

Cloud storage

Eng. Nassar E. Muhanna

Public Authority and Applied Education, High Institute of Telecommunication and Navigation,
Computer Department, Kuwait.

Abstract: In the last few years the revolutionary invention of A **file hosting service, cloud storage service, online file storage provider or cyberlocker** is an Internet hosting service specifically designed to host user files has been extremely changed.

Storing files in the cloud has many advantages. We can sync our devices and retrieve our data on the go from any phone, tablet or computer that's connected to the Internet, and the cloud can also provide backup for files so they'll never disappear if your phone gets lost or your computer crashes. Using the cloud is a no-brainer, As a user, There many of cloud sharing platforms like iCloud, OneDrive, Google Drive, Dropbox, Amazon Cloud Drive ,and Box but picking which service to use is a bit more difficult.

Keywords: Cloud systems, hosting service, Storage service, Cyberlocker.

INTRODUCTION

In this research I will help you pick the most preferred option, so you will never get confused about their key features.

- i. Part1. iCloud
- ii. Part2. OneDrive
- iii. Part3. Dropbox
- iv. Part4. Google Drive
- v. Google Drive vs. Dropbox vs. OneDrive vs. iCloud Comparison Table

i. PART1. ICLOUD

released by Apple Inc in 2011,and If you are an Apple user you must already be familiar with iCloud .To run and access iCloud on your system, you either need iOS 5.x (or later) or a Mac using OS X Lion 10.7 (or later) and Apple ID to sync your pictures, music, contacts, eBooks, and almost every other kind of data. It can be integrated with and other popular Apple products and iTunes Fig 1.

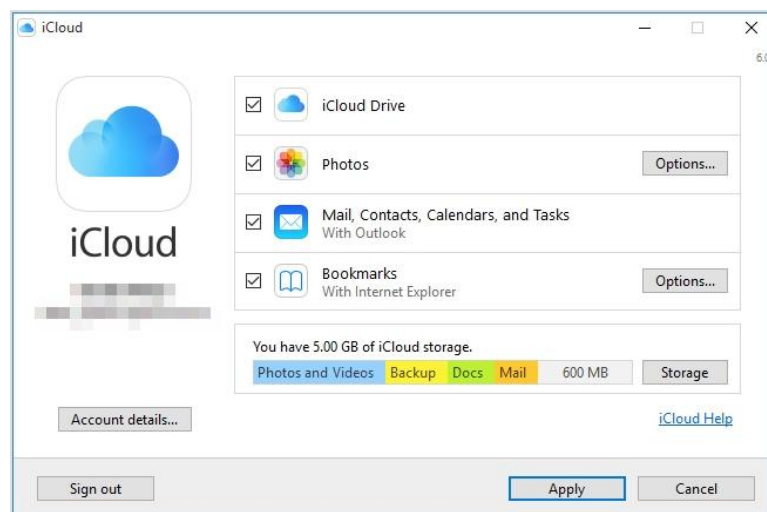


Fig. 1. iCloud

Advantage of iCloud

- 5 GB of free storage.
- works seamlessly with all the leading iOS and Mac devices.
- Access from a dedicated website or app
- Later, one can upgrade the plan and go for storage of 50 GB, 200 GB, 1 TB or 2TB respectively.

Disadvantage of iCloud

- Lack of compatibility with Android and other operating systems like Android.
- Lack of synchronization or a small bug can result in loss of data.

ii. PART2. ONEDRIVE

Developed by Microsoft, Previously known as Sky Drive, Considered to be one of the most secure cloud storage platforms using PFS " perfect forward secrecy" encryption. Almost compatible with all OS. It has a dedicated app for Android, iOS, and Windows devices, also is its seamless integration ,and connectivity with other popular Microsoft products like OneNote, Office 365 Fig 2.

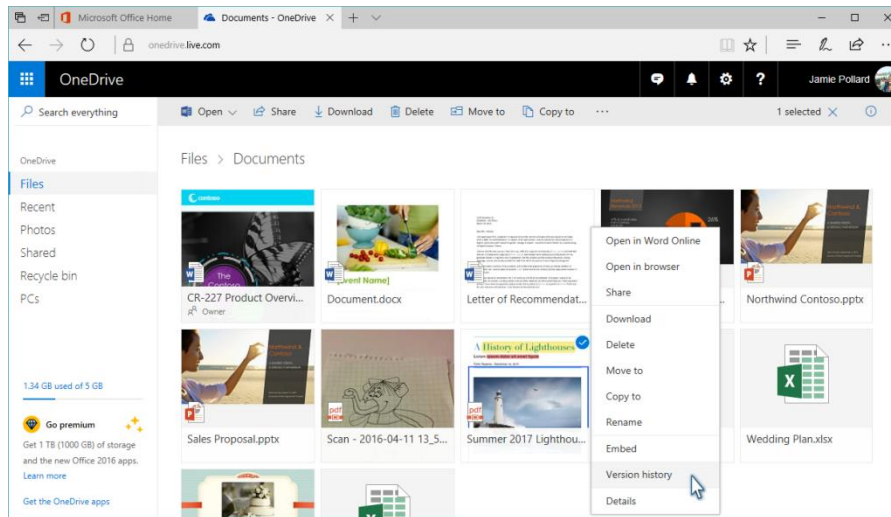


Fig. 2. OneDrive

Advantage of One Drive

- 5 GB of free data storage on the cloud.
- A wide range of plans and customization.
- Seamless integration and connectivity with Office 365.
- It has a dedicated app for every leading OS.
- Using your Microsoft account make you manage everything in one place
- Premium Upgrading to a max of 5 TB

Disadvantage of One Drive

- auto-sync features seem to malfunction at times. Users need to manage their folders via its app or website manually.

iii. PART3. DROPBOX

Released in 2007. It is available with a clean and sophisticated design for almost every platform, which makes it one of the most extensively used cloud storage, and sharing services. It is associated with Dropbox Paper and is also integrated with Microsoft Office 365. Its extensive compatibility gives it a lead for OneDrive vs Dropbox comparison fig 3.

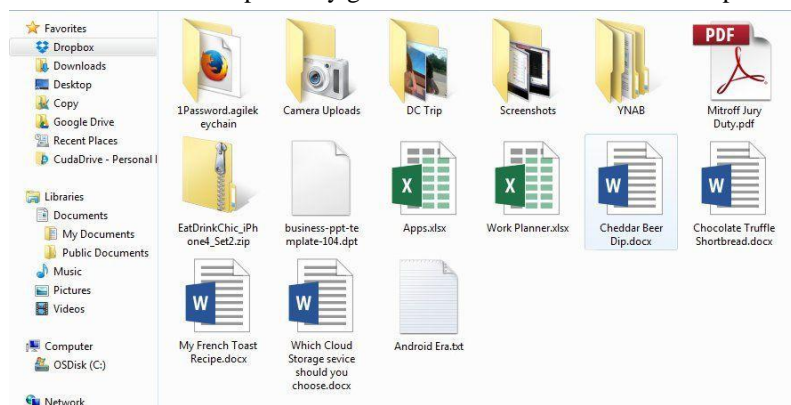


Fig.3. Dropbox

Advantage of Dropbox

- 2-16 GB of free storage.
- Provides unlimited storage (premium plans).
- Compatible with all the major devices.
- Creates a dedicated directory on system (Windows, Linux, and Mac), which makes it easier to upload files.
- Simple to use.
- Provides unlimited storage (premium plans).
- One can access it via a dedicated website as well.

Disadvantage of Dropbox

- Editing via its website doesn't let you control how your data would be displayed.

iv. PART4. GOOGLE DRIVE

officially released in 2012, Backed by Google, makes it one of the most widely used cloud sharing networks, and services in the world. App available for all the leading operating systems like Android, iOS, Windows, Mac, etc., Google Drive provides a seamless support for Google docs, sheets, photos, and other Google products. This makes it quite convenient to be used for business purposes as well. To make it easier for its users to manage their drive, it has also integrated natural language support. Natural Language integration, SSL encryption, can invite others to collaborate, integration with other popular Google products.

This makes it a clear winner when compared to Dropbox free storage capacity Fig 4

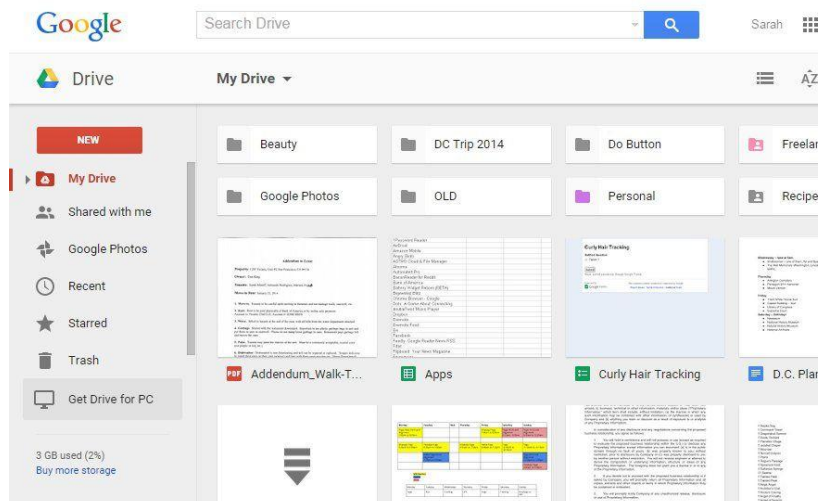


Fig. 4 Google Drive

Advantage of Google Drive

- 15 GB of free storage.
- Premium Upgrading to a max of 30 TB.
- Dedicated website and app, which is compatible with almost every platform.
- Support 60 different language.
- With Google account setup and integration Easy.
- With other Google services Performs auto-backup and support

Disadvantage of Google Drive

- It might lead to over-flowing of data since most of the users share their space with their Gmail.

v. PART5. GOOGLE DRIVE VS. DROPBOX VS. ONEDRIVE VS. ICLOUD COMPARISON TABLE

In conclusion read on and figure out the most preferred option to help you. Comparison table show there is no one perfect platform. Every medium has its own *Advantage* and *Disadvantage*, users tend to use multiple services to manage their data



	icloud	OneDrive	Dropbox	GoogleDrive
Free storage	5 GB	5 GB	2 to 16 GB	15 GB
MAX File size	15 GB	10 GB	20 GB	5 TB
Max space	2 TB	5 TB	Unlimited	30 TB
Paid plans	\$9.99/month for 1 TB	\$9.99/month for 5 TB	\$12.50 month for 2 TB	\$9.99/month for 1 TB
Language support	Basic	Extended to 100+	Limited to 10+	Extended to 60+
Users	700 million	300 million	500 million	800 million
Supported OS	iOS, Mac, and Windows	Windows, Mac, Android, iOS, and Windows Phone	Windows, Mac, Linux, Android, iOS, Windows Phone, BlackBerry, and Kindle Fire	Windows, Mac, Android, and iOS

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