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As I watch the YouTube videos that was presented during the class, I have learned about what does a system administrator do, why is IT infrastructure important, and I was able to learn about the google data center.

A system administration according to one of the videos I have watched is a field in IT that is responsible in maintaining the computer systems in a multi-user environment. The person that does this kind of work is called a system administrator. These system administrators are the ones that takes the role of keeping the organization or company organized and running. They manage systems, upgrade, troubleshoot, maintain networks, and perform security tests. They ensure that every computer and services are working well.

Another topic that I have learned is about the IT infrastructure. IT infrastructure can be seen as a highway of roads that can connect computers together. Since we are now living in a modern world, we incorporate technology in almost everything in our daily lives even in businesses, to goods and other services. According to IBM.com having a flexible, reliable, and secure IT Infrastructure will greatly help an organization to meet goals, and have a competitive edge in the market. In other words, with an IT infrastructure an organization can have an improved productivity, provide security, and be able to collect data in real time that will help in making quick decisions.

As for the Google data center, according to the video someone says that a data center is the brain of the internet. Another says that it’s the engine of the internet, a giant building that has a lot of power and most especially it has a lot of computers. This data center has a big role in helping to keep the internet going 24/7. Google’s data center is so big that it has a lot of computers and keeps their warehouses in a certain temperature. I am amazed at how big this data center google has.

In conclusion being a system administrator is an easy job. You need great skills to be a good system administrator. It requires you to have a good critical thinking skills, have security awareness and most especially to be witty when it comes to saving data of the organization. Having a backup of every data that you have been collecting is a good practice of being a system administrator.

**REFERENCES:**

Coursera (November 2, 2022). What Does a System Administrator Do? Career Guide. Retrieved from: <https://www.coursera.org/articles/what-is-a-system-administrator-a-career-guide>. Date: February 13, 2023.

Google Career Certificates (April 21, 2021). What Does a System Administrator Do? | Google IT Support Certificate. Retrieved from: <https://www.youtube.com/watch?v=iQj06tiUjl4>. Date: February 13. 2023.

Google Data Centers. About Google Data Centers. Retrieved from: <https://www.google.com/about/datacenters/>. Date: February 13, 2023.

Google Workspace (December 17, 2014). Inside a Google Data Center. Retrieved from: <https://www.youtube.com/watch?v=XZmGGAbHqa0>. Date: February 13, 2023.

IBM. What is IT Infrastructure? Retrieved from: <https://www.ibm.com/ph-en/topics/infrastructure>. Date: February 13, 2023.

Network Official Channel (August 14, 2014). What is IT Infrastructure? Retrieved from: <https://www.youtube.com/watch?v=UFQXNiHSXjg&t=13s>. Date: February 13, 2023.