**Pro’s and Con’s**

**Con’s:**

Carr, Ramona. “Top Challenges in Cloud Security for 2018.” *Zettaset*, 29 Mar. 2018, [www.zettaset.com/blog/top-challenges-cloud-security-2018/](http://www.zettaset.com/blog/top-challenges-cloud-security-2018/).

* Spectre and Meltdown
  + The hardware vulnerabilities found in microprocessor architecture. Attacks of these nature can affect most devices in service today, ranging from cellphones, laptops, and even servers, which is where cloud storage is hosted.
* Denial of Service
  + Denying use of a service by overloading service with request, therefor not allowing other request to come through.
* Cloud Encryption
  + Used to combat data breaches.

Shaw, David. “Top 5 Cloud Storage Security Challenges.” *Nasuni*, 31 Aug. 2018, [www.nasuni.com/top-5-cloud-storage-security-challenges/](http://www.nasuni.com/top-5-cloud-storage-security-challenges/).

* Data Leaks
  + The possibility of a data leak increases, which is why a company should never rely on the cloud service provider solely for encrypting their data.
* Cloud Service Provided Credentials
  + It’s possible that multiple companies may receive similar credentials from the service provider and create the possibility of unintended access.

Morrow, Timothy. “12 Risks, Threats, & Vulnerabilities in Moving to the Cloud.” *SEI Insights*, 5 Mar. 2018, insights.sei.cmu.edu/sei\_blog/2018/03/12-risks-threats-vulnerabilities-in-moving-to-the-cloud.html.

* API vulnerabilities
  + Susceptible to vulnerabilities and it’s possible for a user to gain access to a company’s network, the stored data, or the cloud provider’s infrastructure.
* Incomplete Data Deletion
  + Data is often stored across numerous devices and in different formats, it’s possible that data is not completely deleted when requested, and so the remnants may provide information to an outsider.

**Pro’s:**

"6 Pros and Cons of Cloud Storage for Business." *Compare the Cloud*. N.p., 20 Feb. 2018. Web. 14 Mar. 2019.

* Accessibility
  + Allows files to be accessible wherever there is an internet connection.
* Cost Savings
  + Cloud storage can often be cheaper than using other methods of storage
* Disaster Recovery
  + Cloud storage functions as a secure backup method that can ensure data is not lost and is easily accessible if data loss does ever occur.
* Scalability
  + With cloud storage, you only have to pay for the amount of storage you actually use, depending on your business needs.
* Speed
  + Cloud storage can be just as fast or even faster than traditional storage methods as different methods can be used to back up the data.
* Storage Immortality
  + By using cloud storage, hardware that is bound to become obsolete will not need to be replaced frequently, saving costs even further.