



[Figure 1: Halcyontek. (2003). AWS- Features, Benefits and Our Solutions. Retrieved from <https://www.halcyontek.com/amazon-web-service.aspx>]

INDUSTRIAL TALK 3

CLOUD COMPUTING

Amazon Web Services (AWS) is one of the cloud computing service providers, a safe platform with a wide range of worldwide cloud-based services. Cloud computing is the providing of on-demand computing services through the internet and on a pay-as-you-go basis, ranging from apps to storage and processing power [1]. AWS offers varieties of computing resources and computing power, including storage, processors, databases, and networking.

In addition to that, AWS also offers VPN for users and network connected storage. AWS collaborates as if it were a set of building bricks. Using AWS cloud computing has several advantages. One of them is that consumers only have to pay for what they consume. Users are billed on a per-use basis. It is not charged if it is not utilised. Aside from that, it keeps costs down because no money is required to manage and maintain data centers.

REFLECTION

From the industry discussion, we learned that cloud computing aids technology advancement by ensuring the security and storage of data in the cloud. Cloud computing offers maximum ease by assisting users in executing a variety of activities, such as providing new immediate ways to save and retrieve data in a second via the cloud regardless of the fact that it is inexpensive. For instance, in real life, cloud computing is extremely beneficial in sustaining a business because most businesses require a large amount of data to be managed. Cloud computing innovation will lead to more advanced and progressing technology as humanity could gain more insight into advancement through it.

AWS offers a wide range of services, such as application integration, AR and VRM migration and transfer, networking, and content delivery, to name a few. AWS allows users to select services based on their business objectives and technological requirements.

Aside from that, it can improve agility and speed. AWS can also go global in under a minute. Last but not least, AWS can eliminate capacity guessing by dynamically scaling capacity depending on demand, ensuring that no capacity is overestimated or underestimated.

[1] Ranger, S. (2018, December 13). What is cloud computing? Everything you need to know about the cloud explained. Retrieved from <https://www.zdnet.com/article/what-is-cloud-computing-everything-you-need-to-know-about-the-cloud/>



[Figure 2 : 7 Key Benefits Of Using AWS Cloud Computing Needs: Ambab. (2020, July 16). Retrieved from <https://www.ambab.com/blog/7-key-benefits-of-using-aws-for-your-cloud-computing-needs/>]

" You only pay for what you use."

-Dr. Qusay Al-Maatouk

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There was a time before cloud computing when traditional computer models were commonly utilized. The traditional computing methods, however, have been supplanted by cloud computing models, which are favored in many ways. Traditional computing models have infrastructure as hardware, which requires staff to maintain and manage, as well as additional costs, space, and security, among other things, whereas cloud computing models have infrastructure as software, which is more flexible, easier and faster to change, cost effective because it charges the user on a per-use basis, and it automatically eliminates undifferentiated heavy lifting tasks. There are many commonalities between AWS's cloud computing services and conventional IT models, but AWS's is a more advanced and progressive service. For example, typical on-premise IT spaces include firewalls, staffs, and ACLs, whereas AWS has security groups, network ACLs, and IAM. People are more inclined to utilize cloud computing models nowadays since it does not require physical maintenance and is far more cost effective which have huge difference.