Cloud Computing Overview

Don Simpson Sun City Computer Club

Agenda for Today

- What is "Cloud Computing" ?
- How can we benefit from using it?

• Discuss a few real life examples

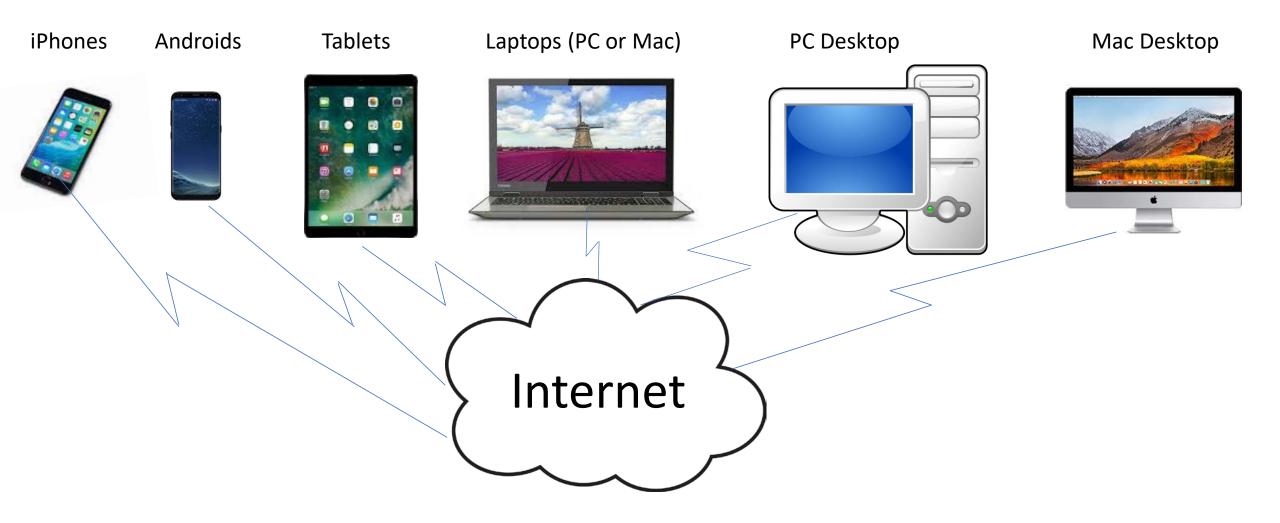
• How can we learn more?

What is Cloud Computing?

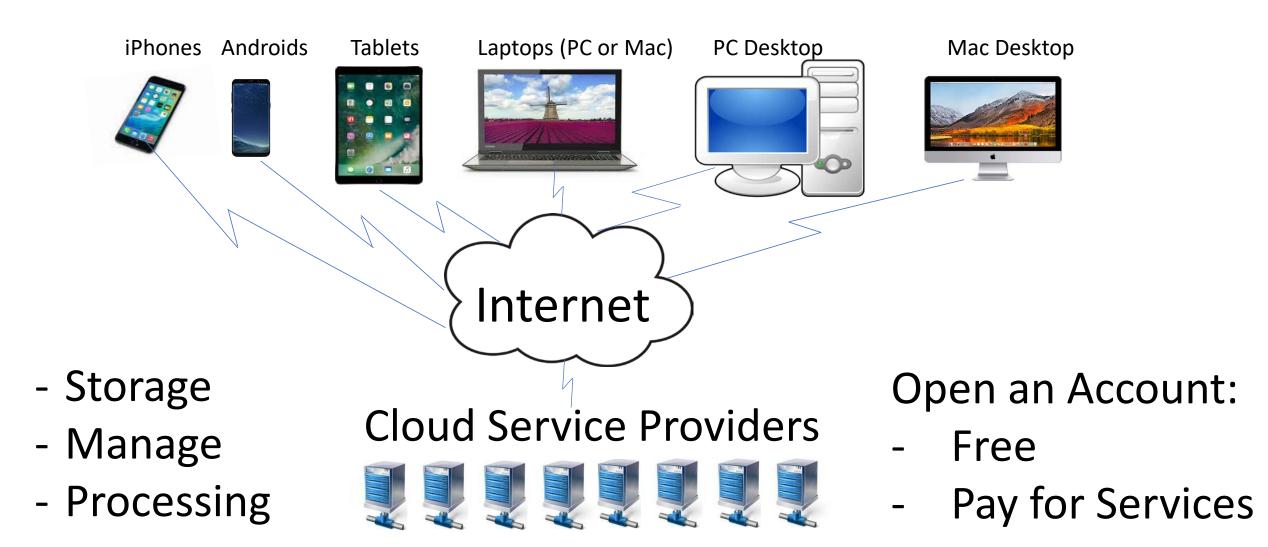
Dictionary Definition

"the practice of using a <u>network</u> of <u>remote</u> <u>servers</u> hosted on the <u>Internet</u> to <u>store, manage</u>, <u>and process data</u>, rather than a local server or a personal computer."

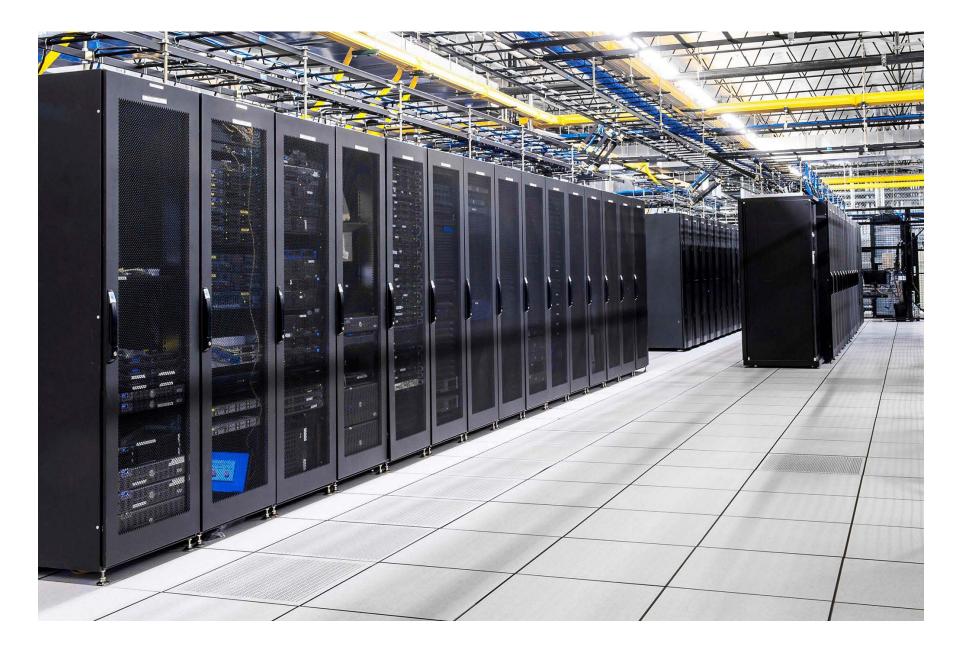
What You Most Likely Already Have



What You Need to Add Applications (Apps) from a Service Provider



Service Provider Data Center(s) May Look Something Like



Service Providers Incur Costs for Services

- Acquire, configure and operate server farms
- Manage robust connectivity to the internet
- Data Backup, and some providers, multiple synchronized data centers
- Logical and Physical Security
- Account Management
- Actual Processing Capabilities
- Develop "Apps" generally at no expense to us

From a Retired Person's Perspective:

Why do we need Cloud Computing?

Retirement Cloud Computing Ideas

- Offsite Backup
- •eMail, Calendars, Contacts
- Social Networking
- <u>Organize, Backup,</u> <u>Store & Share</u>
- •<u>Clubs, Projects &</u> <u>Collaboration</u>

- Personal Websites
- Entertainment (Video, Podcasts & Music)
- •TV (Cutting Cable)
- Education
- Convenience Services
- Subscription Services

Offsite Backup

& access data from anywhere with internet connection

- Carbonite from \$72/year; unlimited storage
- Idrive \$52/year; 2 TB (Terrabytes)

Screen Shot from my iPhone Using offsite Carbonite backup Of my iMac

Accessible from anywhere

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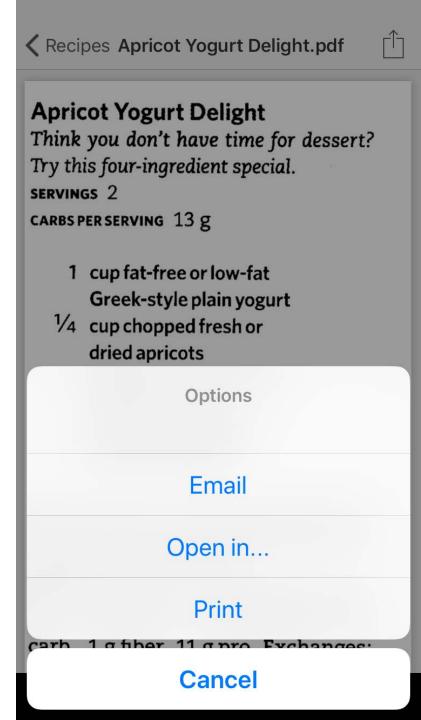
Here is the PDF recipe now displayed On my iPhone where I

can:

- View It
- Print it
- Share it
- Open in a compatible app on my iPhone to edit

VZW Wi-Fi 죽 √ \$ 93% ■ 7:47 PM **K** Recipes **Apricot Yogurt Delight.pdf** רוק Apricot Yogurt Delight Think you don't have time for dessert? Try this four-ingredient special. SERVINGS 2 CARBS PER SERVING 13 g 1 cup fat-free or low-fat **Greek-style plain yogurt** $\frac{1}{4}$ cup chopped fresh or dried apricots 2 tablespoons low-sugar apricot preserves 4 teaspoons chopped walnuts, toasted Divide yogurt between two bowls. Top each serving with half the apricots, preserves, and walnuts. PER SERVING: 126 cal., 3 g total fat (0 g sat. fat), 0 mg chol., 44 mg sodium, 13 g carb., 1 g fiber, 11 g pro. Exchanges: 05 mill 05 other early 05 fet Carb

(i)





Social Networking Free – watch security of the data you share • Facebook • Twitter • Instagram • LinkedIn • Snapchat

Organize, Backup, Store & Share

- Microsoft OneDrive
- Apple iCloud
- Google Google Photos & Google Drive
- Amazon Amazon Drive & Prime Photos
- Dropbox

Some of my Clouds (Windows Explorer Or Apple Finder)

Look just like files and folders on an External drive

	📃 Dropbox		
< >		* •	Q. Search
Back	View Arrange Action Share Edit Tags	Dropbox	Search
Favorites	Name	Date Modified	Size Kind
🛅 Google Drive	01212018 Service.pptx	Jan 17, 2018, 9:07 PM	48.3 MB PowerP(.pptx
	Aaron Family Visit	Nov 8, 2017, 11:56 AM	Folder
🐺 Dropbox	ACTAG Follies	Feb 19, 2018, 9:56 AN	A Folder
OneDrive	▶ 📄 Apps	Aug 1, 2017, 9:15 PM	Folder
iCloud Drive	🕨 📄 Birds	Jan 8, 2016, 1:32 PM	Folder
	Canadian Rockies - Emily.jpg	Jan 30, 2018, 2:46 PM	12.6 MB JPEG image
All My Files	Class Folder	Jan 11, 2018, 7:37 PM	Folder
AirDrop	Classes	Sep 15, 2014, 9:28 AN	A Folder
Applications	Cloud Computing.pptx	Apr 13, 2018, 11:08 AM	A 2.5 MB PowerP(.pptx)
	Dad's Diary - Christmas Through the Years.pdf	Dec 23, 2017, 3:46 PM	A 37.1 MB PDF Document
Desktop	Donald Simpson	Jul 17, 2017, 11:39 AM	Folder
Documents	Elements SIG	 Apr 10, 2017, 8:47 AM 	Folder
Downloads	Eyes of Faith - HDR.ppt	Dec 27, 2017, 8:20 AM	1 139.9 MB Powern (.ppt)
	Gloria by Vivaldi - Small.mp4	 Mar 7, 2017, 1:10 PM 	590.8 MB MPEG-4 movie
😭 donaldsimpson	Grandma Gray	Oct 6, 2015, 7:21 PM	Folder
Deleted Users	HisFicCrit	Nov 28, 2016, 1:45 PM	A Folder
	iPhone Photography Class Series.pdf	Nov 30, 2017, 1:10 PM	27 KB PDF Document
evices	iPhone Photography Class Series.pptx	Nov 30, 2017, 1:12 PM	48 KB PowerP(.pptx
🔲 Donald's iMac	List of Books.pages	Oct 9, 2015, 10:33 AM	1 314 KB Pages
_	London Photos	Jun 18, 2017, 11:06 AM	A Folder
igs	Loveless House Photo Shoot	Jan 18, 2018, 4:03 PM	1 Folder
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Red	Photo - Composition - reduced file size.pptx	Feb 7, 2018, 2:58 PM	35.5 MB PowerP(.pptx)
	Presentation Comp 150.pptx	Feb 6, 2018, 9:13 AM	20.7 MB PowerP(.pptx
Orange	Presentation keynote	Jan 23, 2018, 12:19 PM	M 17.5 MB Keynote
Yellow	Presentation keynote pdf	Jan 23, 2018, 12:16 PM	M 250.4 MB PDF Document
Green	Print to Size.jpg	Apr 14, 2018, 8:31 PM	2.5 MB JPEG image
	Recipes	 Apr 28, 2018, 7:57 AM 	1 Folder
Blue	Cakes	Apr 28, 2018, 7:55 AM	1 Folder
Purple	Cookies	Apr 27, 2018, 9:43 AM	1 Folder
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- All Tays	Butterscotch Pie	 Apr 28, 2018, 7:57 AM 	150 KB PDF Document
	Chocolate Pie	 Apr 28, 2018, 8:02 AN 	160 KB PDF Document
	Fresh Strawberry Pie	 Apr 28, 2018, 8:04 AM 	A 197 KB PDF Document
	Resource Expenses	Sep 15, 2014, 9:28 AN	A Folder
	Tahoe Potentials	Nov 28, 2017, 9:19 AM	1 Folder
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	▶ 🔜 Wed	Apr 18, 2018, 10:55 AM	M Folder
	Wintergreen	Nov 29, 2017, 1:49 PM	1 Folder

Microsoft – OneDrive

- If you have Office365 you get 1 TB of Storage at no extra cost - \$70/year
- If not, 5 GB Free or 50 GB for \$24/year
- Can Auto Sync Photos with no downgrade
- Any File Types

Apple – iCloud

- 5GB Free; 50GB \$12/yr;
 200GB \$36/yr; 2 TB \$120/yr
- Autosync Photos (be careful)

type

- I choose not to use it except for storage & synchronization of Calendar, Contacts, Notes, etc.
- Can store other file types but not any file

Google Photos & Google Drive

- Google Photos virtually unlimited photos (16 mp) and videos (1080p) – free; autosync from your iDevice
- Google Drive 15 GB free; 100 GB -\$24/yr; 1 TB - \$120/yr; any file types

Amazon Drive & Prime Photos

- Prime Photos unlimited photos with Prime membership; 5GB without
 Prime
- Amazon Drive unlimited all file types
 \$60/yr

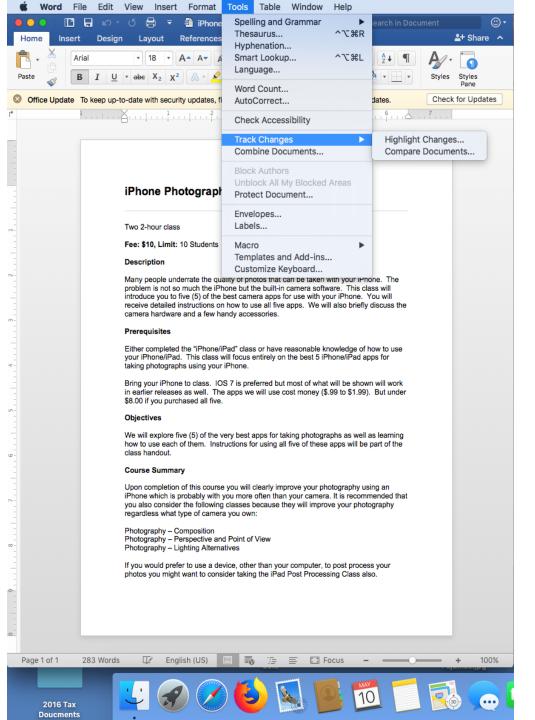
Dropbox

- 2 GB Free; earn 500MB for each friend that you refer (and sign up) until you reach 8 GB.
- 1 TB \$100 per year
- Any file type
- Occupies space on each machine
 - connected

Clubs, Projects & Collaboration

- I like either Dropbox or One Drive for collaboration and projects
- Use "Track Changes" feature of MS Word
- Photography Club Elements SIG Example
- Historical Fiction Authors Group Example

Collaborative tools can be found in Microsoft Word under "Tools" > "Track Changes" > "Highlight Changes"



Personal Websites

- Wix (\$5-\$25/mo; most likely \$11/mo)
- Weebly (Free \$25/mo); most likely \$8-\$12/mo)
- SquareSpace (\$12-\$18/mo; most likely \$12/mo)
- GoDaddy (\$8-\$30/mo; most likely \$11/mo

Entertainment Music

- Amazon Music Unlimited (\$8/mo with Prime); tens of millions (using Amazon Echo devices)
- Pandora (free-\$10/mo; channels w/millions)
- Apple Music (\$5-\$15/mo; 45 million)
- Spotify (free-\$10/mo; millions)
- Google Play Music (\$15/mo; 40 million)

Entertainment Video/Tv Shows/Podcasts

- Netflix (\$8-\$14/mo; most likely \$11/mo)
- Amazon Prime Video (free to Prime Users)
- iTunes (\$4-\$5 to rent; \$20+ to buy)
- YouTube (free for most; \$3 + to rent)
- Castbox (free) very robust App for

Podcasts

Digital TV (Cutting Cable) CHALLENGE – Local/National NBC, CBS, ABC, PBS YouTube TV (\$40/mo – 60+, some specials) DirecTV Now (\$35/mo - 60+, \$50/mo - 80+, \$70/mo – 120+, special channel packs) Sling TV (\$20/mo - 25+, \$25/mo - 40+, \$40/mo -50+, special channel packs) • Hulu (\$40/mo – 50+) Playstation Vue (\$40 - \$75/mo - 90+ but different channel packs)

Education

- YouTube mostly free but 10's of thousands of video tutorials on almost anything you want to learn
- My Favorites (B&H Event Space & Adorama TV) - Photography

Convenience Services

- Banking look for App
- Brokerage look for App
- Groceries HEB, Randalls and Walmart
- Photo Development & Renew Prescriptions
 - Walgreens, CVS, Walmart
- Paying Bills Online Accounts
- Transportation mytaxi, Uber, Lyft

Subscription Services

- Library OverDrive, Open Library
- Newspapers & Magazines
- eBooks
- Software

Computer Classes to Consider

- Mac-Files/Folders
- Windows Files & Folders
- Cloud Computing
- •eBay 101 & 102
- Facebook
- Mac iCloud Basics
- Weebly: Basic Web Design
- iTunes for Windows & Mac

Questions