

The topic that I have chosen is cloud computing. It is an aspect of Information technology that has been interesting to me. With the topic I have chosen I will further research it and how they could solve real world problems. To put cloud computing in the simplest form it is computing that is based on the internet rather than running applications or programs from software downloaded on a physical computer or server that would be in the building. Cloud computing would allow you to run those same processes but instead run through the internet. Some examples of cloud computing are when you send out a tweet on twitter its cloud computing, or even checking your bank balance that is also cloud computing. Many companies have already moved to the cloud. It simply faster, efficient, and cost effective. The flexibility that cloud computing allows is through the roof. If there is a bigger need for larger bandwidth demands its easy to scale up your cloud capacity.

Cloud computing also have their cons such as service outages. Since the computing systems are all internet based your service is dependent on the internet connection. Another Huge con of cloud computing is the security and privacy of your data on the cloud. Not too long ago various celebrities had their private photos on iCloud leaked to the public. iCloud allows iPhone users to save photos and videos to the cloud. Some hacker was able to hack their iCloud's and leak pictures to the public that should never have. People wonder how much they can trust these providers after millions of user credentials. Cloud service providers are expected to manage and safeguard any hardware infrastructure, but remote access is the responsibility of the user. Some practices that companies take to minimize security risks are knowing who is supposed to have access to each resource and service, limiting data access based on the user

context, taking a risk based approach to securing assets used in the cloud, extend security to the device, adding intel to network protection, build in the ability to see through the cloud. Another disadvantage is the vulnerability to attack. Since every component of cloud computing is connected to the internet its not perfectly secured. The biggest issue with cloud computing is simply security and how a company can make it more security. There are many companies who have access to your personal information when you store your data in there system. Some companies sell your information to a third party company for marketing purposes.

The purpose of this research paper is to see how secure and safe using the cloud is. Also to show that the cloud is the best solution when it comes to data storage. I will know that the customer is happy once they realize how much money they will save, and the amount of energy that servers would need. I think more companies should go to the cloud, because more work can be done with less workers. There wont be a need to spend big money on hardware, software or licensing fees so capitol cost goes down as well.

The faculty member that would like to work with is Dr.Murphy the reason being is I am in her IT 355 class and I see her often around campus. She has agreed to work with me and oversee my project. She has also given me some ideas once I introduced that I would like to work on cloud computing.

My project will be a research study on cloud computing. I feel a full semester working on it needs a timeline. My timeline will begin with gathering as much information I can on the pros and cons of cloud computing and I already have done so. With my thesis being that more companies should use cloud computing as an IT solution I need to gather information that backs

that thesis statement. I need to prove that cloud computing is a faster solution by also adding charts and diagrams to my research as well. I will spend about two weeks just gathering information and why cloud computing is the best solution so I can back by thesis. It will take more time figuring out a solution for the security issues that cloud computing has and some of the options to minimize those issues. The type of data and references that I will need will be articles from trusted sights. I will try to find presentations on cloud computing on YouTube as well and see what ideas I can learn from that. My initial strategy for collecting data is using our schools library and see what books I can find and articles on consortium.