



Introduction to The Cloud



Agenda

- What is the cloud?
- Cloud Service Comparison
- Dropbox Demo




**What is the
cloud?**

Types of storage:

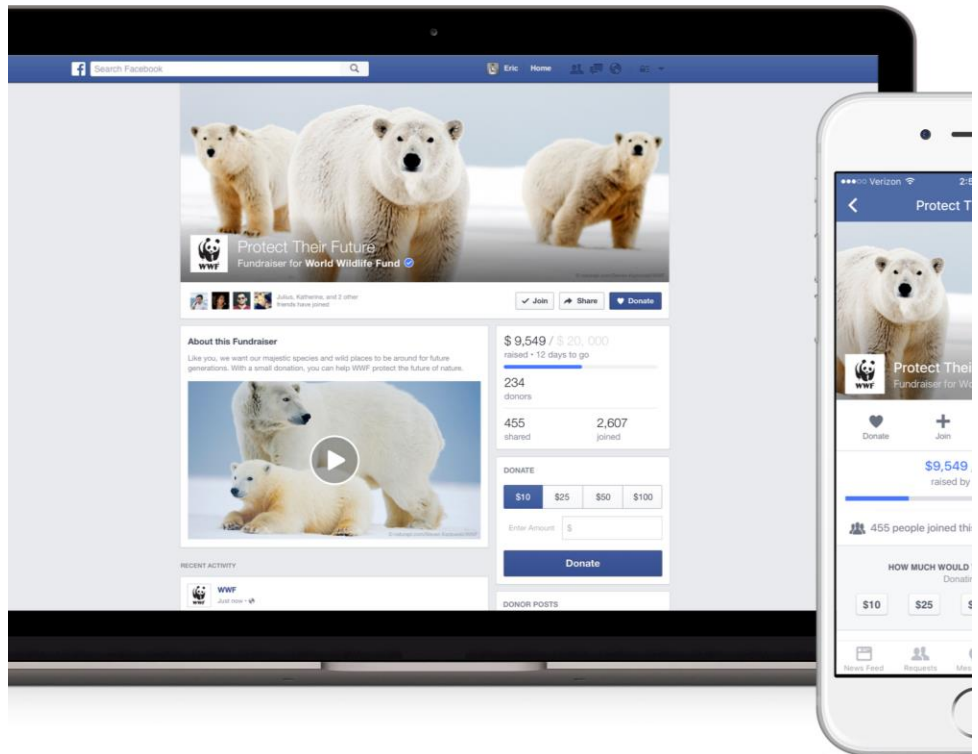
- **Local Storage:** storage on your computer's built-in hard drive.
- **Removable/Peripheral Storage:** These are devices that increase your computer's storage or allow you to save to another physical location for back up.
Examples: USB drives, solid state drive, external hard drives, CDs, etc.
- **Remote storage: Cloud storage!**



“Simply put, the cloud is the Internet—more specifically, it's all of the things you can access remotely over the Internet. When something is in the cloud, that means it's stored on Internet servers instead of your computer's hard drive.” – GC Learn Free



In addition to storing data, the cloud can also be used to keep all of your services in sync.





**Where is
the cloud?**

**The cloud is
misunderstood.**

**Your data is not in
“cyberspace”; it is
being stored by
Google, Amazon,
etc. on physical
servers grouped in
warehouses called
“data centers”.**





Data centers house rows upon rows of servers, allowing them to store and manage the data of millions of users. Data redundancy is used to ensure data isn't lost if the equipment malfunctions.



Google Data Center



Amazon Data Center



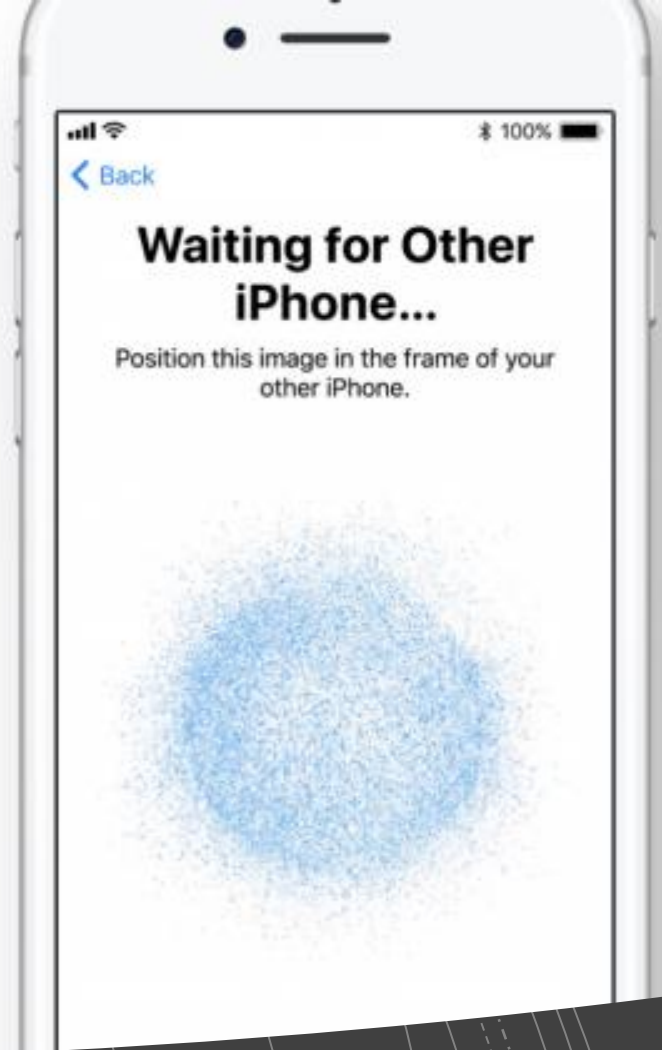
Facebook Data Center



Advantages of the cloud

Automatic Setup. Get off to a quick start.

Just hold your new iPhone or iPad near an iOS device or Mac you already own, and many of your personal settings, preferences, and iCloud Keychain passwords are quickly and securely imported. Or in technical terms, easy peasy.



**Cloud services make it easy to set up new devices
and replace missing/broken devices.**



You can access your information on multiple devices, making it easy to manage important files.

Storage Almost Full

You can manage your storage in Settings.

Done

Settings

Cloud services are also great for users with a low amount of local storage. Keep your files backed up remotely without taking up physical space!



**However, there
are some
disadvantages...**



No internet

Try:

- Checking the network cables, modem, and router
- Reconnecting to Wi-Fi
- [Running Windows Network Diagnostics](#)

DNS_PROBE_FINISHED_NO_INTERNET

The cloud is internet-based, so it can't be accessed if the internet connection is poor or if there is an outage.

facebook

Sorry, something went wrong.

We're working on getting this fixed as soon as we can.

[Go Back](#)

Also it's not impossible for cloud services to be inaccessible due to scheduled maintenance or technical errors.



In addition, cloud services are a frequent target for hackers.



Although data leaks can happen, most attacks are a result of phishing- scammers tricking users into providing login credentials.



Remember that photo leak back in 2014? People assumed a hacker obtained the photos by hacking into iCloud, but the scammer actually *tricked* the celebrities into giving their login information with a phishing scheme.



**Use long,
complex passwords.
Make security
questions difficult.**

**Use two-step
verification
if it's available.**

**Avoid logging
onto unsecure WiFi
networks.**

**Keep an eye out
for phishing scams.**



**What cloud
service should I
choose?**



iCloud



iCloud is a cloud synchronization software for Apple devices such as iPhones, iPads and Macs.



For users with multiple Apple devices, iCloud keeps all your information in sync, allowing you to seamlessly transition between devices.



Good morning, Lance.

[Account Settings >](#)



Mail



Contacts



Calendar



Photos



iCloud Drive

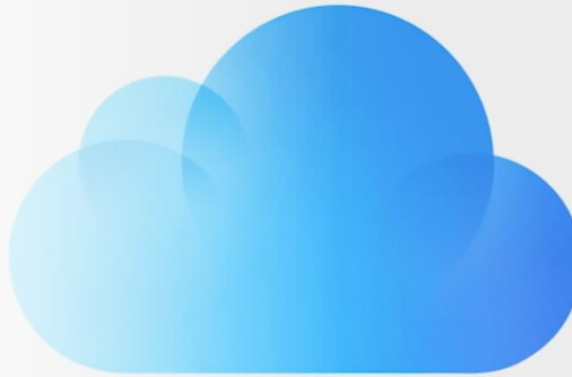


Notes



You can also have instant access to iCloud data on a computer by going to [iCloud.com](https://www.icloud.com).

There are many different services under the iCloud umbrella including Keychain (password), iCloud Drive and Photos, making it a great all-in-one cloud solution. iCloud is also compatible with most of Apple's native apps.



Start with 5GB free. Add more as you need it.

You get 5GB of free storage across all your devices. But if you have larger collections of photos, videos or documents, you can easily upgrade your storage plan — up to 2TB — from any device.

50GB

\$1.28/month

200GB

\$3.98/month

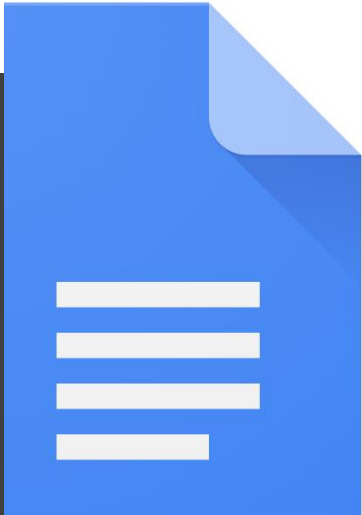
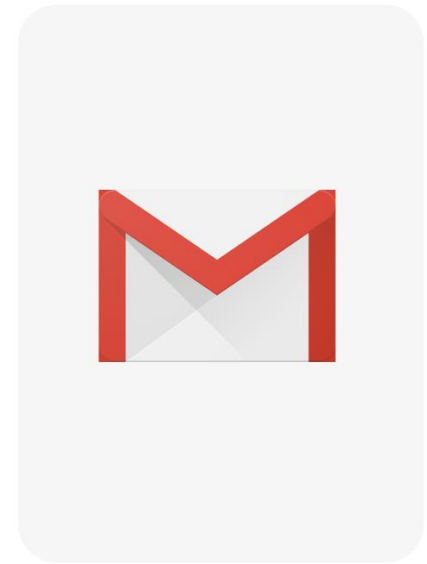
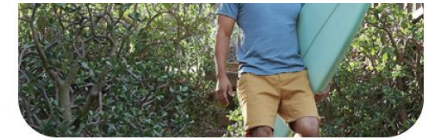
2TB

\$12.98/month

[Upgrade iCloud Storage >](#)



Google One



Google One is a subscription plan that offers online storage for most Google's popular cloud-based services: Gmail, Google Drive and Google Photos.



Google Drive

Google Drive is a free service from Google that allows you store files **online**.



In addition to being integrated with services like Gmail and Google Calendar, it also includes a full office suite with Google Docs, Sheets and Slides.

Access Google Drive through an app or the website: <https://www.google.com/drive/>

The screenshot displays the Google Drive web interface. At the top, navigation tabs for Mail, Calendar, Drive, Sites, Groups, and More are visible. The Google logo and a search bar are positioned below the navigation. The main content area shows a 'Drive' header with a '+', a 'Sort' dropdown, and a settings gear. On the left sidebar, there are buttons for 'CREATE' and 'SHARE', and sections for 'My Drive', 'Shared with me', 'Recently opened', 'Starred', and 'More'. The main area contains a table of files with columns for checkboxes, titles, owners, and last updated dates.

<input type="checkbox"/>	TITLE	OWNER	LAST UPDATED
<input type="checkbox"/>	[redacted].pdf Shared		me
<input type="checkbox"/>	[redacted].pdf Shared	me	me
<input type="checkbox"/>	[redacted].pdf Shared	me	me
<input type="checkbox"/>	[redacted].pdf Shared	me	me
<input type="checkbox"/>	[redacted].docx Shared		
<input type="checkbox"/>	[redacted].docx Shared		
<input type="checkbox"/>	[redacted].pdf Shared		
<input type="checkbox"/>	[redacted].pdf Shared		



Google Photos is a cloud storage service that specializes in photo and video storage.



Unfortunately, Google Photos no longer offers free unlimited photo storage. However, it is still one of the most convenient ways to automatically backup photos since it's available for such a wide range of devices.

In addition, Google's acquisition of popular mobile editing software Snapseed makes it a great choice for editing and organization!

Starting at 100 GB. All Google Accounts include 15 GB of storage for free.

[See how you're using your storage.](#)

Basic
100 GB
\$19.99 / year

Current plan

[Change to monthly plan](#)

Includes

- ✓ 100 GB storage
- ✓ Access to Google experts
- ✓ Option to add your family
- ✓ Extra member benefits

Recommended

Standard
200 GB

\$2.99 / month

Or prepay annually
(save 16%):

\$29.99 / year



Get 3% back in Store credit
on Google Store purchases

Google One includes

- ✓ 200 GB storage
- ✓ Access to Google experts
- ✓ Option to add your family
- ✓ Extra member benefits
- ✓ 3% back in the Google Store

Premium
2 TB

\$9.99 / month

Or prepay annually
(save 17%):

\$99.99 / year



Get 10% back in Store credit
on Google Store purchases

Google One includes

- ✓ 2 TB storage
- ✓ Access to Google experts
- ✓ Option to add your family
- ✓ Extra member benefits
- ✓ 10% back in the Google Store
- ✓ VPN for Android phone

Premium
5 TB

\$24.99 / month

Or prepay annually
(save 17%):

\$249.99 / year



Get 10% back in Store credit
on Google Store purchases

Google One includes

- ✓ 5 TB storage
- ✓ Access to Google experts
- ✓ Option to add your family
- ✓ Extra member benefits
- ✓ 10% back in the Google Store
- ✓ VPN for Android phone

Premium
10 TB

\$49.99 / month

Premium
20 TB

\$99.99 / month

Premium
30 TB

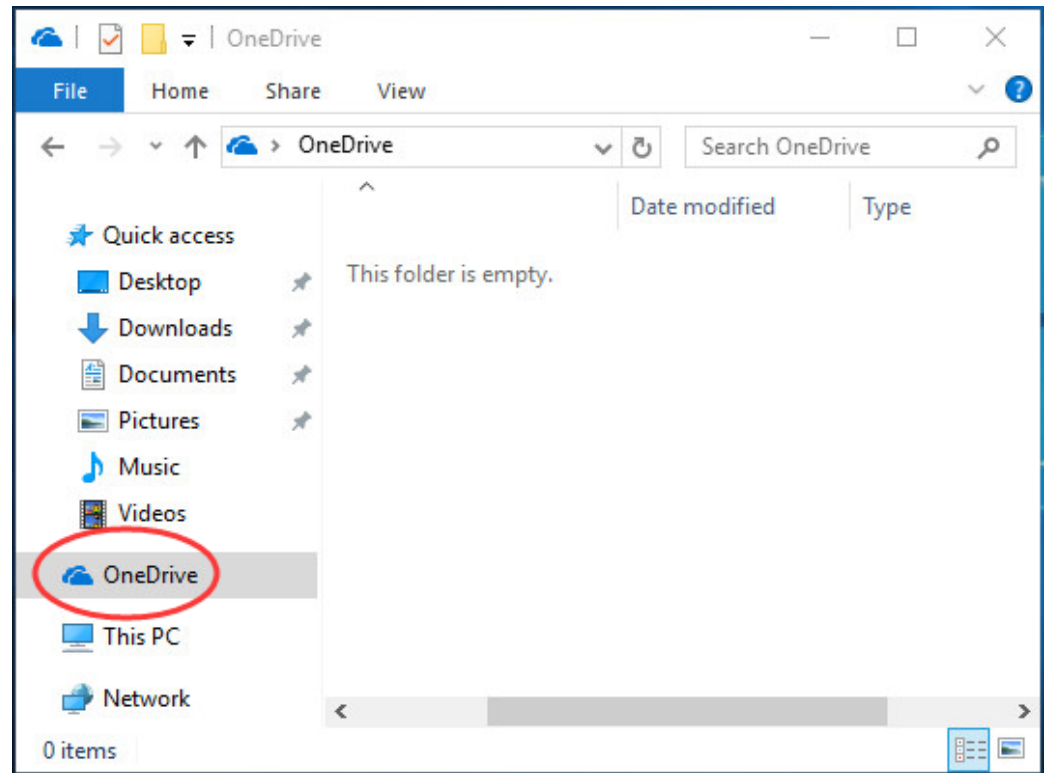
\$149.99 / month





OneDrive a cloud storage service offered by Microsoft as part of their online suite. It can be used for file storage, photo management and computer backups.

The advantage of OneDrive is that it is built into Windows devices, making cloud-based file storage a seamless experience.





Office 365



One Drive can be subscribed to alone or as part of a package with Office 365, which also includes online and mobile versions Word, Excel and PowerPoint.

Best value: up to 6 people

Microsoft 365 Family

\$99.99 / year

(annual subscription—auto renews)

[Buy now](#)

Or buy at **\$9.99 per month**

[Try free for one month](#)

OneDrive Premium Features

6 TB total (1000 GB per person)

Services included



OneDrive Skype

Office apps included



Outlook Word Excel



PowerPoint

Microsoft 365 Personal

\$69.99 / year

(annual subscription—auto renews)

[Buy now](#)

Or buy at **\$6.99 per month**

OneDrive Premium Features

1 TB (1000 GB)

Services included



OneDrive Skype

Office apps included



Outlook Word Excel



PowerPoint

OneDrive Standalone 100GB

\$1.99 / month

[Buy now](#)

Storage only

100 GB

Services included



OneDrive

Office apps included

Not included

OneDrive Basic 5 GB

Free

[Sign up for free](#)

Storage only

5 GB

Services included



OneDrive

Office apps included

Not included

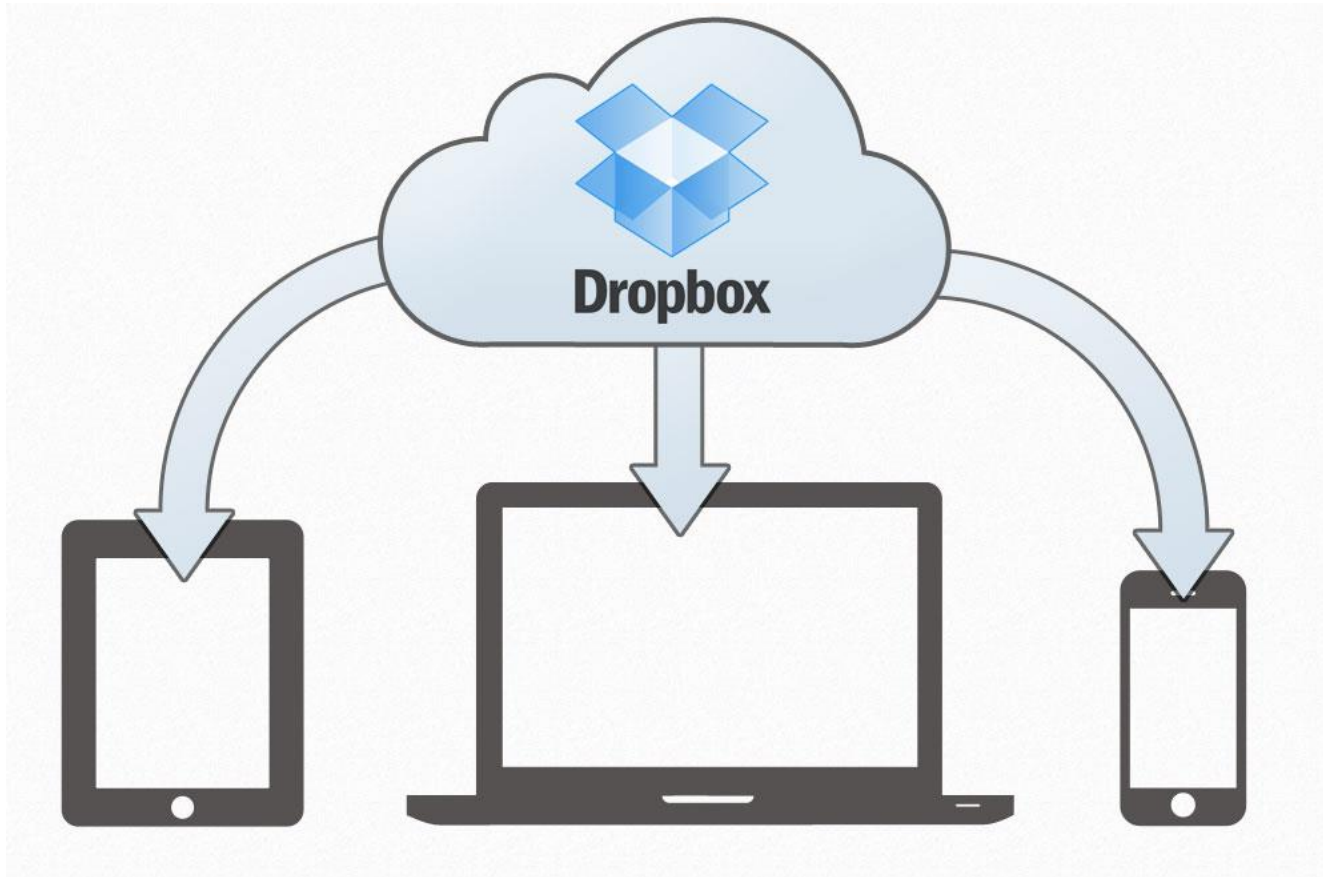
3rd Party Cloud Services

- **Samsung Cloud**- built into Samsung devices, essentially the Samsung version of iCloud.
- **Verizon Cloud**- preinstalled on Verizon devices.
- **Sync.com**- One of the cheapest options. 5GB free, 200 GB \$5/mo, 2 TB \$8/mo
- **PCloud**- Another cheap option- offers 10 GB free! 2TB for \$95.88 per year (\$7.99 per month)
- **IDrive**- A robust secure cloud backup service. Available for Windows, macOS, Android and iOS. Currently has a deal of \$3.98 yearly for 5TB (\$79.50 after).
- **Dropbox**: Great collaboration features and integration with popular 3rd party services like Scrivener. (However, free device limit is 3 devices). 2GB free, 2TB for (\$9.99 per month).

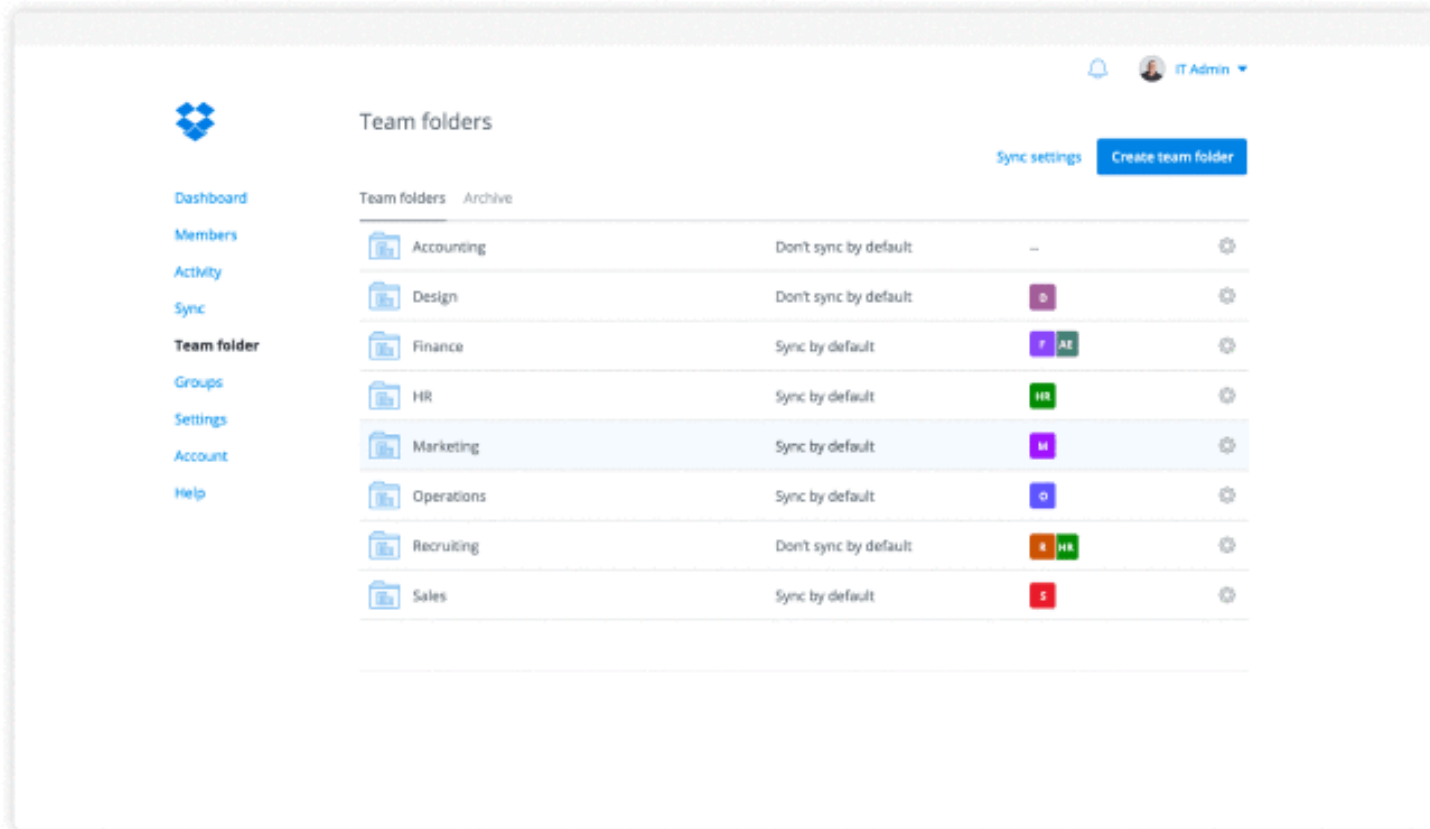




Dropbox



Dropbox is a popular 3rd party cloud service.



Dropbox starts you off with 2GB of data but you can extend it by 500 MB when you invite friends.

(\$8.25 = 1TB per month, \$16.58 = 2TB per month)

Other 3rd Party Options

- **Mega:** New Zealand-based company with an emphasis on security. 50GB free! 200GB for \$6 a month, 1TB for \$12 a month, 4TB for \$23 a month, 8TB for \$35 a month
- **IDrive:** offers continuous syncing of your files, even those on network drives. Files deleted from your computer are not automatically deleted from the server, so there's less danger of removing something important by accident. 5 GB free, 2TB \$52.12 (First Year, \$69.50 after), 5 TB \$74.62 (First Year, \$99.50 after)
- **pCloud:** Strong security and ideal for large files. 500 GB for \$175 (for life!) 2 TB for \$350 (for life!).
- **Box:** Older service that is well-supported across multiple devices (there is also some integration with G Suite). 10GB free. 100GB for around \$10 a month.
- **SpiderOak:** Great for automatic backups. Claims to encrypt data before syncing (but since they haven't released the source code, it's difficult to tell). Price: 21-day free trial. 150GB for \$6 a month, 400GB for \$11 a month, 2TB for \$14 a month, 5TB for \$29 a month.