



Phillip Pensabene June 6, 2016





Uses the internet
to greatly expand the capabilities
of your local computer
and your mobile devices.



Relies on sharing computing resources rather than having local computers or personal devices to handle applications

It is very cloudy out there!

Apple has iCloud

Amazon's Cloud for Kindle Books & Apps

Google has G-Drive

Microsoft has OneDrive

Dropbox is a third party cloud service

Carbonite and Sugar Sync offer full system backups

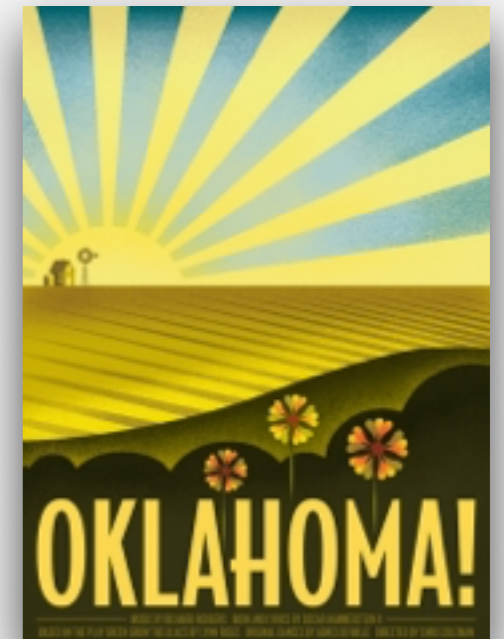
Where is the Cloud?

Apple's iCloud
is based in a
computer facility
located in
Maiden, NC



Where is the Cloud?

Google's Cloud
is in Oklahoma
and Ireland



Where is the Cloud?

Microsoft and Amazon's Clouds
are spread out in over 100 locations:
Australia, Virginia, Wyoming, China, Ireland
Hong Kong, Japan and San Antonio



What does the Cloud look like?

For an example:
Apple's iCloud facility



Apple iCloud data center = 500,000 sq feet
Super Walmart = 260,000 sq feet



Solar arrays to support iCloud data center
Generates over 100 million kWh
equivalent to powering over 10,000 homes



Inside the Cloud



The Cloud

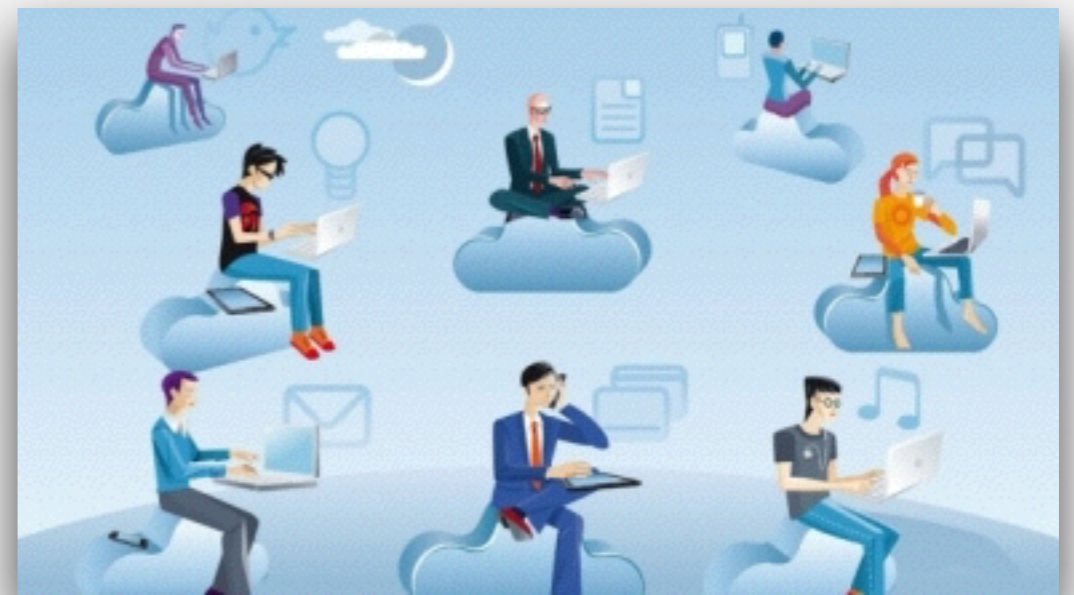
What does it do?



The Cloud - What does it do?

Some companies use the cloud
to run their entire business

People (like us) use the cloud
to help manage their life





Cloud for Business Use

Adobe moved its 'Creative Suite' to the cloud.

No longer available on disk.

Monthly subscription fee.



Cloud for Business Use

Microsoft Office is in the cloud.

No longer available on disk.

Download the software from the cloud.

PC Key Card or
monthly subscription fee.

Cloud for Business Use

Netflix movie streaming comes from the cloud.

The Netflix logo is centered in the lower half of the cloud. It consists of the word "NETFLIX" in a bold, red, sans-serif font, set against a white, rounded square background with a subtle drop shadow.

NETFLIX



Cloud for Business Use

AirBNB,

Allows people to list, search and rent lodgings worldwide and is totally based in the cloud. All transactions are done via the internet.

Cloud for Business Use

Amazon

- Physical products
- Kindle books
- Videos
- Streaming music
- On-line storage - photos & files



The Cloud

What's in it for me?



- Sync your data
 - Calendar
 - Contacts
 - Reminders
 - Notes
 - Mail
 - Safari, Chrome, Firefox
 - Password managers
 - History





The Cloud can automatically backup your mobile devices and computers

iPhones & iPads back up easily to the Cloud.

Android devices can backup to the Cloud using a combination of the operating system and third party apps.



There are several Cloud based solutions to backing up your entire computer.



Provides on-line file storage
(like your hard drive)
that you can access from any computer
or mobile device



Photos - Storage



Apple - iCloud Photo Library

Google - Photos App

Amazon - Prime Photos

Microsoft - OneDrive

Dropbox - Photos



Dropbox





Create Shared Photo Albums with Collaborative or view only options

Apple iCloud - some restrictions

Google Drive - with anyone

Microsoft OneDrive - some restrictions

Amazon Prime Photos - view only

Dropbox - sort of



The Cloud is your on-line
digital media store

Amazon, Google Play, Apple App Store, Microsoft Store



Download:
Apps
Books, Music
Movies, TV Shows

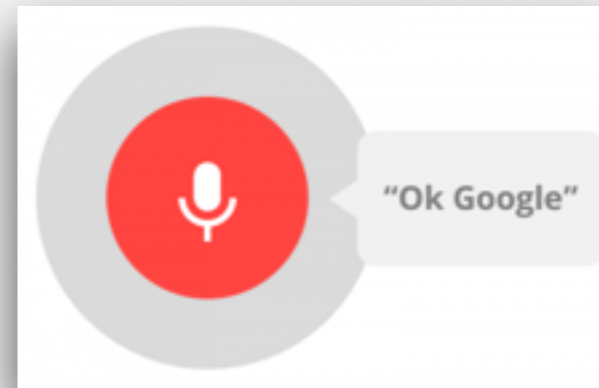




Find my mobile device

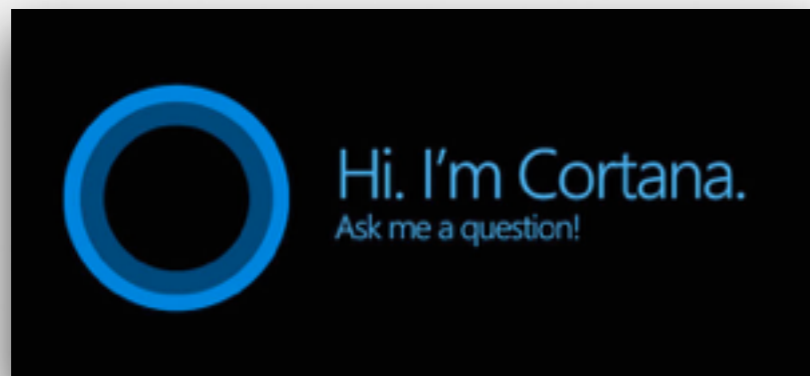
Apple - Find my iPhone
Android Device Manager
Samsung - Find my mobile
+ many other Android Apps





Personal Voice Assistants

All requests are processed in the cloud





iCloud.com



The Cloud has On-line Apps

Apple - Keynote, Numbers, Pages

Google Docs - Slides, Sheets, Docs

Microsoft - apps are local, collaborate in Cloud

Dropbox - Use MS Office apps on existing files

Collaborate, Show Changes, Versions



Dropbox

Free!

What's Free

&

What Isn't



It's complicated.



	Microsoft OneDrive-	Dropbox	Google G - Drive	Amazon cloud drive	Apple iCloud	Google Photos app	Carbonite Backup
Free	5 GB	2 GB	15 GB	No***	5 GB	High quality but reduces size of photos & videos	N/A
Paid Plans	\$2 month/50GB \$10 month/1TB + Office 365	\$10 month/1TB	\$2 month/100 GB \$10 month/1TB	\$12/yr for unlimited photos, \$60/yr for unlimited files	\$1 month/20 GB \$3 month/200 GB \$10 month/1 TB	Same as G-Drive	\$60/yr unlimited space for 1 pc/Mac \$99/yr adds external drives (PCs)
file size restriction	10 GB	10 GB with website, none with Dropbox apps	5 TB	2 GB	15 GB	16 MP for free storage Larger pictures for paid storage	

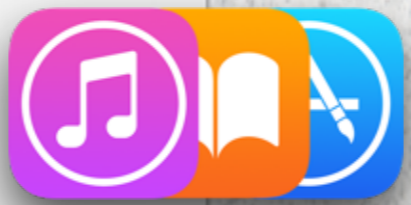
Not
Charged
to
iCloud
Storage

Charged
to
iCloud
Storage

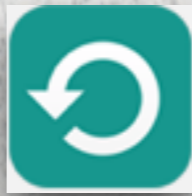
Safari
Tabs, History &
Keychain



iTunes
iBooks
App store



iPhone/iPad
Backups



Sync your data



iCloud.com



iCloud
Drive



Shared
Photo
Albums &
Photostream



Siri



Family
Sharing



iCloud
Photo
Library



Pages,
Numbers,
Keynote



Sync'd
App Data



Find My
iPhone





Questions???

