

Cloud Storage and File Sharing Services

Eng. Nassar E. Muhanna

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

Abstract: High security provided by File Hosting, Online, and Cloud Storage made a revolution in clouding storage media. Storing files in the cloud will save you a lot of time and money by synchronizing our devices to retrieve and backup all type of data on the go from mobile, tablet or computer that's connected on Internet

Keywords: Cloud storage, File sharing, Storage media.

Hopefully this research will help you pick the most preferred online storage media from the following.

- 1.iCloud
- 2.OneDrive
- 3.Dropbox
- 4.Google Drive
- 5.Google Drive vs. Dropbox vs. OneDrive vs. iCloud **Comparison Table**

1. iCloud

released by Apple Inc in 2011, all Apple user already familiar with iCloud. Running and accessing iCloud either you need (iOS-5.x) or (Mac-OSX-Lion-10.7) (or later). Synchronizing pictures, music, contacts, eBooks, and all other kind of data you need Apple ID that can be integrated with other popular Apple products and iTunes Fig 1.

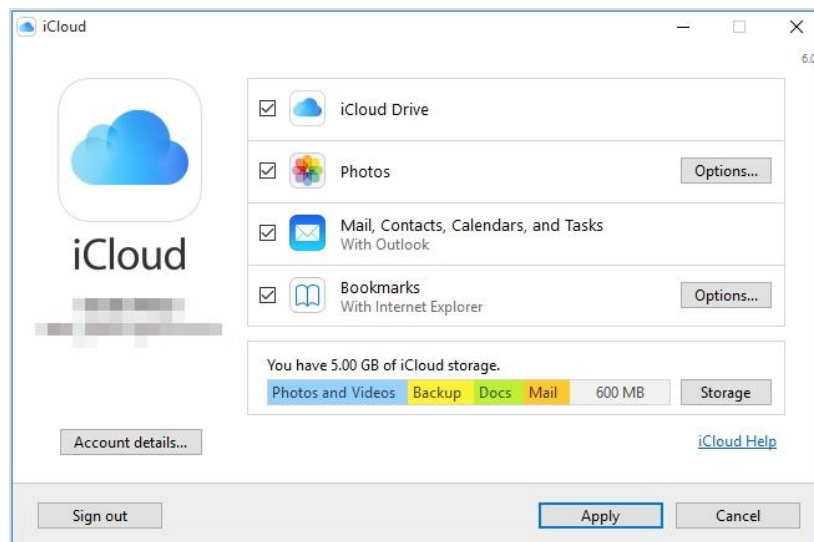


Fig. 1. iCloud

Advantage of iCloud

- free space 5_GB.
- Compatible with all Mac devices and iOS.
- Accessed from dedicated application or website.
- Respectively Upgradeable storage to 50_GB, 200_GB, 1_TB or 2_TB.

Disadvantage of iCloud

- incompatible with Android and another OS.
- Lack of synchronization or a small bug can result in loss of data

2. ONEDRIVE

Developed by Microsoft, previously known as Sky Drive, Using PFS " perfect forward secrecy" encryption makes it most secure cloud storage platforms. It has a dedicated application for Android, iOS, and Windows devices. Almost compatible with all OS, also integration, and connectivity with MS-OneNote, MS-Office-365 Fig 2.

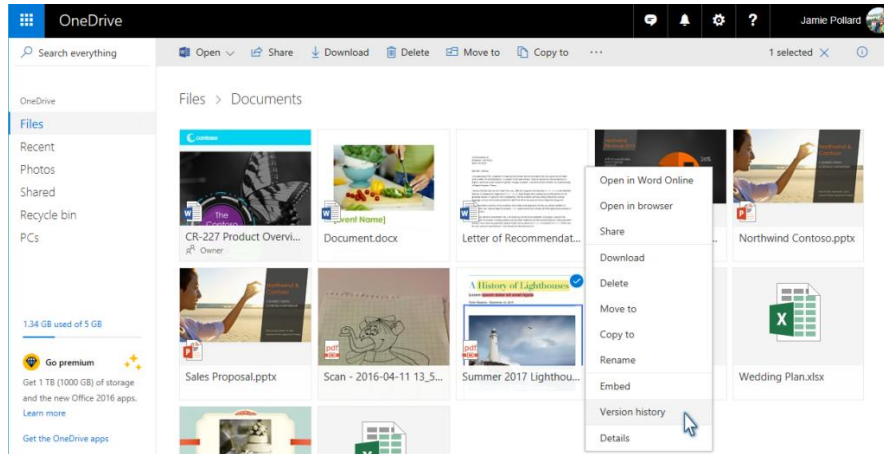


Fig. 1. OneDrive

Advantage of One Drive

- free space 5_GB.
- A wide range of plans and customization.
- Compatible and integrated with MS_Office_365.
- A dedicated application for all 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

- Via application and website, we can manually manage file and folder

3. DROPBOX

Released-2007. Wide range used as cloud storage and sharing services, because of it is a clean and sophisticated design for almost all platform. Dropbox extensive compatibility and integration with MS-Office365 gives it a lead Over OneDrive fig3.

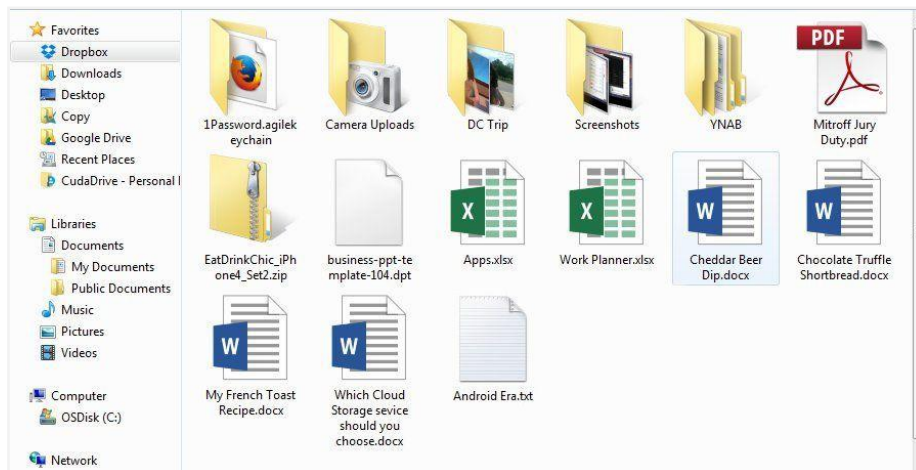


Fig.3. Dropbox

Advantage of Dropbox

- 2→16_GB of free storage.
- Provides unlimited storage (premium plans).
- Compatible with all the major devices.
- Creating a specified directory on system ease to upload files.
- easy to use.
- Provides unlimited storage (premium plans).
- Accessing via application and website

Disadvantage of Dropbox

- No control how data displayed when editing via its website

4. GOOGLE DRIVE

officially 2012 Released, backed by Google, makes it one of the most widely used cloud sharing networks, and services in the world. Application available for all the leading OS such as Android, iOS, Mac, Providing available support for all Google product such as documents, sheets, photos makes it quite convenient to be used for business as well. Google Drive use Natural Language integration, SSL encryption, can invite others to collaborate, and integration with other popular Google products makes it easier for users to manage their drive, also gives it advantage over a Dropbox free storage capacity Fig4

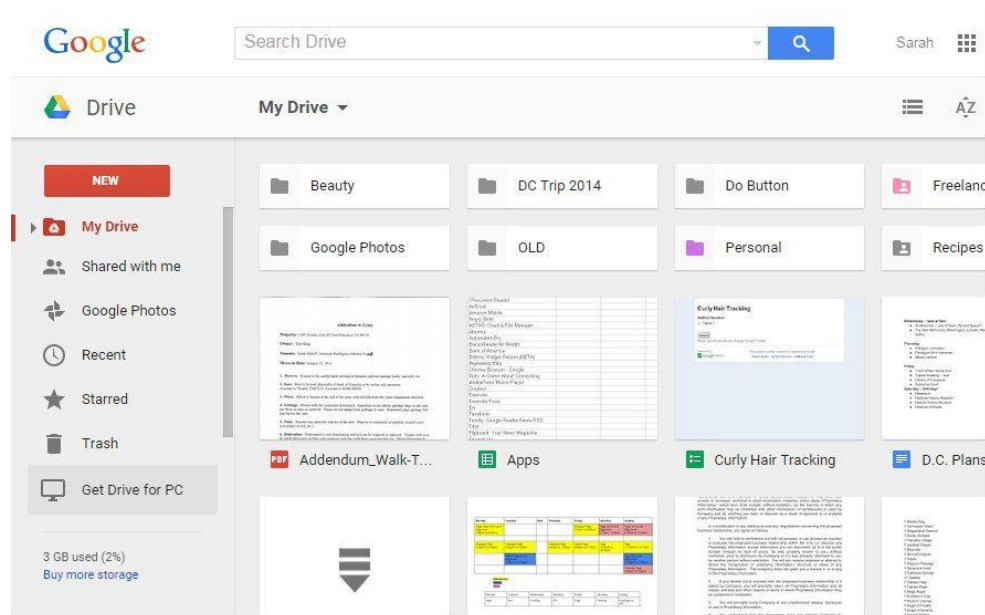


Fig. 4 Google Drive

Advantage of Google Drive

- 15_GB of free storage.
- Premium Upgrading to a max of 30_TB.
- Using Specific website and application, which is compatible with all OS platform.
- Support 60 different language.
- Easy setup and integration With Google account
- Performing auto backup and support with other Google services

Disadvantage of Google Drive

- Some users share space with their Gmail that may lead to data overflow.

5. Google Drive vs. Dropbox vs. OneDrive vs. iCloud Comparison Table

In conclusion I leave it to the user to compare and contrast between the advantage and disadvantage each medium to get his perfect platform.

	iCloud	OneDrive	Dropbox	GoogleDrive
Free storage space in GB	Up_to_5_GB	Up_to_5_GB	Up_to_16_GB	Up_to_15_GB
MAX File size In GB	Up_to_15_GB	Up_to_10_GB	Up_to_20_GB	Up_to_5000_GB
Max storage in TB	Up_to_2_TB	Up_to_5_TB	Unlimited	Up_to_3_TB
Extra Capacity Monthly Paid plans	<u>1</u> _TB→\$10	<u>5</u> _TB→\$10	<u>2</u> _TB→\$12.50	<u>1</u> _TB→\$10
Language support	Basic	Extended to 100+	Limited to 10+	Extended to 60+
Users in millions	700++	300++	500++	800++
Operating System Supported	iOS, mac, and windows	All leading OS	All leading OS	All leading OS

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