CLOUD SERVICE PROVIDER

21ST NOVEMBER 2021
SUNDAY

FIVE MAJOR CLOUD COMPUTING SERVICE PROVIDER

Microsoft Azure

It offers compute, analytics, storage, and networking as well as other cloud services. Users can pick and choose from these services to build and grow new apps or run existing apps in the cloud.

Google Cloud

A set of cloud computing services that run on the same infrastructure as Google's internal products. It offers a number of modular cloud services, including computing, data storage, data analytics, and machine learning, in addition to a set of management tools.

Alibaba Cloud

Alibaba Cloud offers online enterprises and Alibaba's own e-commerce ecosystem cloud computing services. Elastic Compute, Data Storage, Relational Databases, Big-Data Processing, Anti-DDoS security, and Content Delivery Networks(CDN) are among the cloud services offered by Alibaba Cloud.

Oracle Cloud

Oracle Cloud includes servers, storage, networking, applications, and services delivered over a global network of Oracle Corporation-managed data centres. These services can be offered on demand over the Internet, according to the company

Tencent Cloud

Tencent Cloud is a safe, dependable, and high-performance public cloud service provider (CSP) that combines Tencent's infrastructure development expertise. They offer a wide range of cloud services, including cloud computing, data processing, and cloud operating services, to help your company succeed.

CSP COMPARISON

	Strength	Weakness	Cost
	Strong CSP network with 32 partners	Expensive, lower availability zones	Pay as you go
	Big data, machine learning, data science	Smaller pool of well-versed managed CSP	Pay as you go
	Availability, perfomance, security	Limited adoption	<25% than other CSP
	Additional layers of interoperable	Unfavourable perception of Oracle's viability	Depends upon different factors
	Wealth of gaming resources and capabilities	Limited brand recognition outside China	Slightly higher

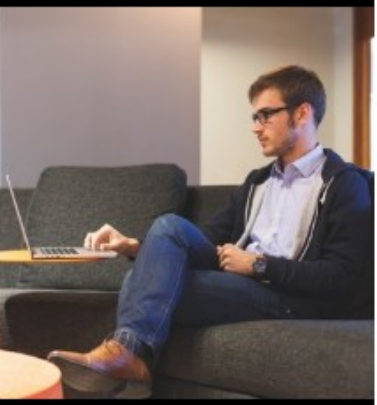
Muhammad Naquib Bin Zakaria (A20BE0161)
Wan Amirul Hafiq Bin Wan Huzaini (A21EC0141)
Muhammad Izzuddin Bin Shabrin (A21EC0083)
Sarah Wardina Binti Rafidin (A21EC0128)

CLOUD COMPUTING

MONDAY | 15TH NOVEMBER 2021

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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TECHNOLOGY

AUGMENTED REALITY

18TH NOVEMBER 2021 | THURSDAY

Current Trends of Augmented Reality in Industry

Augmented reality (AR) is one of 9 main components in IR4.0 digital technologies. Based on World Economics forum predictions, in 2025 about 10% of people will be wearing clothes connected to the internet. There will be one Trillion sensors connected to the internet and about 80% of the world's population will have a connection to the internet. The most popular uses of AR will be the video games industry which is estimated around $11.6 Billion in revenue while the lowest will be Education purposes which is estimated around $7 Million. 9 out of 10 brands had plan to use AR in their campaigns and around $15 Billion in revenue which projected by AR ads by 2022. AR will be highly used in the near future in education, communication business, healthcare, sports events and many more.

AR CORNER:

Jobs Creation

3 key areas where humans beat machines:

Creative Endeavours
Invent and develop original ideas

Social Interaction
Humans emotional intelligence

Physical Dexterity & Mobility
Physical activities gives humans extraordinary agility

AR as a solution

AR technology can help human beings in many aspects especially the impaired people. By adopting the AR technology it can help the disabled people to live their daily life conveniently using tablet or smartphone.

Reflection

AR is a relatively young technology but the endless possibilities make AR's future very bright. This technology will help countless people and future generation need to work together to help enhance, produce and commercialize this technology for the greater good of mankind.

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