CLOUD COMPUTING

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ADVANTAGES OF CLOUD COMPUTING

With the usage of cloud computing, the users can stop doing theoretical guessing on the required capacity as these services allow the user to increase their capacity in demand so any instances where that server capacity is underestimated or overestimated will be avoided. The speed and agility for the acquisition of IT resources will also increase greatly as the user will need to wait only a few minutes in between finding resources and having them. Investing money in managing and running a data centre will no longer be needed as all these works are managed by the service provider. All of these advantages proved that cloud computing is a very reliable, cost-effective, secured and robust platform to run any kind of business, application and task, therefore, making it a very popular choice among developers.

The introduction of the 4th Industrial Revolution in 2016 has made Cloud Computing as the resulting ideas. The application of Cloud Computing has increased tremendously in recent years due to its flexibility and easy accessibilities. Many service providers out there has provided their clients with access to Cloud Computing to integrate into the industries.

Amazon Web Services: THE FUTURE CLOUD

AWS is a secured cloud platform that offers a variety of cloud-based products to the user. AWS provides cloud computing access to their clients which give an on-demand delivery of computer resources such as storage, database, compute power, application, server and many other IT resources through the internet with pay as you go pricing which means that AWS charge their clients as long as they are using the services and vice versa. In a simpler term, the more you use, the more you pay. Cloud computing also helps to enable the clients to consider their infrastructure as software instead of hardware. With these services, clients or the developers do not require to think about where to buy the server, what type of storage is compatible with the application, what kind of operating system will be used and other requirements as all of these will be provided by AWS based on the preferences of the clients.

Traditional Computing vs Cloud Computing

The infrastructures in the traditional computing model are in hardware which requires space to place all the hardware components and also staff to run and maintain the hardware. These will require a lot of money, therefore, careful planning of capital expenditure needs to be done to avoid any loss. In addition, this model also requires both physical and cyber security to ensure all the data are safe and secured. The procurement of hardware resources will consume a great deal of time as it needs to pass a lot of processes before it is approved. On the other hand, cloud computing models are more flexible as the infrastructures are in software. This model is also more cost-efficient than the traditional model as the user will pay based on the usage of the services. Besides, there will be no need for the clients to think about how to secure their data or staff to run and manage the data centre as all of these aspects are covered by the service providers like AWS. Therefore, the clients' capital expenditure will be reduced significantly if they are using cloud computing services.

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