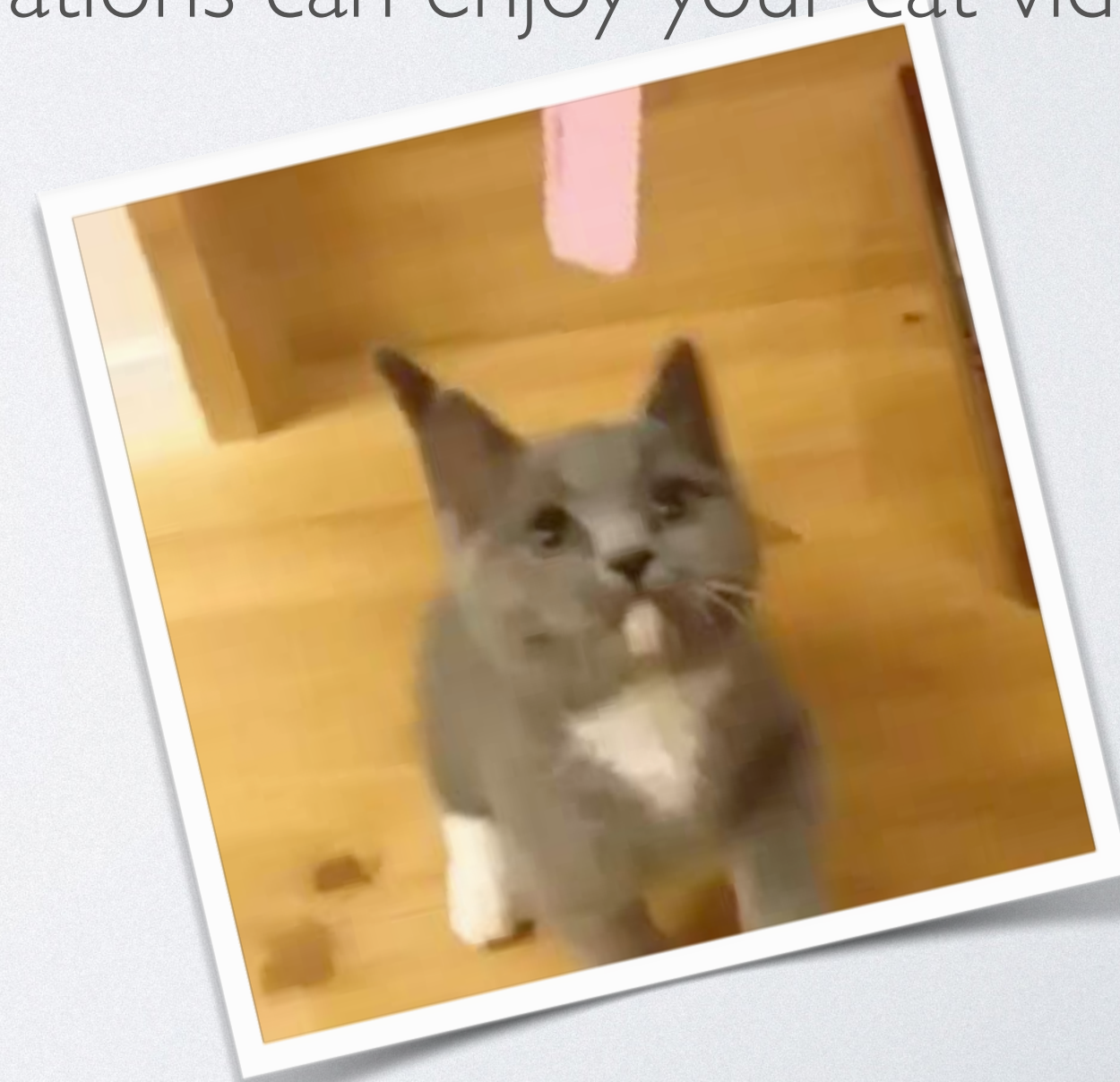


PRESERVING MEMORIES

How to convert, access and preserve your historic media so that future generations can enjoy your cat videos





© DISCLAIMER

The information provided is a technical approach to preserve media which may involve the duplication and/or transcoding of analog or digital media. It is up to the user to determine if they have legal authority to implement any of the processes defined here.

PRESERVATION STRATEGY

Migrate
Duplicate
Separate

MEDIA TYPES

Analog

Digital

Tape



Tape



Vinyl



Optical



Paper



Spinning Disk



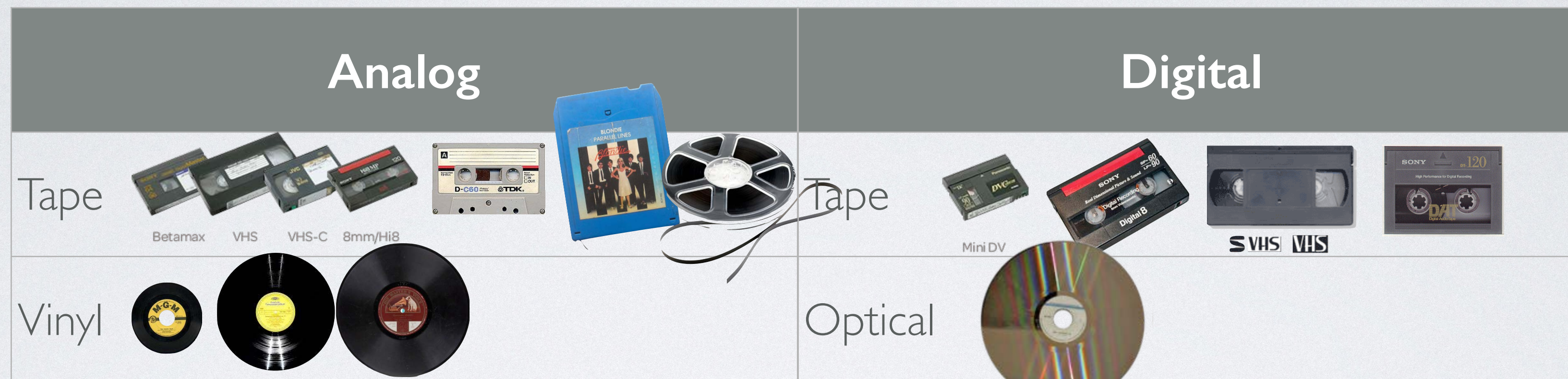
Film



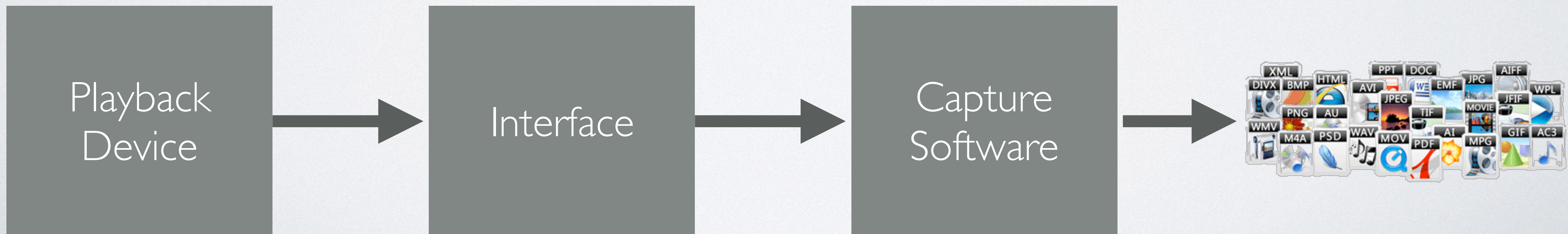
Solid State Disk



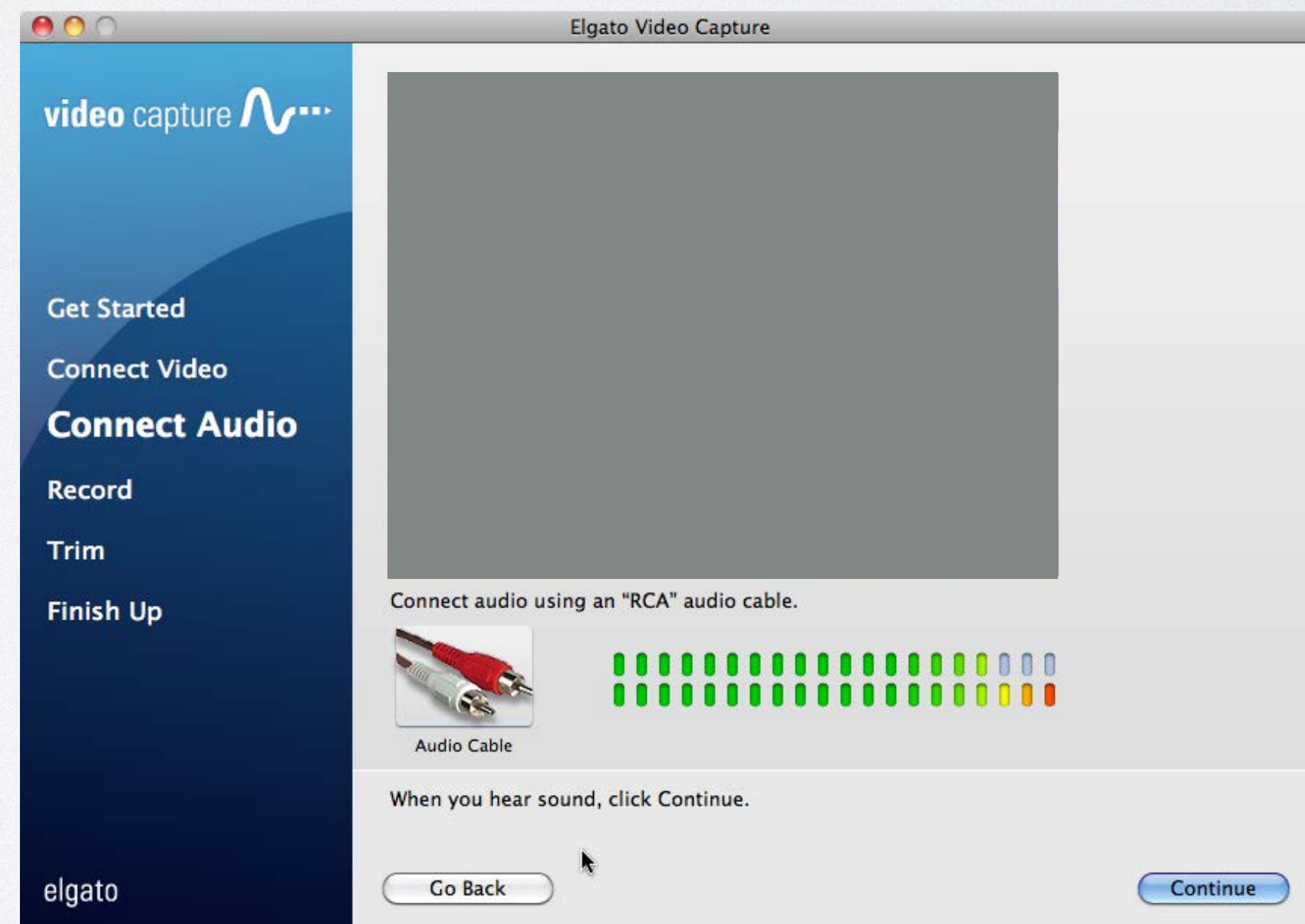
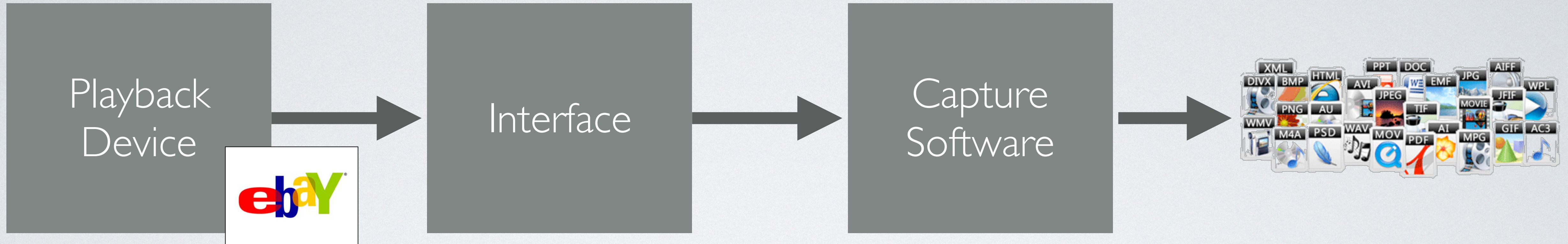
ANALOG → DIGITAL FILE CONVERSION



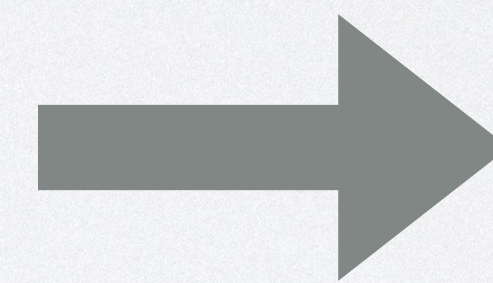
Streaming Media



ANALOG → DIGITAL FILE CONVERSION



ANALOG → DIGITAL FILE CONVERSION

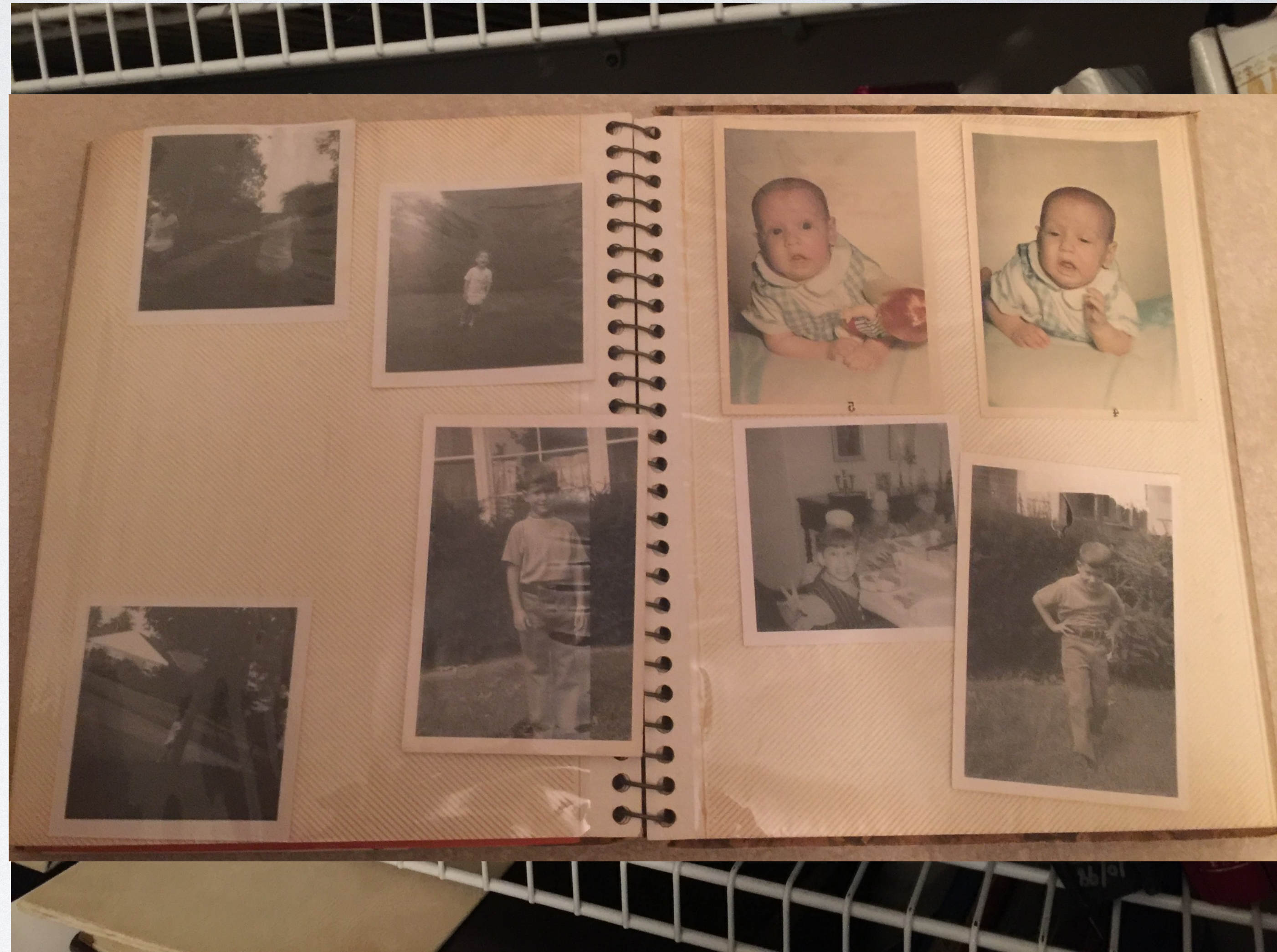


Scanner

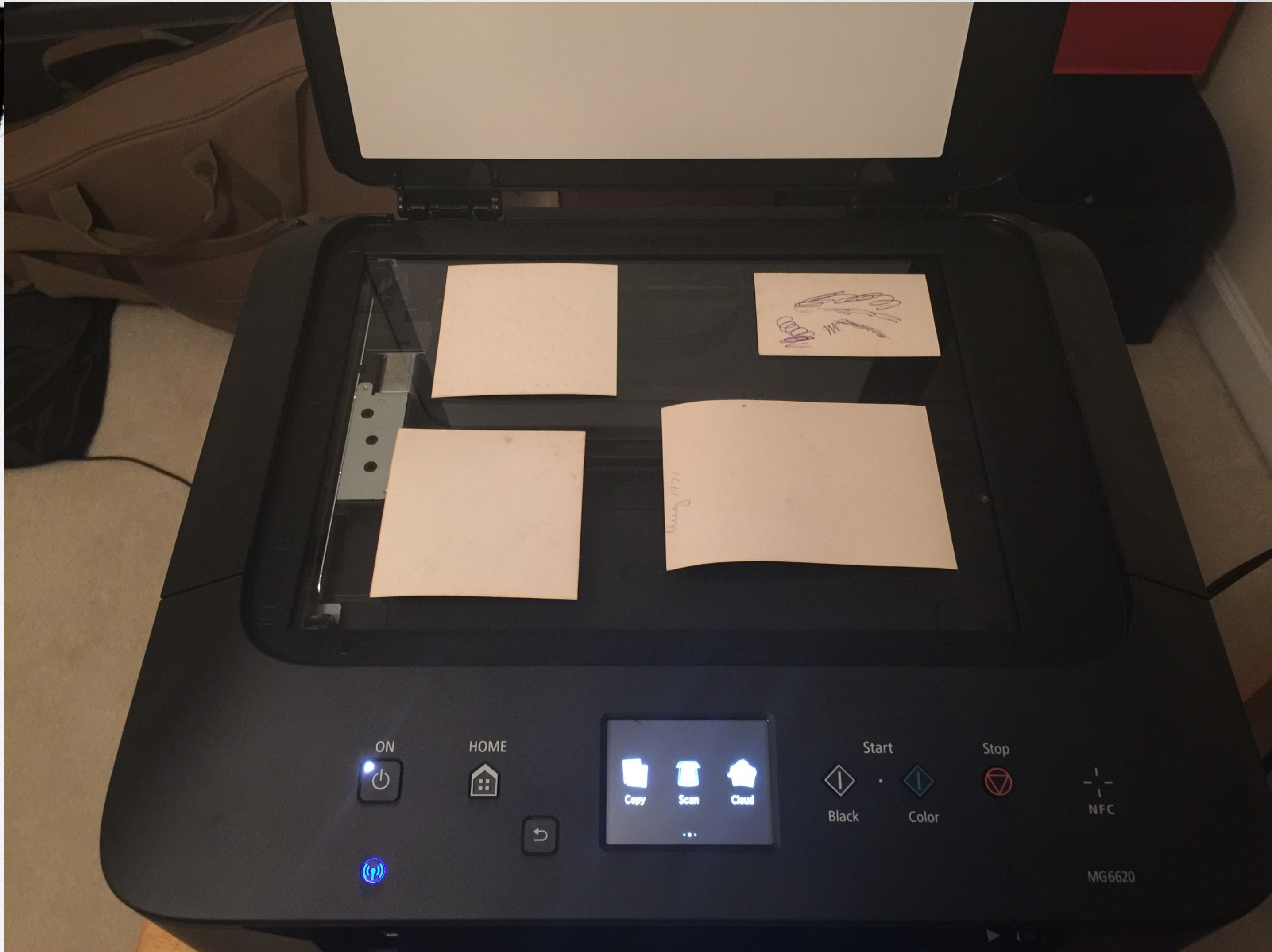
ANALOG → DIGITAL FILE CONVERSION



ANALOG → DIGITAL FILE CONVERSION



ANALOG → DIGITAL FILE CONVERSION



ANALOG → DIGITAL FILE CONVERSION



Image Capture

DEVICES 0

SHARED

Canon...0 series

Kind: Color

Resolution: 300 dpi

Use Custom Size

Size: 0 0 inches

Rotation Angle: 0°

Auto Selection: Detect Separate Items

Scan To: Desktop

Name: Scan

Format: JPEG

Image Correction: None

Image Adjustment: None

Reduce Dust: None

Fading Correction: None

Grain Correction: None

Gutter Correction: None

Unsharp Mask

Descreen

Reduce Show-through

Calibrate before each scan

Hide Details Overview Scan

ANALOG → DIGITAL FILE CONVERSION



Image Capture

DEVICES 0

SHARED

Canon...0 series

Kind: Color

Resolution: 300 dpi

Use Custom Size

Size: 3.42 3.48 inches

Rotation Angle: -0.5°

Auto Selection: Detect Separate Items

Scan To: Desktop

Name: Scan

Format: JPEG

Image Correction: None

Image Adjustment: None

Reduce Dust: None

Fading Correction: None

Grain Correction: None

Gutter Correction: None

Unsharp Mask

Descreen

Reduce Show-through

Calibrate before each scan

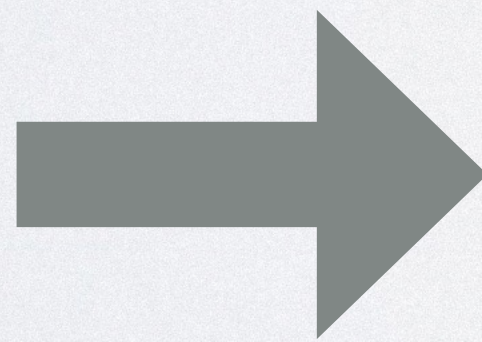
Hide Details Overview Scan



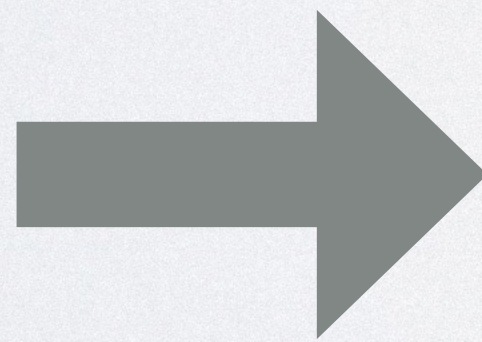
ANALOG → DIGITAL FILE CONVERSION



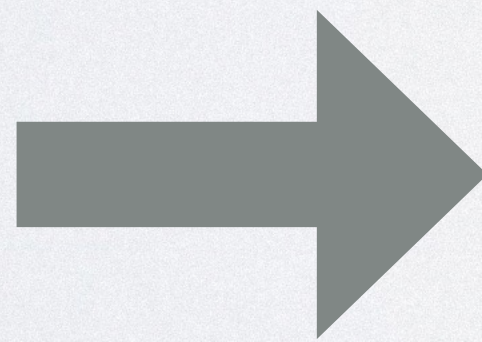
ANALOG → DIGITAL FILE CONVERSION



ANALOG → DIGITAL FILE CONVERSION



ANALOG → DIGITAL FILE CONVERSION

A screenshot of a Groupon deal for video and photo transfers. The deal is for \$17.50 for video transfers, film transfers, or slide transfers at Post Pro, a \$35 value. The deal is available in Raleigh (20.1 miles). The deal includes up to 2 hours of video transfer, 8mm or 16mm family movies, and slide transfers with up to 20 scans. The deal is limited time remaining, up to 50% off, and 110+ bought. The deal is available for purchase or as a gift. The deal is shared on social media with 1 like.

Groupon Search Groupon Raleigh / Durham

Home Local Goods Getaways Clearance Coupons Black Friday Sneak Peek

\$17.50 for Video Transfers, Film Transfers, or Slide Transfers at Post Pro (\$35 Value)

Post Pro Raleigh (20.1 miles)

Up to 2 hours of video transfer
Discount 50% Over 80 bought ~~\$35~~ **\$17.50**

8mm or 16mm family movies
Discount 50% Over 30 bought ~~\$35~~ **\$17.50**

Slide transfers with up to 20 scans
Discount 50% ~~\$35~~ **\$17.50**

Buy

Give as a Gift

Limited Time Remaining! Up to 50% Off 110+ bought

SHARE THIS DEAL Like 1

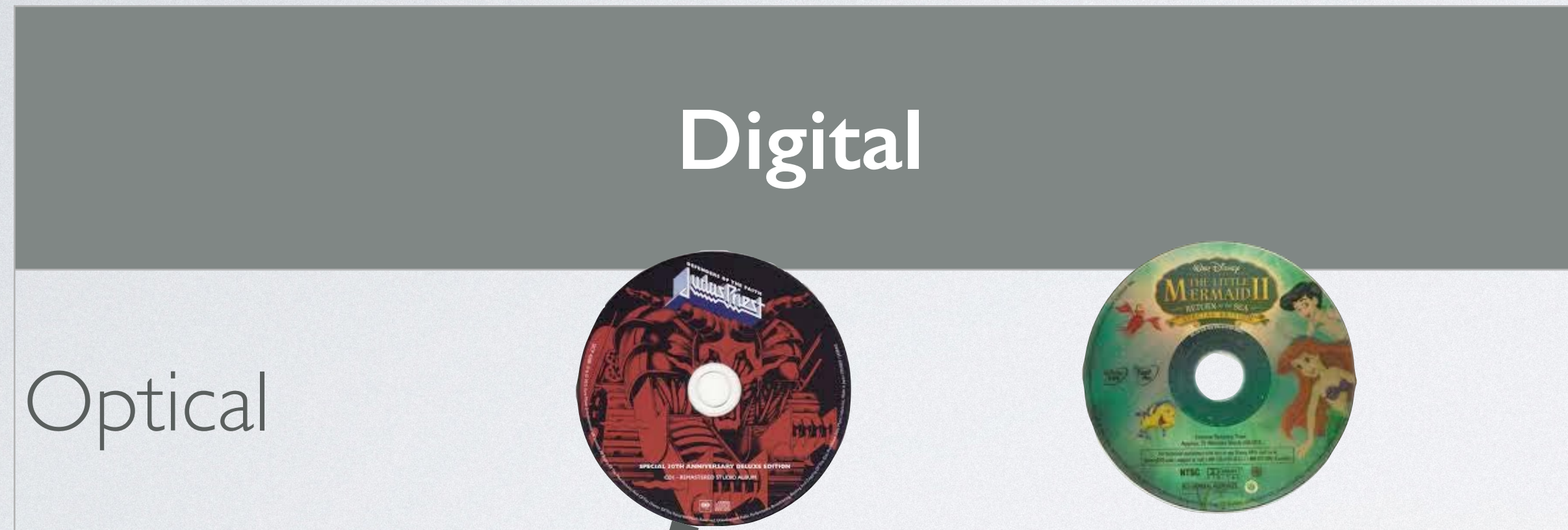
Home Theater

What You'll Get

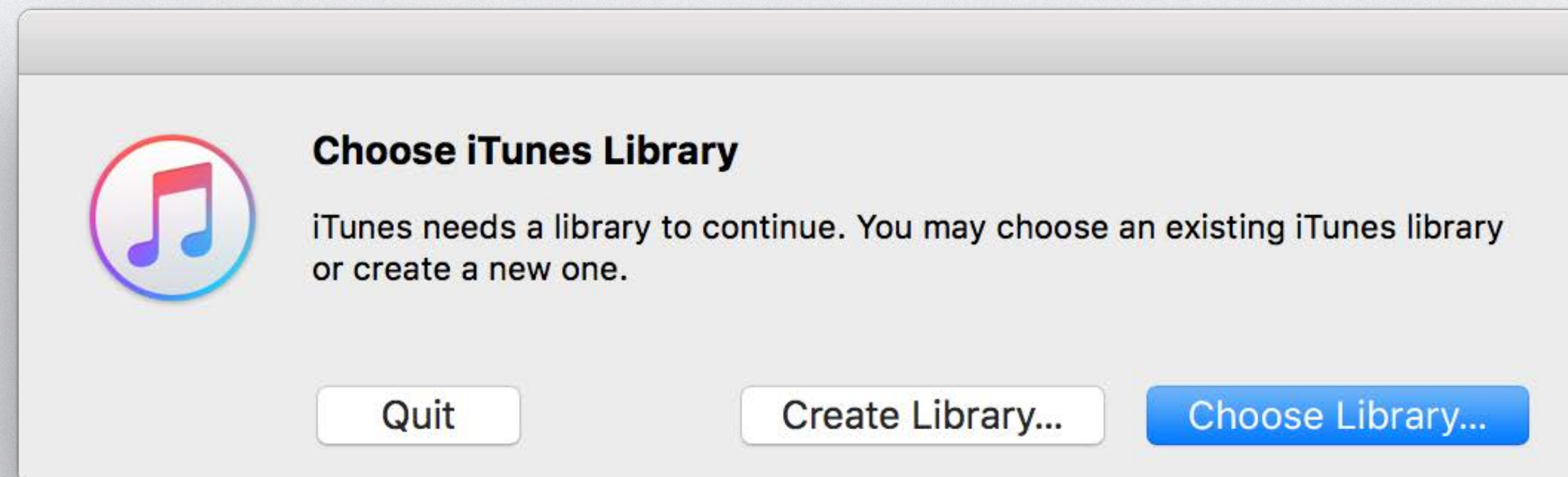
The Deal

- \$17.50 for video- and photo-transferring services (a \$35 value)

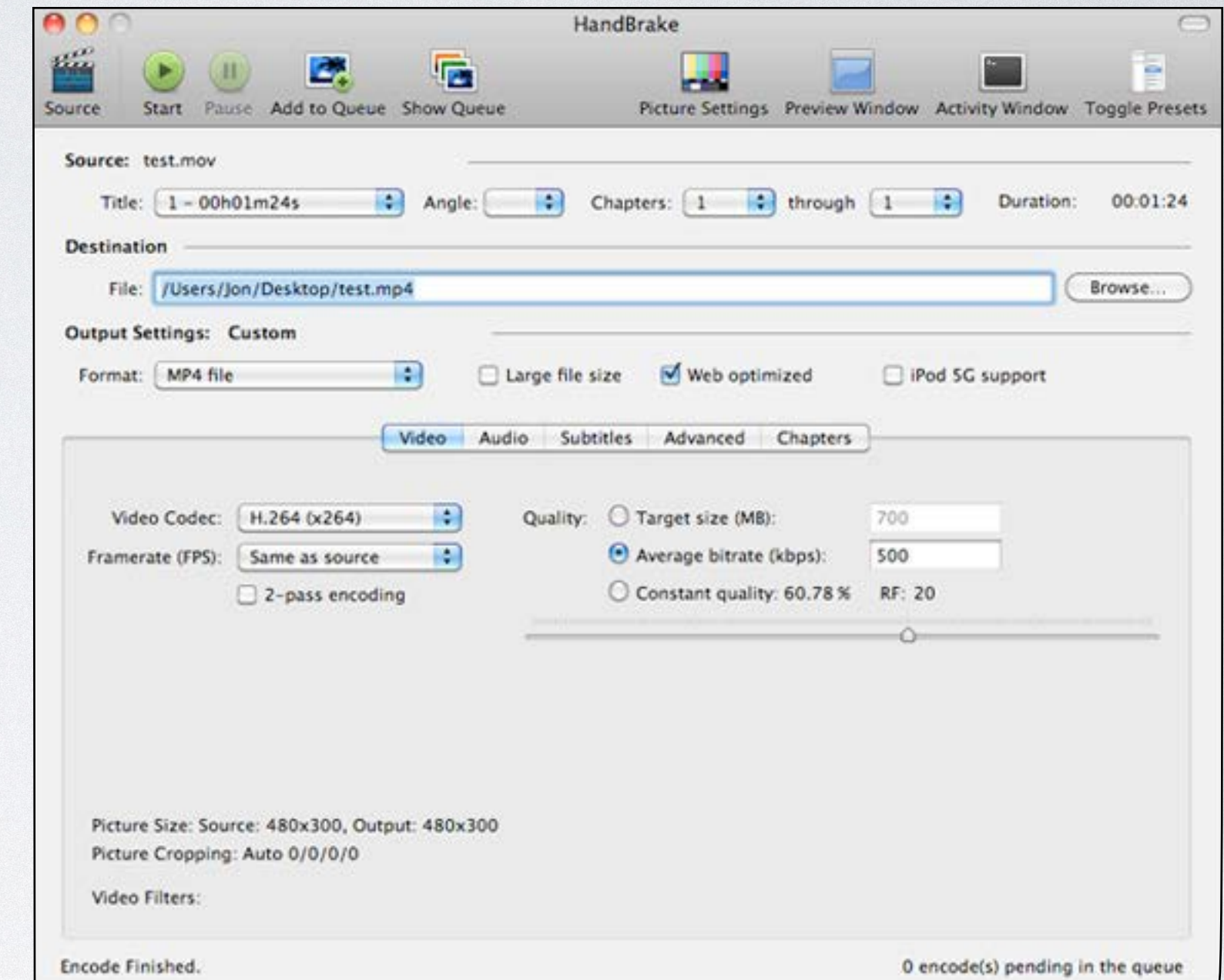
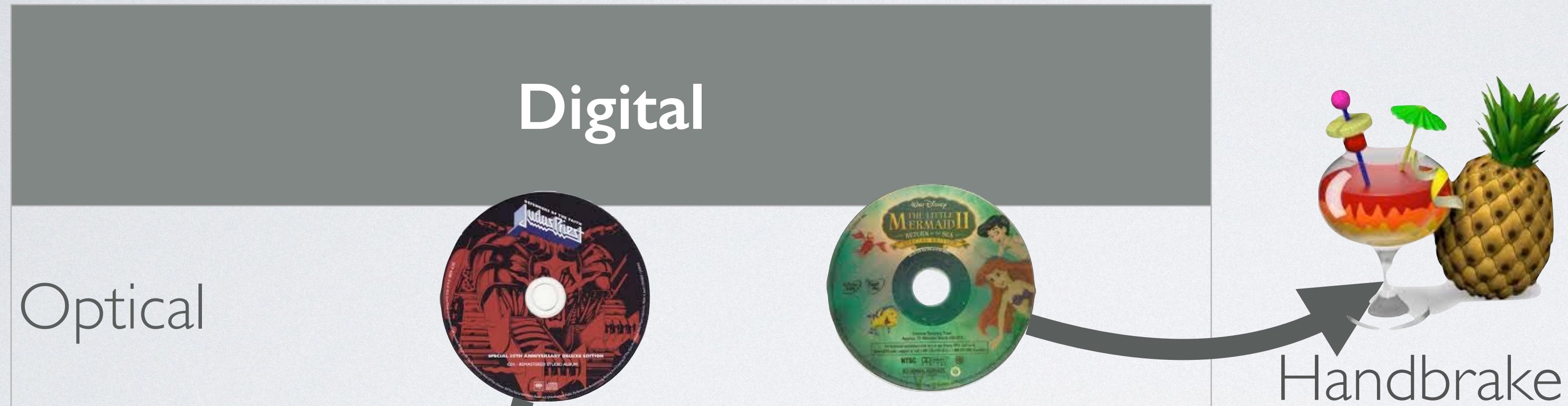
DIGITAL → DIGITAL FILE CONVERSION



iTunes



DIGITAL → DIGITAL FILE CONVERSION



iTunes

V9 TestDB

Folders (Format) 120

- DVD
 - 5 Days of War (2011)
 - 24: Season 3 (2003)
 - 24: Season 4 (2005)
 - 300 (2007)
 - Abducted (2013)
 - Another Earth (2011)
 - Assassins (1995)
 - Avatar (2009)
 - Beethoven's Christmas Adv...
 - Beginners (2010)
 - Being Human: Season 1 (2009)
 - Bite Marks (2011)
 - Brooklyn Brothers Beat the ...
 - Captain America: The First ...
 - Carjacked (2011)
 - Cars 2 (2011)
 - Chronicle (2012)
 - Conan the Barbarian (2011)
 - Contraband (2012)
 - Crime Story: The Complete ...
 - Dallas: Season 1 (2012)
 - Dante's Peak (1997)
 - The Dark Knight (2008)
 - Derby (1971)
 - The Devil Inside (2011)
 - Dragons: Gift of the Night ...
 - Elle s'appelait Sarah (2010)
 - Fading Of The Cries (2010)
 - Fast Five (2011)
 - Flypaper (2011)
 - Fright Night (2011)
 - Gabriel Iglesias Presents: St...
 - The Girl With The Dragon T...
 - The Godfather (1972)
 - The Godfather: Part II (1974)
 - The Godfather: Part III (1990)
 - The Green Lantern (2011)
 - The Grey (2011)
 - The Gruen Transfer: Series ...
 - Half Pint Brawlers (2010)
 - The Hangover 2 (2011)
 - Harry Potter And The Death...
 - Harry Potter And The Death...
 - Haywire (2011)
 - The Help (2011)
 - John Carter (2011)
 - Journey 2: The Mysterious I...

DVD

Woo... A-Z

Zero Dark Thirty

5 ACADEMY AWARD® NOMINATIONS
BEST PICTURE

ZERO DARK THIRTY

THE GREATEST MANHUNT IN HISTORY

Columbia Pictures (2012)
Action, History, Thriller
USA / UK / 376890176 / 157 mins
043396423770

DVD R

✓ #121 **IMDb**

★★★★★

Plot
The Navy Seal team 6 track down wanted terrorist Osama bin Laden

Cast [show more ↓](#)

	Jason Clarke	Dan
	Jennifer Ehle	Jessica
	Harold Perrineau	Jack

Crew [show more ↓](#)

Director	Kathryn Bigelow	
Producer	Kathryn Bigelow	
Writer	Mark Boal	
Cinematography	Greig Fraser	

All Collection Wish List Layout Total: 77, Selected: 1

[Details](#) [Statistics](#)

DIGI

RSION

Optical



iTunes

Picture Settings Preview Window Activity Window Toggle

Start: 1 through 1 Duration: 00:01:24

Browse

Web optimized iPod 5G support

Advanced Chapters

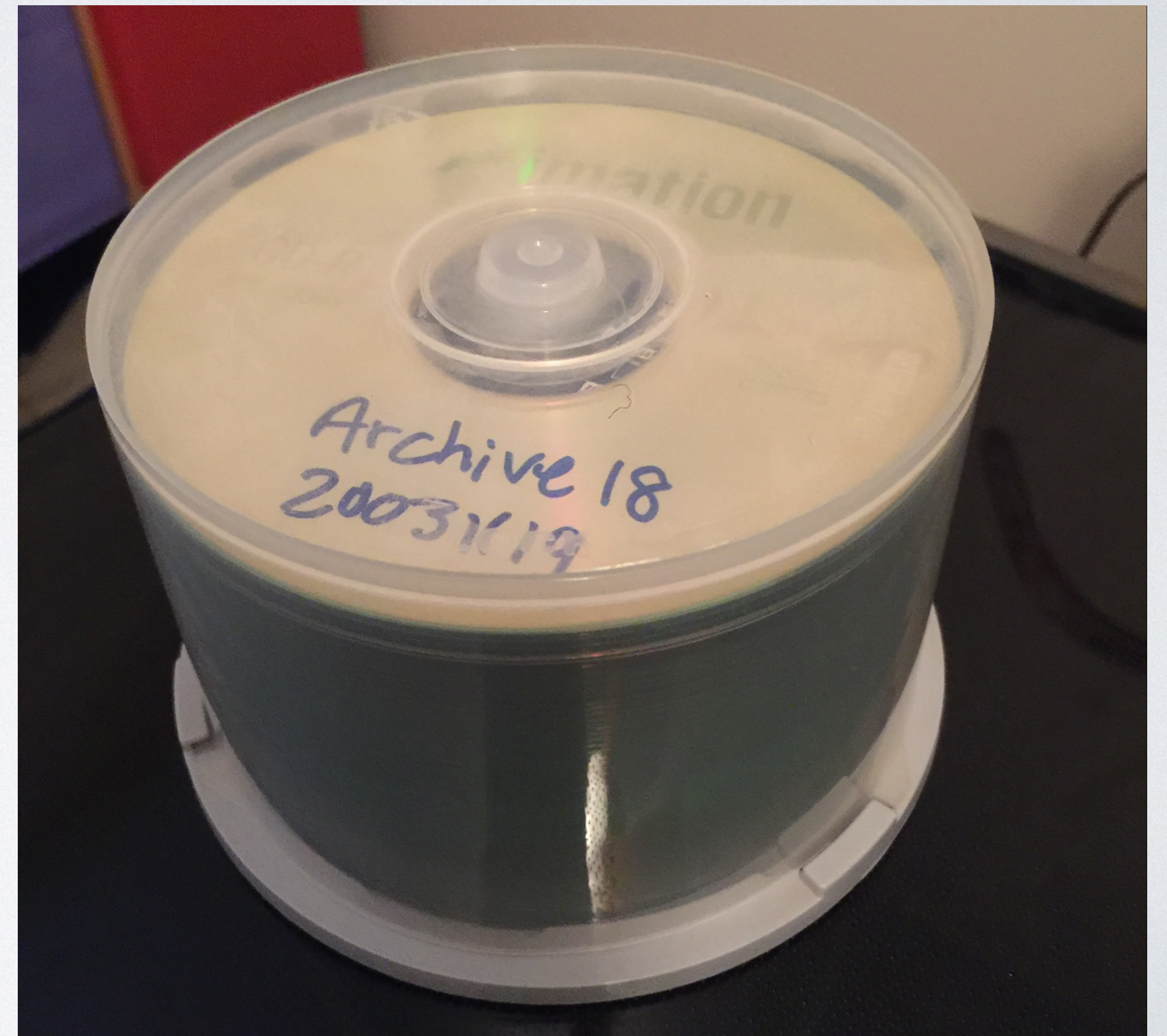
Target size (MB): 700

Average bitrate (kbps): 500

Constant quality: 60.78 % RF: 20

0 encode(s) pending in the queue

DIGITAL FILE → DIGITAL FILE CONVERSION



DIGITAL FILE → DIGITAL FILE CONVERSION



- +Magnet/weather resistant
- +Doesn't wear out
- +Universal Format
- +Low cost per GB
- +Easy to store

- Low data density
- Availability of players
- Can scratch
- Difficult to organize (offline)

DIGITAL FILE → DIGITAL FILE CONVERSION

Digital

Optical

Spinning Disk

Solid State Disk



This block illustrates various digital storage media. It features a Sony CD-R (700MB) and a Sony DVD-R (120min, 4.7GB) under the 'Optical' category. Under 'Spinning Disk', there is a 3.5-inch hard drive and a black external drive. Under 'Solid State Disk', there is a SanDisk Extreme 32GB CompactFlash card, a SanDisk Extreme PRO 64GB SD card, and a USB flash drive. The background is divided into horizontal sections: a dark grey top section with the word 'Digital', a light grey section for 'Optical', a white section for 'Spinning Disk', and a yellow section for 'Solid State Disk'.



DIGITAL FILE → DIGITAL FILE CONVERSION



+Fast

+Small

-High cost per GB

-Easily lost

-Hard to catalog/label



DIGITAL FILE → DIGITAL FILE CONVERSION



+Fast

+Small

-High cost per GB

-Easily lost

-Hard to catalog/label



DIGITAL FILE → DIGITAL FILE CONVERSION

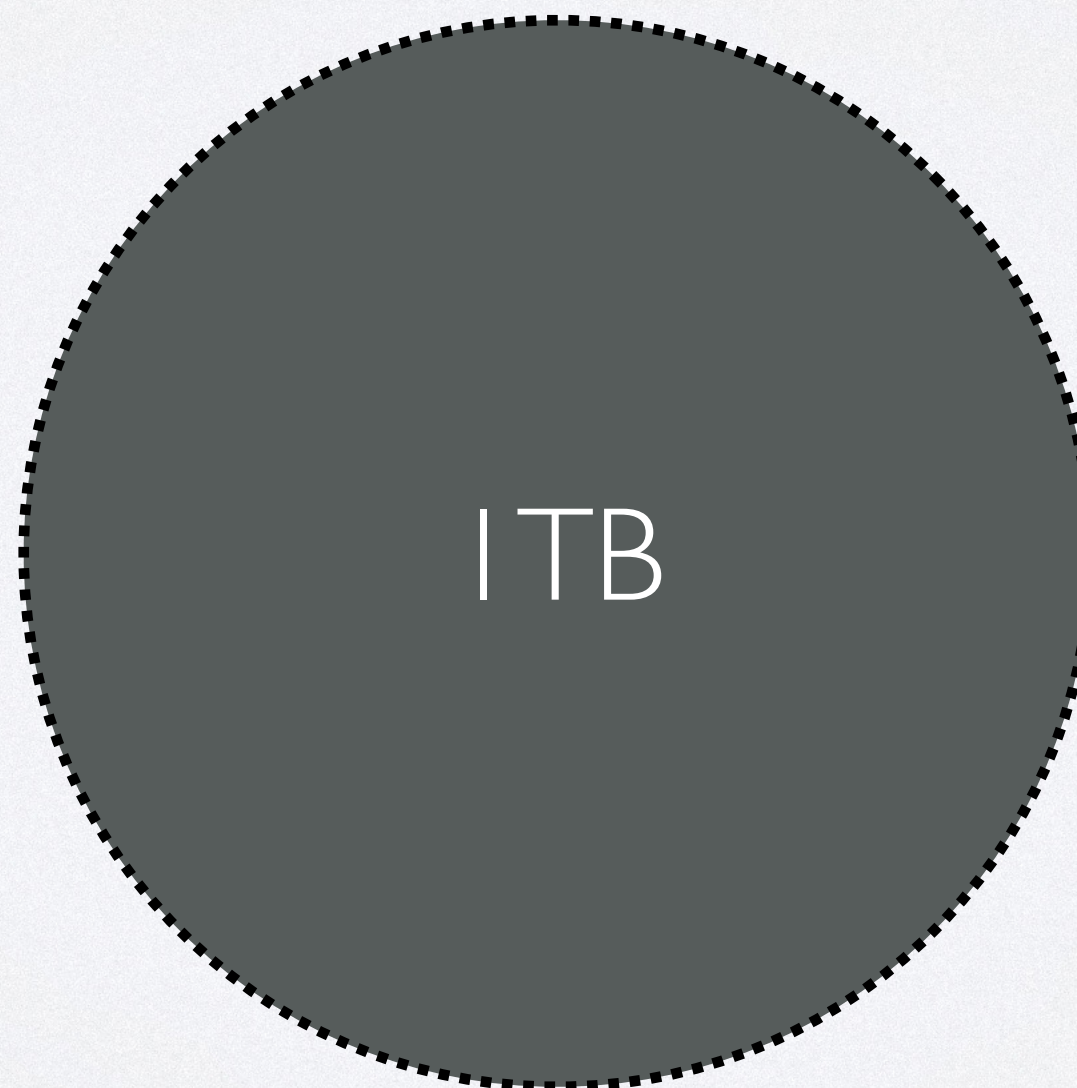
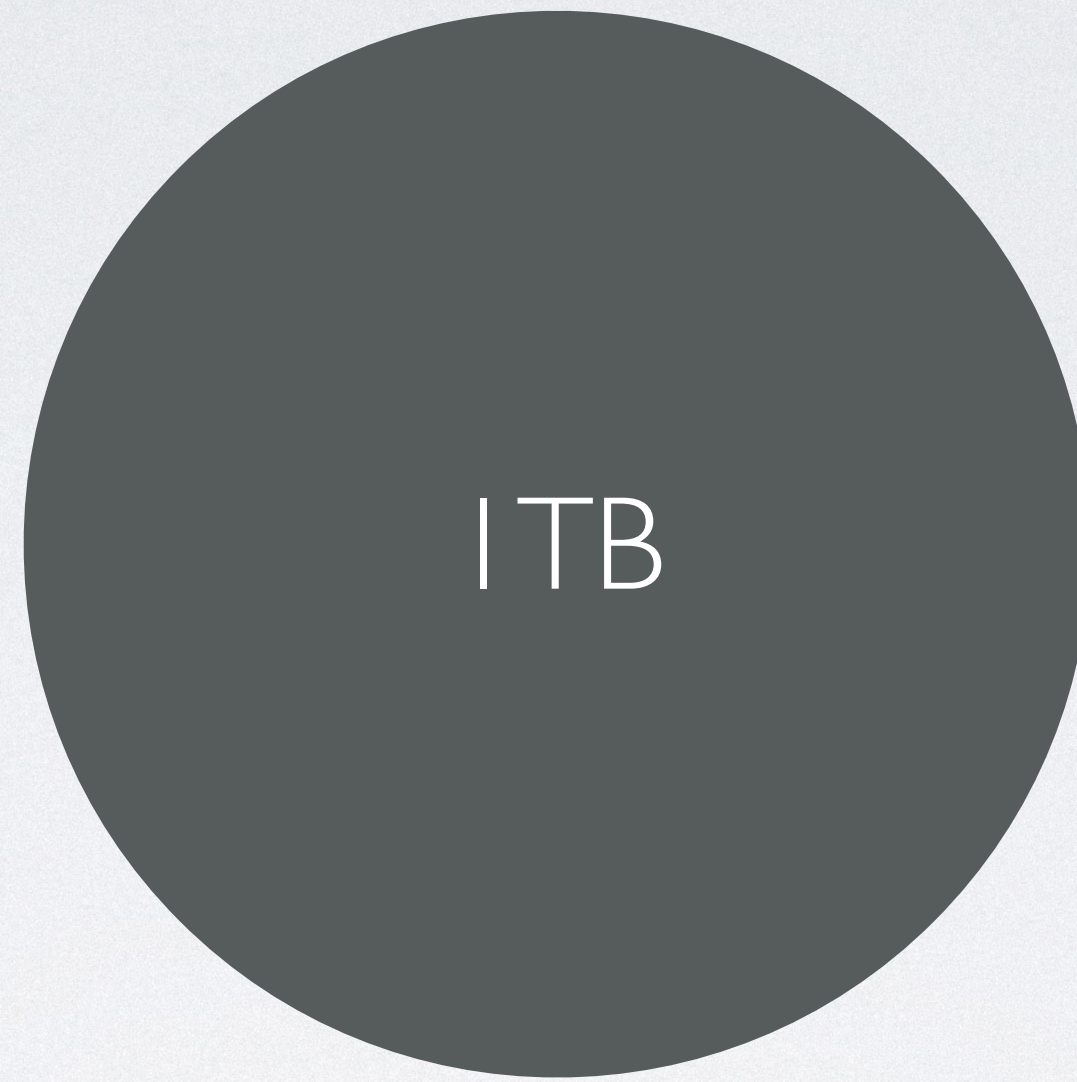


box \$540/Year
Dropbox \$750/Year
Google Drive \$1200/Year

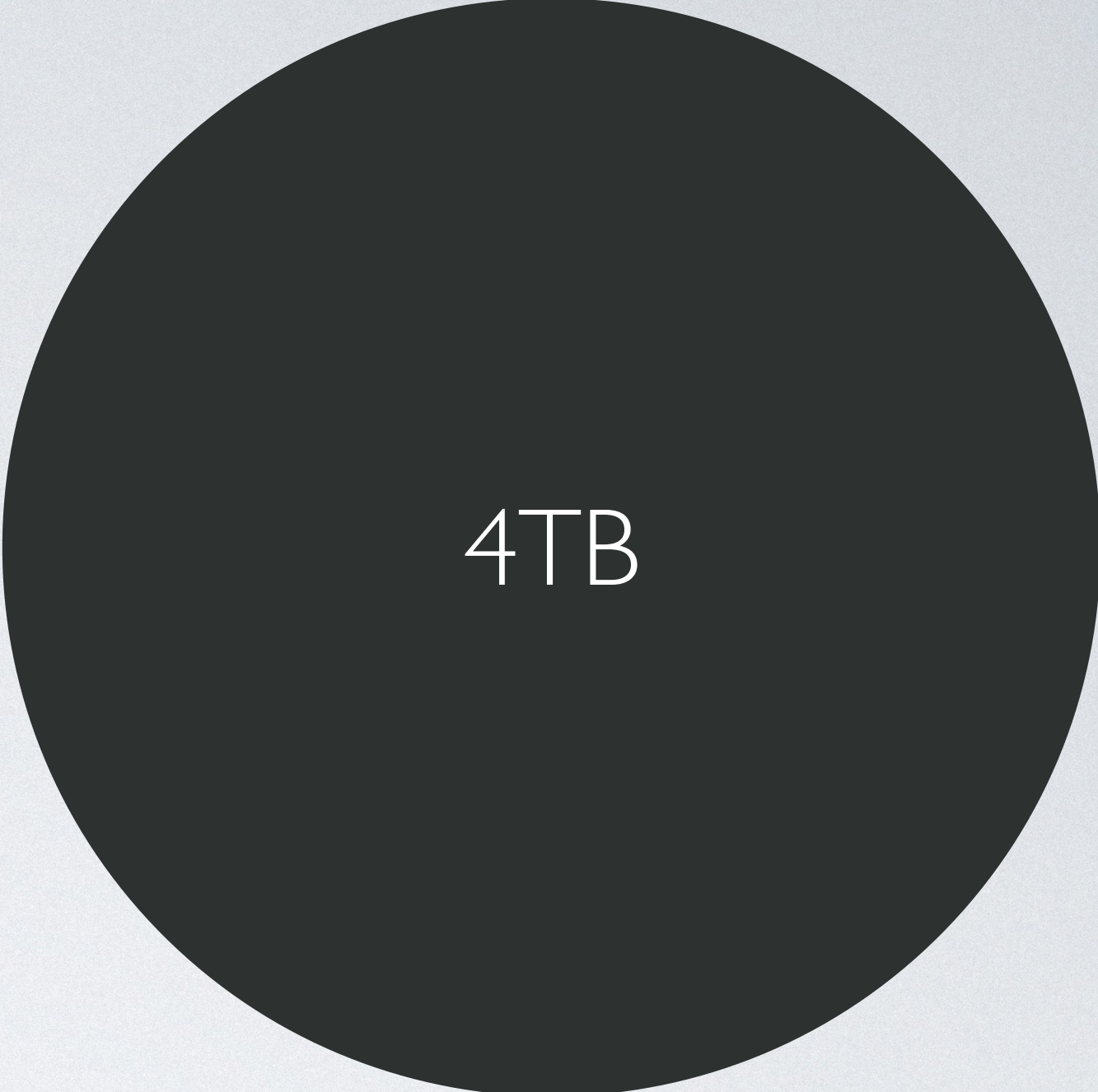
SPINNING DISK



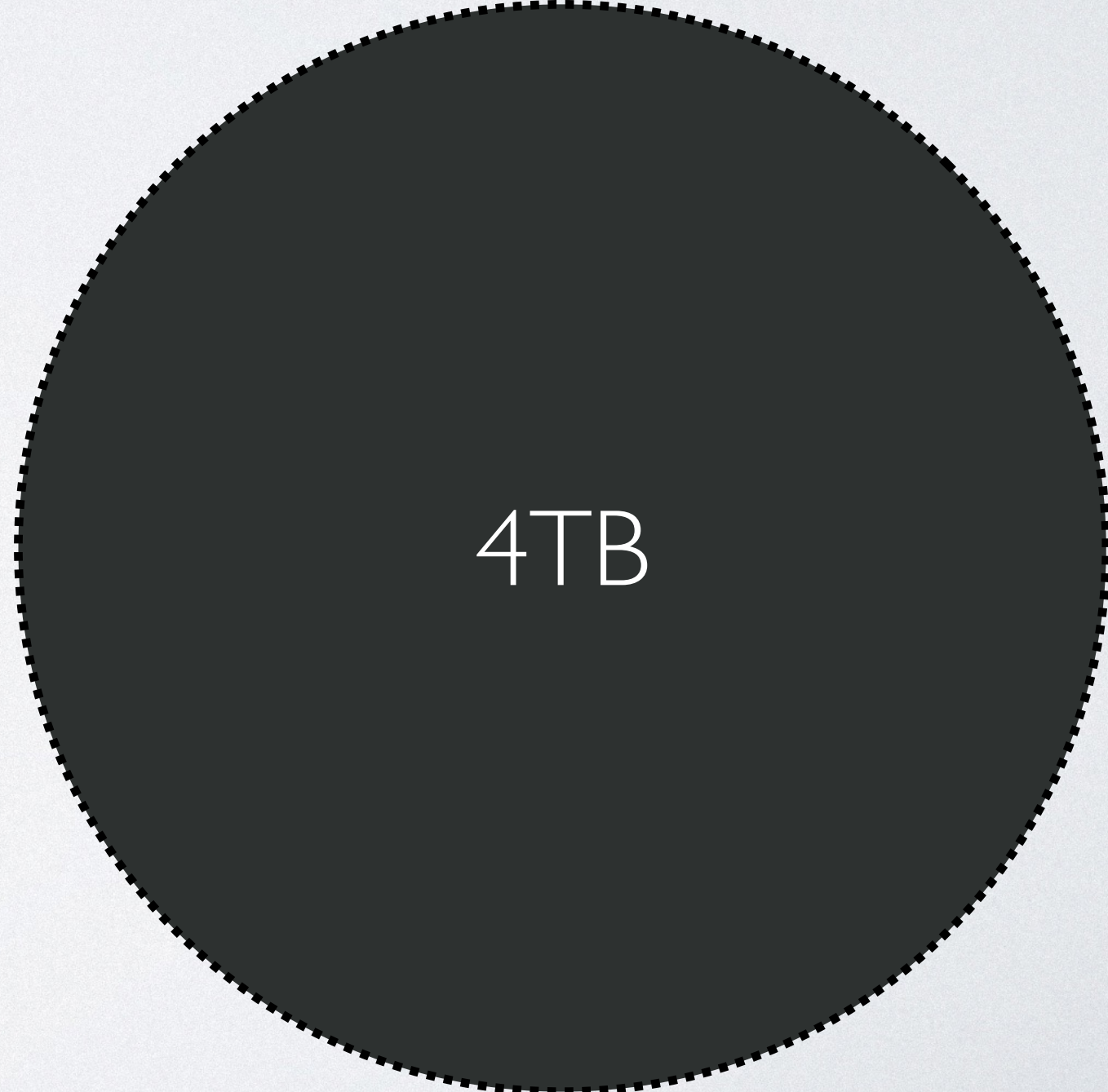
SPINNING DISK



SPINNING DISK

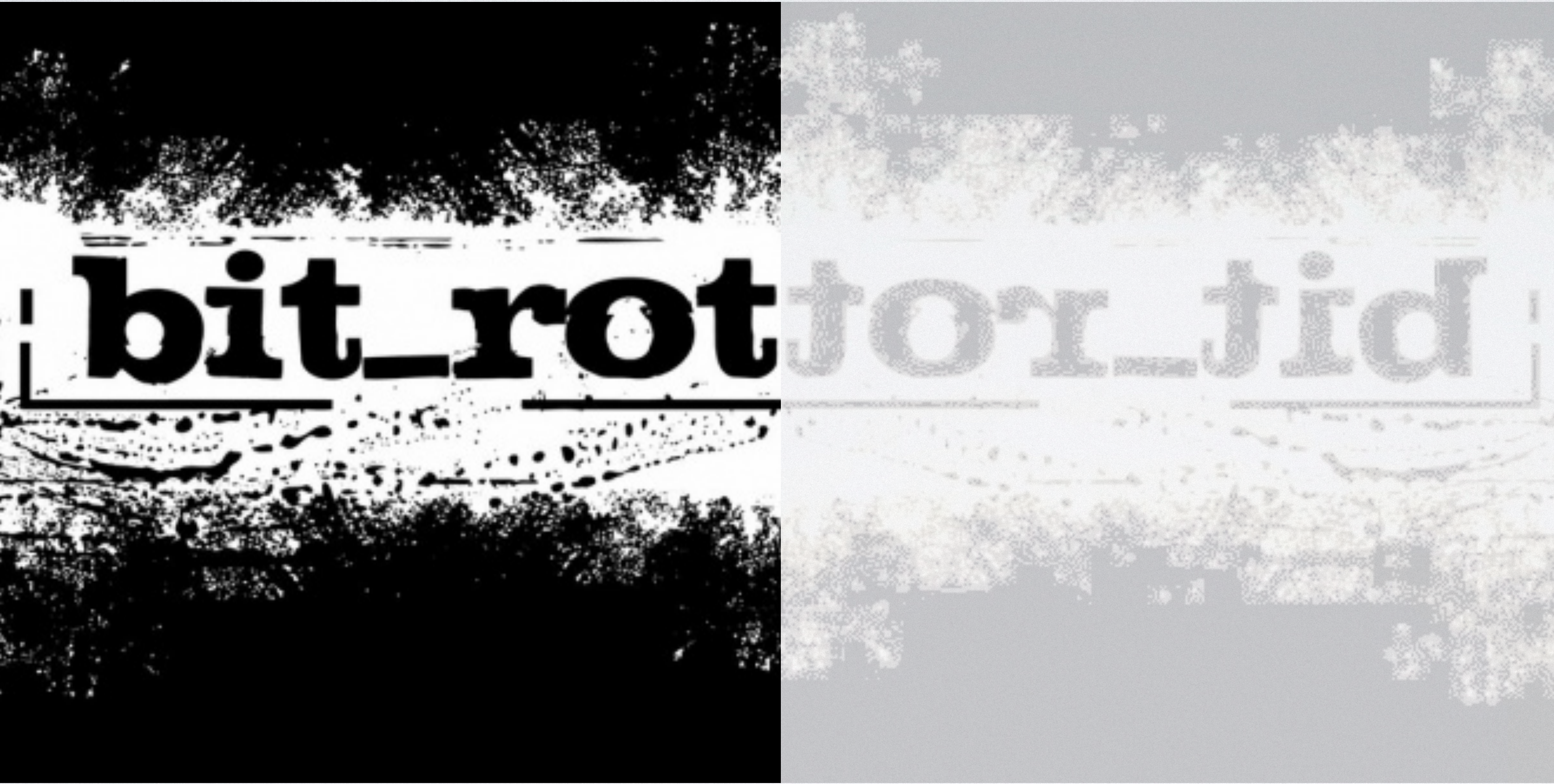


4TB

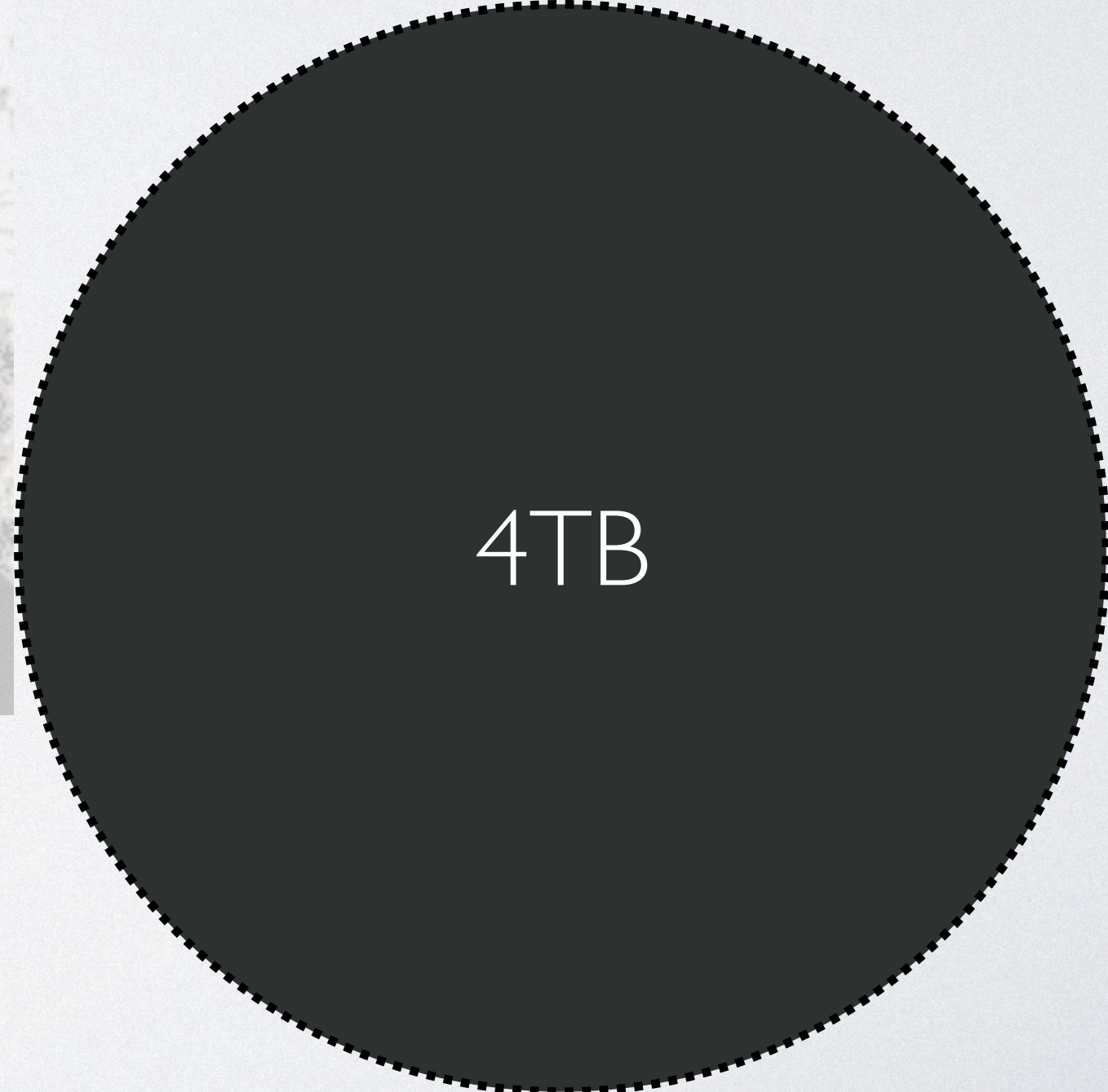


4TB

SPINNING DISK



4TB



4TB

SPINNING DISK



Media Store Main



Media Store Mirror

Duplicate
Separate

TASKS + -

- Untitled
Manual: Media Main → Media Sto...

Task Plan for "Untitled"




CCC will clone **Media Main** to **Media Store Mirror**. Only items that have been modified since the last backup task will be copied.

Next Run: This task will run when you click the "Clone" button.

Last Run: Sunday, September 18, 2016 at 10:08 PM

VOLUMES

- Macintosh HD
499 GB PCI Volume
- Media Main
5.0 TB USB Volume
- Media Store Mirror
5.0 TB USB Volume

SOURCE	DESTINATION	SCHEDULE
 Media Main 2.45 TB used	 Media Store Mirror 2.33 TB free	 Run when I click "Clone"
Clone: All files	SafetyNet: <input checked="" type="checkbox"/> ON Modified and deleted files will be cached as space allows on the destination.	Email: Don't send email

SPINNING DISK



Media Store Main



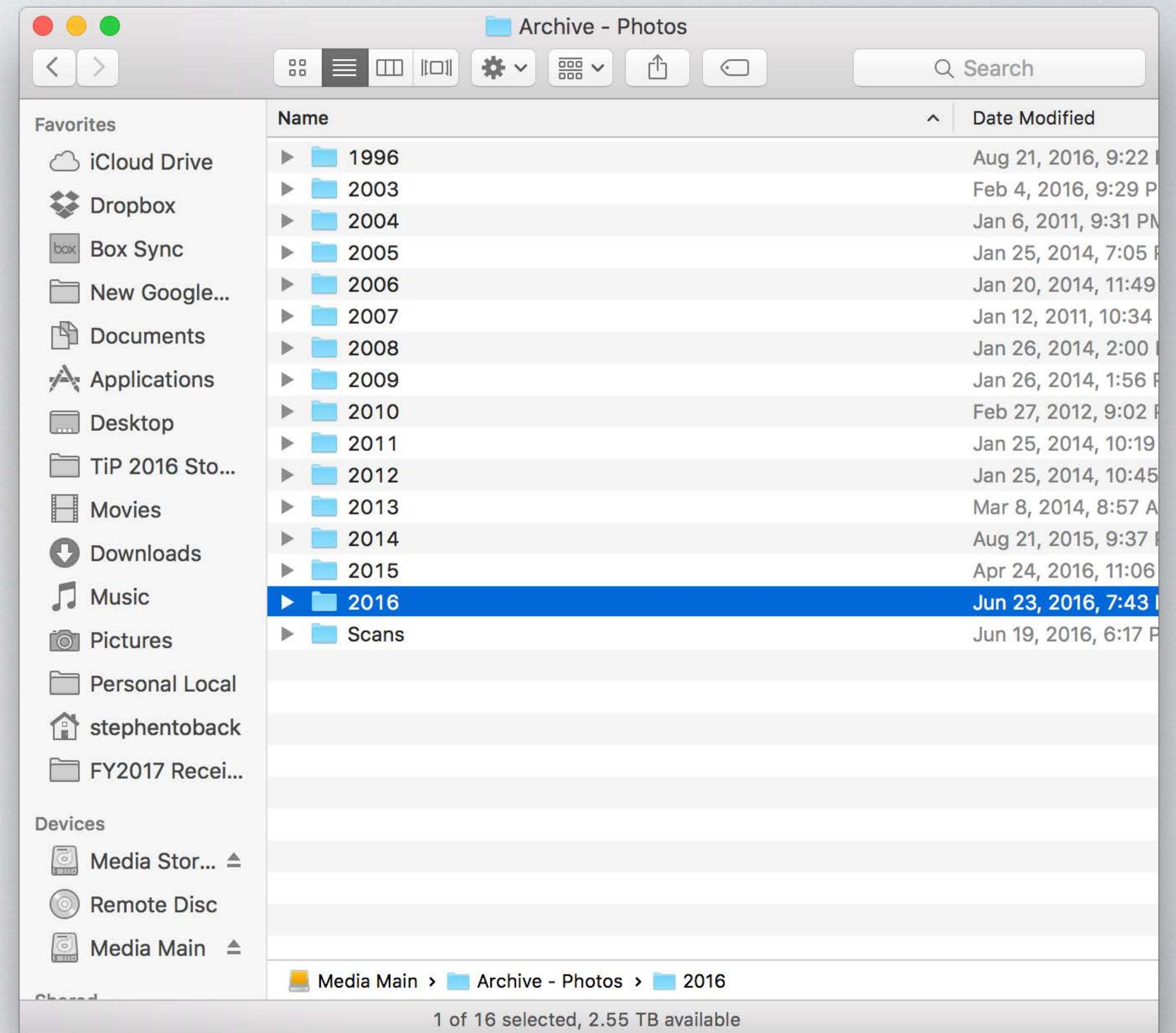
Media Store Mirror

Duplicate
Separate



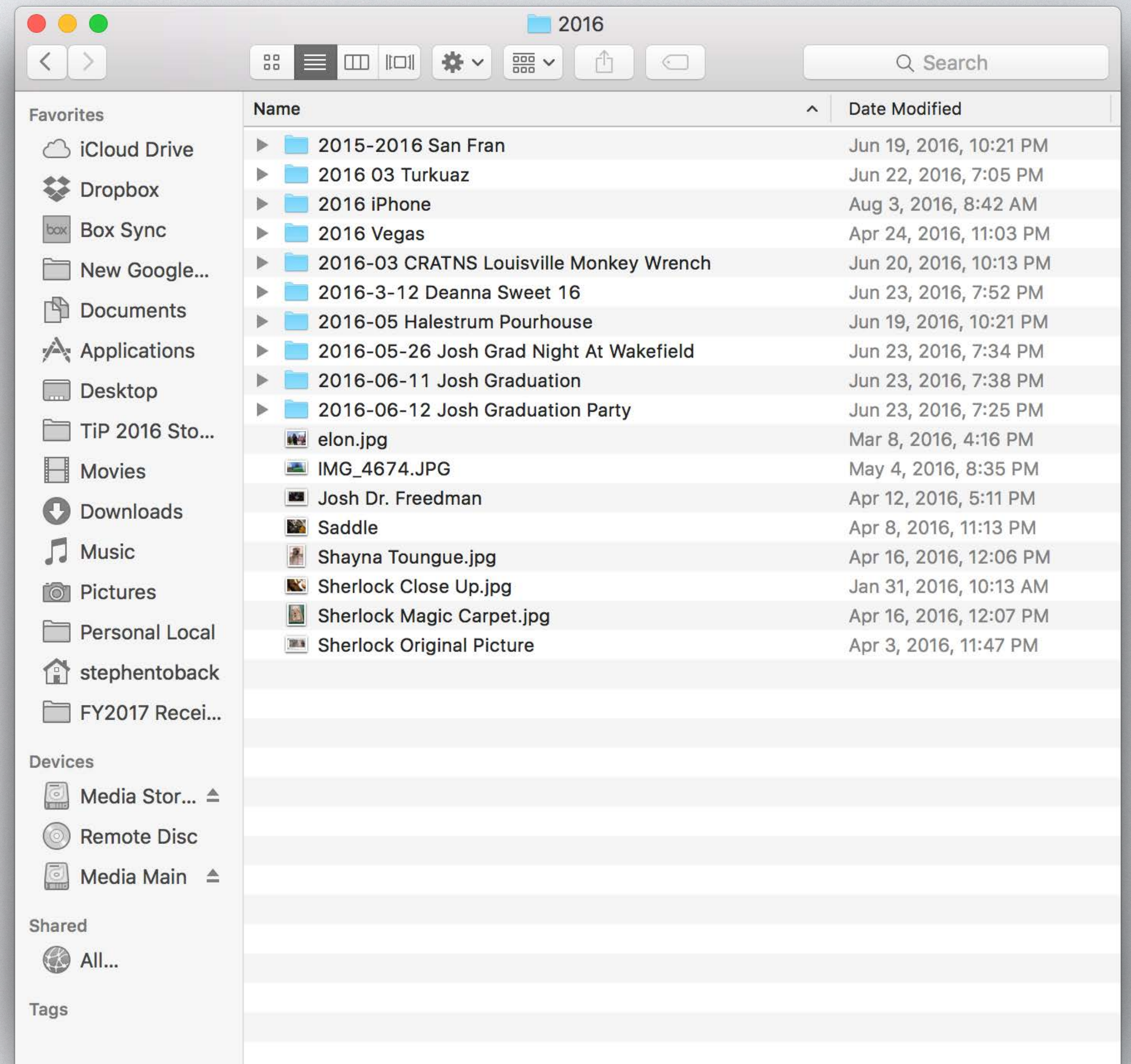
MANAGING YOUR FILES

- Metadata, Shmetadata



MANAGING YOUR FILES

- Metadata, Shmetadata



- Albums (28)
- People (106)
- Folders (4,359)
- MacBook-Pro-128 (86,251)
 - Media Main (86,251)
 - Archive - Photos (86,251)
 - 1996 (196)
 - 2016 Photos (3,895)
 - 2015 (2,203)
 - 2014 (8,224)
 - 2013 (10,641)
 - 2013_12_24 (8)
 - 2013_12_08 BTL The...
 - 2013_12_07 (101)
 - 2013_11_27 (50)
 - 2013_11_24 (49)
 - Miss Teen USA (313)
 - 2013_10_04 (690)
 - 2013_09_26 (20)
 - 2013_09_25 (4)
 - 2013_09_23 (9)
 - 2013_09_22 (2)
 - 2013_09_21 (261)
 - 2013_09_20 (13)
 - 2013_09_15 (25)
 - 2013_09_12 (1)
 - 2013_09_05 (132)
 - 2013_09_03 (2)
 - 2013_09_01 (18)
 - 2013_08_29 (55)
 - 2013_08_18 (56)
 - 2013_08_17 (111)
 - 2013_07_29 (5)
 - 2013_07_28 (11)
 - 2013_07_27 (37)
 - 2013_07_26 (72)
 - 2013_07_24 (104)
 - 2013_07_23 (70)
 - 2013_07_25 (25)
 - 2013_07_22 (93)
 - 2013_07_21 (83)
 - 2013_07_20 (146)
 - 2013 Lisa iPhone (1,...

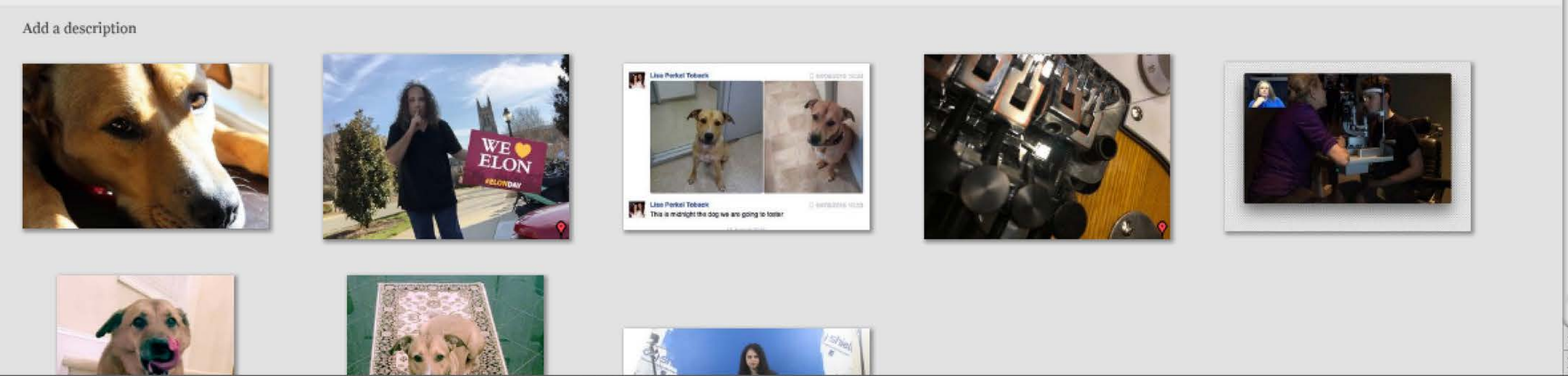
1996 Aug 21, 2016

Upload



2016 Photos Jan 31, 2016

Upload



1,149 pictures Dec 1, 2012 to Jul 5, 2013 2.1 GB on disk

Import

Filters

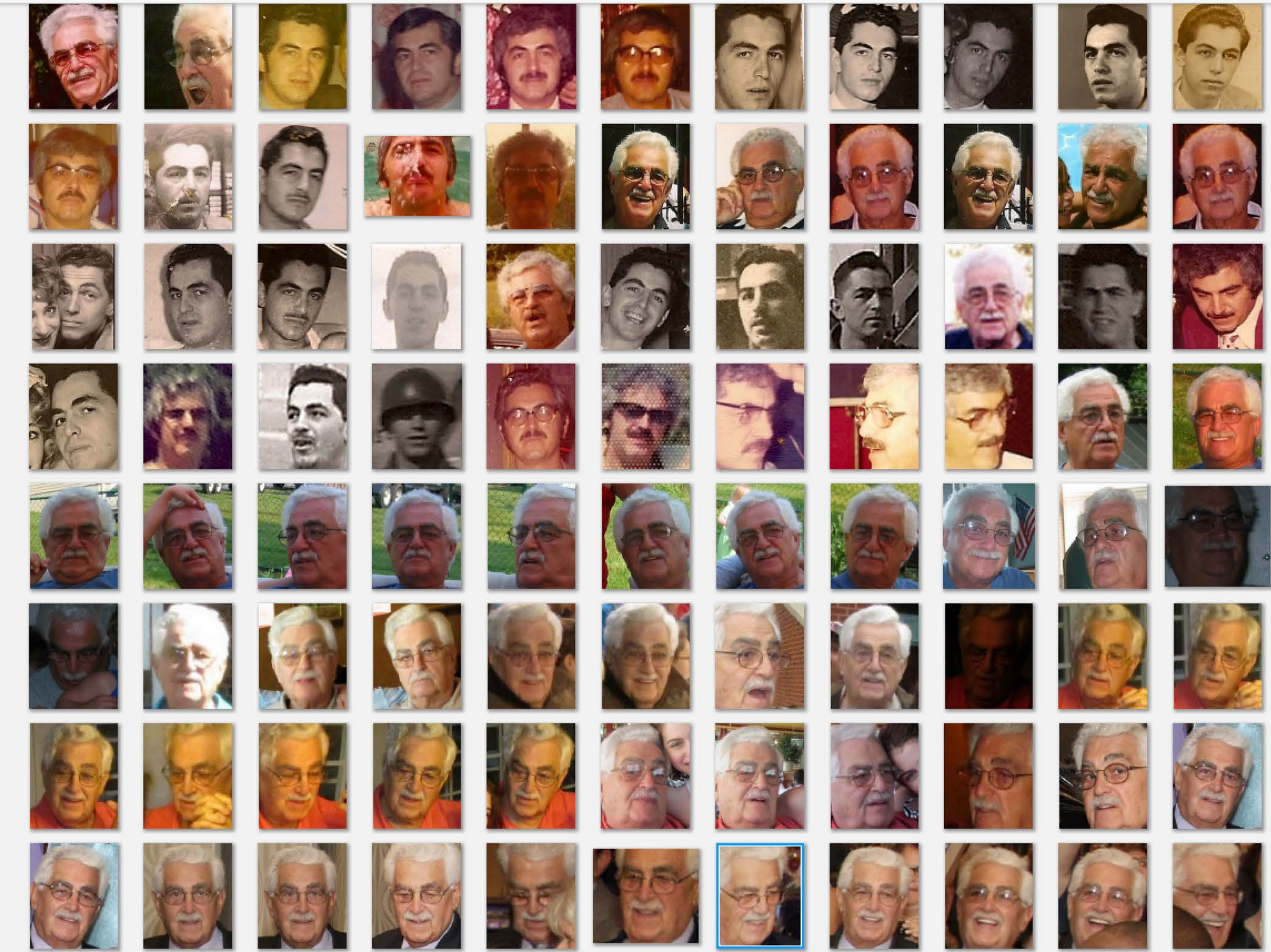
Search bar

Albums (28)

People (106)

- Mara Balkan (41)
- Maria Rubino (5)
- Martin Toback (7)
- Michael Smith (2)
- Michael Toback (103)
- Michele Richter (1)
- Mrs. Fiedelholz (1)
- Nancy Perkel Prekpalaj (272)
- Nichole Kim (1)
- Patricia Bennett (1)
- Paul Trust (1)
- Petrush Prekpalaj (113)
- Rebecca Millman (1)
- Rich Toones (5)
- Rose Shefner (3)
- Ruth Toback (6)
- Sal Rubino (6)
- Santa Clause (2)
- Scott Richter (5)
- Shari Rothstien (1)
- Shelly Perkel (493)
- Sherri Korn (1)

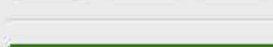
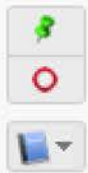
Shelly Perkel



IMG_5096.JPG Aug 28, 2011, 3:25 PM 320x386 pixels 4.9 MB



Selection



Upload to Google Photos

Email

Print

Export



RESOURCES

- [Elgato Video Capture](#)
- [LINUX Film Scanner](#)
- [Wolverine Film Scanner](#)
- [Mac DVD Management Software](#)
- [USB Record Player](#)
- [Plastic Photo Holders](#)
- [Library Supply Company - Gaylord](#)

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