

TIS NEWSLETTER

Official Newsletter of UTM Technology Information System Section 11

Cloud Computing Service Provider

BY TIS GROUP

Cloud Computing Service providers are Companies that create public clouds, operate private clouds, or provide on-demand cloud computing components (also known as cloud computing services) such as Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS) are known as cloud service providers (SaaS). When compared to on-premise IT, cloud services can save money on corporate processes. These clouds are frequently used as part of a hybrid cloud, rather than as a stand-alone infrastructure solution.

Comparison Between Cloud Computing Service Provider Example

The optimal cloud for an organisation is determined by a variety of factors, including the company's demands, size, present computing platform and IT infrastructure, and future aspirations. For example, you might start by determining whether or not a particular cloud provider is compatible with your business plan. So choosing a well known Cloud Computing Service Provider from a big company such as Microsoft, Alibaba and Google can increase the image of that company. As for IBM cloud, it does not even make the top ten list. Even so, It has its own team of engineers and technology professionals who work with clients on implementations. Lastly, Oracle Cloud Infrastructure delivers superior performance at a fraction of the cost. Therefore, One's cannot say just because it's not popular doesn't mean it does not have a good quality of services.

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Cloud Computing Service Provider Example

Google Cloud Platform (GCP)

Google Cloud Platform is a set of cloud computing services supplied by Google that run on the same infrastructure as Google's internal end-user applications, such as Google Search, Gmail, Google Drive, and YouTube.

IBM Cloud

IBM cloud computing refers to a set of cloud computing services for businesses provided by IBM, a technology corporation.

Alibaba Cloud

Alibaba Cloud, often known as Aliyun, is an Alibaba Group subsidiary that specialises in cloud computing. Alibaba Cloud supplies internet businesses with cloud computing services, as well as Alibaba's own e-commerce ecosystem.

Microsoft Azure

Microsoft Azure, sometimes known as Azure, is a cloud computing service provided by Microsoft for the management of applications through Microsoft-managed data centres.

Oracle Cloud

Oracle Cloud is a cloud computing service provided by Oracle Corporation, which includes servers, storage, networking, applications, and services delivered over a global network of Oracle Corporation-managed data centers. These services can be offered on demand over the Internet, according to the company.

INDUSTRIAL TALK 3

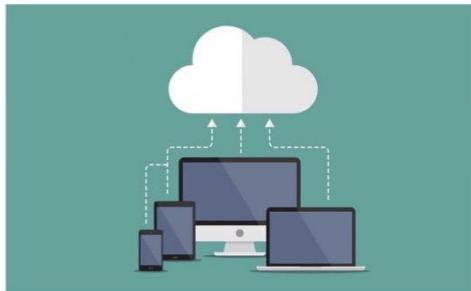
BY ASIA PACIFIC UNIVERSITY

1 DECEMBER 2021 · ISSUE 1 · VOLUME 1



SUMMARY OF THE TALK!

This newsletter of industrial talk is about Cloud Computing and was delivered by Dr. Qusay Al-Maatouk which is lecturer from Asia Pacific University(APU). The main idea of this talk is about AWS. Amazon Web Services (AWS) is actual name for cloud computing and it is another computer utilities. It is secure cloud computing offer set of global cloud-based products. AWS will provide you with on demand database, storage, apps and other IT resources via internet. Instead of buying a server and pay for license, rent place and many other things, AWS just required you to pay when you use their service. More uses then more fee, if you do not use then do not need to pay. The most important is you just need internet connection.



ISSUES DISCUSSED!

Cloud computing enables us to stop thinking of our infrastructure as hardware and it make us think of it as a software instead. For example if you want to create a game you do not need to think how many ram, gigabytes, what server to use or even a cost to spend but just think that software already provide to you. Amazon will give you all the services and whatever you want. It also very flexible which are you can change it quickly, easily and cost-effectively and more important is it available in many country but not internationally. It will give you 360 degrees different experience compare to traditional computer model which is think of infrastructure as hardware like it require space, staff, physical security, planning and many more.

Furthermore, There are three models of cloud service from the more control to the less control which are infrastructure as service, platform as service (Amazon will choose the best CPU, RAM, HARD DRIVE, OS and anything for you) and software as service (like Office 365, Excel and everything are online). No need to think about platform because it already provide to you. In addition, you do not need to have server because you can use mobile phone, tablet or personal computer.

Other than that, Amazon will give deployment models. First one is you can have everything 100% in cloud. Next, you can have 'On-premises' which is private cloud. It is customizable and you can design by yourself. We can call it as service less. The last one is, if you or your company not sure about cloud because you have sensitive data or else you can have some services in cloud and some in On-premises inside your server room, and this is call hybrid. Unfortunately, there is still have a possible challenging of company changing to cloud which is incompatibility, for example like government not allowed data to move to cloud, maybe they have protocol or else.

REFLECTION!

Everything in the world happen for a reason, same goes to AWS which is create to give benefits to people and here are some advantage of cloud computing. First of all you can save money, just pay whenever you use. Use first and pay later and you can stop without deleting and you do not need to have capital. Second no need to worry about guessing capacity. Amazon will do automatically. The third is, it increase speed and agility, in a minute it can go global and it can make superfast for customer. Lastly, Amazon will make you stop spending money on running and maintaining data center.

NEWSLETTER

18TH NOVEMBER 2021/INDUSTRIAL TALK 4



-AUGMENTED REALITY-

What is meant by AUGMENTED REALITY mostly known as AR? It is a technique for projecting a computer-generated image into the user's perspective of the actual world to create a composite view

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EXAMPLES



CURRENT TRENDS OF AUGMENTED REALITY IN INDUSTRY

The talk emphasized about World Economics Forum in 2015, as the predictions by 2025 are that there will be 1 trillion sensors and 10% of reading glasses will be internet connected. Next, the future of AR relies more on video games, healthcare, and engineering fields. For instance, a famous company named Oculus is a part of Meta Platforms, produces virtual reality headsets such as the Oculus Rift and Oculus Quest.



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AR INSIGHTS

"You want to play a board game? You snap your fingers, and here's the board game," he said, motioning to the coffee table. "You want to watch TV?" he gestured to the flat screen up on the wall. "You don't need a physical hardware TV, you buy a one-dollar app 'TV' and put it on the wall."

MARK ZUCKERBERG



THE FUTURE OF AR IN 10 USE CASES

In the future, there are many predictions that can come out true about the use of AR.

Firstly, there will be improvement in education that using AR. For example, by scanning the QR code, students can see the virtual image from their phone.

Next this AR can apply to appliances, furniture and other large products. This is more focusing to the furniture company.

Then, AR also benefitting the clothes production company. With this technology, buyers can preview clothes they want to buy and give more opinion about the clothes.

Other than that, AR also can lead to the creation of JARVIS-Like Virtual Assistance.

This technology can detect someone identity include their heartbeat and name. This apply by using contact that had motion sensor.

Next, AR use in future is the creation of metaverse. The word "metaverse" was coined by Neal Stephenson in his 1992 science fiction novel Snow Crash, which describes a three-dimensional virtual universe in which humans interact with one other and software agents as avatars. **Sixth**, AR can be used in indoor and outdoor navigation. With this, consumer can easily find store or building that they want to go.

Seventh, AR also can help in healthcare sector. Students who in medic course can learn the heart organ more detailed with AR help.

Next, with the apply of AR in automotive industry, car maker can use AR to shun showroom space and aid manufacturing.

Next, AR can provide help in sporting event. It can help the referee in handling the game more fair.

Lastly, AR can assist the manufacturing worker by give the instruction in assembly and fixing virtually. This can increase the production of manufactured product.

6 COMMON POSITION IN AR WORK

- AR/VR content developer
- AR/VR content strategist
- AR/VR user experience designer
- Designer, animator and sound artist specializing in AR/VR
- AR/VR community manager
- AR/VR project manager

REFLECTION OF THE TALK

THROUGHOUT THE VIDEO, WE BELIEVED THE FUTURE OF AR WILL BE BENEFICIAL FOR ALL THE INDUSTRIES. APART FROM THAT, THE COMBINATION OF AR AND VR WILL BRINGS A POWERFUL OUTPUT IN THE FUTURE. HENCE, EXPLORING THE WORLD OF AR IS NECESSARY FOR ESPECIALLY YOUNG GENERATIONS.