Almadrones, Charles Cedric C.   September 23, 2025

BSIT 4-1N   INTE 403

Assignment # 1

System Administration and Maintenance

1. **Summarize the history of system administration.**

The history of system administration begins from the creation computers where operations were handled by some individuals. System Administration was started because of the idea of having many systems in using computers. As early as 1952, Systems were made and there was this idea that a computer will control all other systems. But it originally started from the idea of John McCarthy, where a computer will shift from Single-Purpose to Time Sharing. This is the idea that sparked Systems Administration. But later, when Multics was underdeveloped, Unix was introduced during late 1960's. Until late 1970's, UNIX boomed which was used by Enterprise to handle large volumes of computing. This was the start of an era where computer can perform multiple tasks. Even up to the current times, System Administration was crucial to maintain large industry.

2. **Research is one of the best practices in System Administration of an organization, IT company or Government**

Regular Maintaining and updating systems to prevent issues before they occur. This is a best practice in system administration as an organization. It is important that in an industry, regular maintenance of the system is a must. The Second one is Managing user access. Systems administration requires individuals who can only access different parts of the system. By this, they can avoid intruders that can compromise the system. This is why; administrators look out for this because they are the one's who can regulate role levels. The last one is Documentation and Knowledge Sharing. This practice can greatly disseminate information about the system they are using. This talks about the maintainability of the company at the same time being able to make everyone know what's happening, or what happened in the company. Management is very important in an organization because this is the foundation on what will the organization look in the future.

3. **What is meant by "System administration is like keeping the trains on time; no one notices except when they're late."**

System Administration is a concept where it manages everything to be functionable, from the tiniest detail possible. If we will talk about time, System Administration was made for it because you can run multiple tasks with System Administration, that's why it was compared on keeping trains on time, like in our operations in computer, if something is lagging or being delayed, there is something wrong. It is simply making operations to make different system work as one. Like we talked about time, if something can perform different task, this will greatly save time, rather than queuing different task. This is the idea of keeping trains on time, while making sure that systems will not contradict (the

trains) in their schedule. As a conclusion, System Administration is crucial on the IT industry because this will make an efficient way to approach problems and creating solutions.

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