

# NEWSLETTER

TECHNOLOGY AND INFORMATION SYSTEM



## Cloud Computing Service Provider

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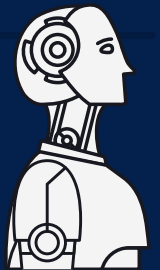
Cloud computing refers to the pay-as-you-go supply of compute power, databases, storage, apps, and other IT resources through the internet.

Having the ability to store and access data and applications over the internet rather than on a hard drive is what cloud computing is all about. This means that businesses of any size may use sophisticated software and IT infrastructure to grow, become leaner, and more agile, and compete with much larger firms. Cloud computing, unlike traditional hardware and software, allows organizations to stay on the cutting edge of technology without having to invest heavily in purchasing, maintaining, and servicing equipment.

There's some of examples such as Alibaba, Microsoft Azure, Google Cloud, IBM Cloud and also Oracle. Alibaba which is the the subsidiary of Alibaba Group that founded by Jack Ma has been launched since 2009. It is also the largest cloud computing in China and Asia Pacific. Next, Microsoft Azure that being developed by Microsoft. It is a cloud computing service that being operated for application management via data centers. It provides software as a service (SaaS), platform as a service (PaaS) and infrastructure as a service (IaaS) and supports many different programming languages, tools, and frameworks, including both Microsoft-specific and third-party software and systems.

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#### WHAT IS CLOUD COMPUTING?



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In addition, Google Cloud also has been a popular cloud computing service provider around the world. It is offered by Google, is a suite of cloud computing services that runs on the same infrastructure that Google uses internally for its end-user products, such as Google Search, Gmail, Google Drive, and Youtube. Also, it provides infrastructure as a service, platform as a service, and serverless computing environments. Not to forget, IBM cloud that is set of cloud computing services for business offered by the information technology company IBM. IBM Cloud includes infrastructure as a service (IaaS), software as a service (SaaS) and platform as a service (PaaS) offered through public, private and hybrid cloud delivery models, in addition to the components that make up those clouds. Last but not least, Oracle cloud platform which is a Platform as a Service (PaaS) offered by Oracle Corporation as part of Oracle Cloud. This platform is used to build, deploy, integrate and extend applications in the cloud. The platform supports a variety of programming languages, databases, tools and frameworks including Oracle-specific, open source and third-party software and systems. Oracle Cloud Platform offerings include Data Management, Application Development, Integration, Content and Experience, Business Analytics, Systems Management and Security.

## A BIG COMPARISON

In a scope of shared web hosting, only Alibaba cloud and Microsoft Azure that provided the service. Next, in part of virtual server, all the examples above have the service. However, only Alibaba Cloud that does not have bare metal server. As we know, the Google Cloud Computing is also providing free 15 GB of storage. Last but not least, only Microsoft Azure that does not provide virtual dedicated host.





26th ,NOV, 2021

# CLOUD COMPUTING

INDUSTRIAL TALK 3

## summary

Cloud computing provides the delivery of computer power on-demand such as storage, database, software applications and other IT services over the internet. It offers cost saving (pay-per-use), scalability, high performance and more. Some of the best cloud services providers are: Amazon Web Services, Microsoft Azure, Google Cloud, Oracle, IBM Cloud, Salesforce.

## Financial Cost

Cloud services is ideal for businesses who have limited funds to spend upfront. The impeccable management and setup of the salesmen can help the small to medium sized businesses to save a lot of money on hardware infrastructure and installation hassle.

## Operation

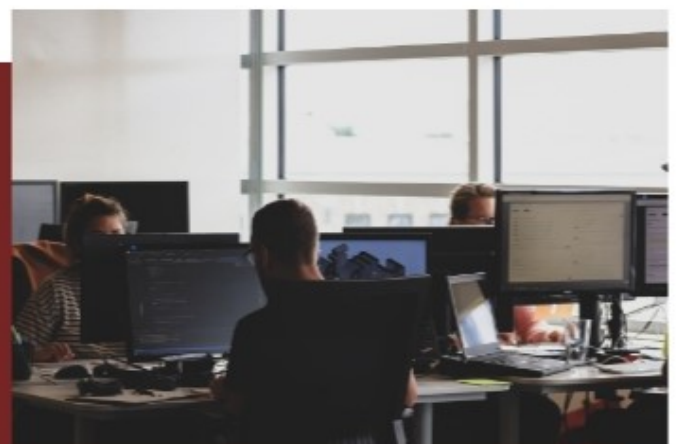
Many small and medium sized businesses usually operate with fluctuating bandwidth to cut down cost. This can be difficult to maintain and manage and that could result in poor productivity and performance. But now with cloud computing such businesses can have the maximum operational flexibility. Which gives the absolute maximum performance and productivity and also cut down the cost.

## Management

Comprehensive monitoring is key for organization. Cloud providers can share information and data about the health of the system such as CPU, memory, request rate, error rate, average response time and more. In the case of demand increase the resources can be automated to match that high demand.

## Reflection

As a whole, cloud computing provides advance computing power and resources on-demand at any scale that user require for their businesses, the regular update and seamless management and maintains without the need to buy and maintain the infrastructure on-premise. We believe such benefits from such a service can be a transformation point for businesses/users. Users can be more efficient and more productive. Whether the business is small, medium or large sized cloud computing can up scale the business with hassle free.



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# AUGMENTED REALITY

INDUSTRY TALK 4 BY DR. RUZIMI MOHAMED



Makarov, A. (2021, November 16). 10 Augmented Reality Trends in 2021: The Future is Here. MobiDev. <https://mobidev.biz/blog/augmented-reality-future-trends-2018-2020>

## ISSUES DISCUSSED IN THE TALK:

### 3 Keys where human beat machines.

- Creative endeavors.
- Social Interaction.
- Physical dexterity and mobility.

### 5 Things to consider when choosing career.

- Study data science.
- Choose a job that robot can't do.
- Keep in touch with the job market.
- Be data savvy.
- Get familiar with Artificial Intelligence.

## Summary of Industry Talk

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Industrial Revolution 4.0 is about transforming the world with cloud technologies where it can be accessed anywhere and anytime. There were many of predictions that were made from 2015 for the year 2025. Malaysia is still not achieving the prediction made by the World Economic Forum. Anyway, there was a prediction that Malaysia had achieved which was more rides will be shared cars than private cars. Augmented reality (AR) had been used in many apps such as Instagram and Snapchat where it allows us to take a picture with doodle and moving stickers on it.

There are 10 skills for future jobs in industry revolution 4.0. Complex problem solving, critical thinking, and creativity are the most important skills for the future jobs. Other than that, we must have people management, coordinating with others, emotional intelligence, decision making, negotiation, and cognitive flexibility. Common positions in AR industry are content developer, content strategist, user experience designer, animator or sound artist, community manager and project manager. All positions are related to each other to produce the best team and best product.



R. (2020b, August 20). The Future of Augmented Reality in Healthcare. In Augment. <https://www.inaugment.com/the-future-of-augmented-reality-in-healthcare/>



Zeal Augmented Reality. (2021, June 25). The Modern Era of Augmented Reality Service for Education. ZealAR. <https://zealar.com.au/the-modern-era-of-augmented-reality-services-for-education/>

## Reflection

The information that we gained was augmented reality will be the most used digital industrial technology in the future where a lot of different industries would use the augmented reality technology to promote their products and they will save a lot of energy to do anything that is more important to concentrate on. Other than that, augmented reality technology will give a lot of benefits for medical purposes such as training using AR before performing risk surgery to avoid making mistakes that can disturb the surgery operations. Augmented reality technology also gives impacts to education such that the student can get a better look and understanding about a certain topic and also experience to handle something that can't have in school. Example, handling simulation machines and a huge server room. Lastly, we think AR will be the starter for new life with technology where people don't need to travel far to get something that they want which changes the humanity life from better to advanced life.