

CLOUD COMPUTING SERVICE PROVIDER

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LIST OF CLOUD SERVICE PROVIDERS



ServerSpace

ServerSpace is an excellent platform to rent Cloud IT infrastructure online. You can use their service to set up and deploy virtual servers, network circuits, order SSL certificates, administer domain zones, and monitoring.

Microsoft Azure

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

Google Cloud Platform

Google Cloud Platform is a collection of Google's public cloud computing services. The platform includes a variety of Google-hosted services for computation, storage, and application development.

Oracle Cloud

Application Performance Monitoring, Infrastructure Monitoring, Log Analytics, Orchestration, IT Analytics, Configuration and Compliance, and Security Monitoring and Analytics are all part of **Oracle's Management Cloud**, which offers DevOps tools for developing strong applications.

Rackspace Cloud

Rackspace Cloud is a set of cloud computing products and services billed by the US company Rackspace on a utility computing basis. Offerings include cloud storage, virtual private servers, load balancers, databases, backups, and monitoring.

COMPARISON CLOUD SERVICE PROVIDERS

Any company considering moving its operations to the cloud should first conduct a Cloud service provider comparison to discover each provider's strengths and weaknesses. Not all cloud service providers are the same, and neither is your company. There are similarities in using all of the 5 cloud services. All of the companies will enable users to store files and applications on remote servers and then access all the data via the Internet. This means the user is not required to be in a specific place to gain access to it, allowing the user to work remotely. Other than that, It will maintain multiple copies of the data to mitigate instances of security threats, data loss, and data breach. The dissimilarities among the cloud service providers is Cloud Pricing. Basically, the cloud pricing is based on the products that we choose for our business. There are a lot of products offered by the Cloud Services Providers such as *IaaS*, *PaaS*, *SaaS* and *FaaS*. However, these all depend on the company for the cloud service they want to use.

REFLECTION

We can agree that technology developments, such as Cloud Service Provider, are very useful to society in their lives, particularly for companies that aim to achieve Industry Revolution 4.0. This is due to the myriad advantages that Cloud Computing provides, such as less IT costs, greater flexibility in work methods, and increased collaboration efficiency. Moving to cloud computing, may lower the cost of operating and maintaining your IT systems, allow workers to be more flexible in their work practises, and allow your company to collaborate and share projects more easily than ever.



REFLECTION

Innovation refers to constant improvement of the products and services offered by any organization. The exposure on Amazon Web Services (AWS) in the talk, which includes terms that we've never heard before, helps us expand our understanding on what's currently happening in the technological world. For instance, we get to know why laptops nowadays use SSD compared to HDD. "Although SSD is widely used, it will never replace HDD entirely because not all data needs to be processed fast", says Dr. Qusay.

Other than that, the benefit of enrolling into the AWS increases the chance of one's to get an interview and this ultimately boosts our chance of getting employed in the future. This is mainly because AWS achievement is recognized and acknowledged all around the globe and on top of that, it is easier to access than the traditional method. Finally, this is why, taking part in an innovation really pays off as it significantly increases our knowledge in technology and provides us a clear vision on our future.

WHY AWS CLOUD COMPUTING?

Q : What is the difference between traditional computing model and cloud computing model ?

A : Traditional computing require staff, rent a space, planning, have long hardware procurement cycle, time consuming ,80% of security issues and availability issues is because of staffs, people do mistakes

Cloud computing however, is flexible, more secure, cost efficient (pay only for the amount you consume), problems from hardware infrastructure can be eliminated easily, consume less time (only minutes to search resources and having the resources)

Q : What is **AWS** ?

A : **AWS** provides servers, storage, networking, remote computing, email, mobile development, and security.

Q : Introduction to web service : what is it ?

A : Web service is any piece of software that makes itself available over the internet and uses a standardized format for the request and the response of an application programming interface (API) interaction.

Q : Why choose **AWS** ?

A : **AWS** has a pricing calculator which calculates all essential costs such as monthly cost which saves time and also saves money to hire staff which specifically does all the pricing data.

SUMMARY

The talk emphasizes the benefit of changing the infrastructure of a company from hardware to software. A company should stop spending money on running and maintaining data centers, no need to worry about staff, utilities, landscaping because aws will manage all of that. Instead, use the time and money on focusing business and getting engagement with customers. You could save up to 96% per year by moving your infrastructure to aws because hardware infrastructure has problems such as staff absence and mistakes. For your information, amazon already bought servers and routers for you and it has covered more than 14 regions for availability in this service. Thus, you just need to know where you need to place your servers and it will run perfectly and also you can make your program or app globally in minutes. "Keep in mind that companies go to cloud services to save money and more efficiency/agility" says Dr. Qusay.

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What is Augmented Reality?

Augmented reality (AR) is a three-dimensional interactive experience that mixes real-world views with computer-generated features. AR differs from VR in that VR is a fully self-contained computer environment, whereas AR overlays computer components on top of real-world items in real time.

AUGMENTED REALITY

BY DR RUZIMI MOHAMED
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source and citation :

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Augmented reality and 4th Industrial Revolution

As Malaysia is striving toward the 4th I.R, the nine supporting pillars known as "9 Digital industrial technologies" play a major role as it is the foundation for bringing Malaysian closer to technological and network connectivity. With Augmented Reality (AR for short) being one of them, its future is expected to be involved in a lot of sectors such as video gaming, healthcare and engineering within 2025 with a large amount of revenue set on its development. Other than that, Augmented reality is expected to be projected to 3.5 billion users, within snapchat and instagram, which include ¼ of the population and 9 out of 10 brands are planning to apply Augmented reality in their campaign with over 15 billion dollar revenue. With the up and coming of augmented reality, there have been 10 popular uses or cases for AR in many fields such as education where students are able to use AR to inspect a matter in a 3D manner where it can revolutionize how they study and give huge advantage to those who study through visuals. Other than that, AR can also change how people shop for fashion and design. By using AR, we can see how a product might look on us when we get it, allowing some insight into whether it is worth the buy or not, and this concept is applied in "virtual fitting room technology" with expected revenue of 10 billion dollars by 2027. Another game changing factor that is brought about by AR Technology is the creation of Metaverse, which is thought of as a physical, augmented and virtual reality in a shared online space. It is the next evolution of internet and will greatly affect all industries. Other popular use of AR currently include design, jarvis-like AI, indoor/ outdoor navigation, healthcare, automotive industry, sport industry and virtual user instruction and manual instruction.

To summarize, this talk presents the relationship between AR and the 4th Industrial Revolution in a manner that is easy to grasp by us, students. With the exposure of how Augmented reality works in the industries, type of AR and famous cases and use of AR, we were thrilled to be able to indulge in the process and direction the nation is taking to the realization of 4th I.R. Furthermore, the talks also present us with insight on how we should develop ourselves, from the human sides such as creative endeavors and social interaction to 4th I.R required skills such as complex problem solving, critical thinking and emotional intelligence. Lastly, the speaker did highlight the income of those involved in AR, which definitely became motivation for many participants to pursue this topic as a future career.

Reflection from the talk

The talk input gives some insight on how Augmented Reality will affect Malaysia in our journey to further digitize our industries in approaching the 4th Industrial Revolution. This has further expanded our perspective on the fields and requirements that are needed to improve our connectivity and technological development. Other than that, this talk has piqued our curiosity on how far AR can digitize our physical world such as learning through AR, digital showroom and enhancing our connectivity through the internet. Finally, we also gain some input on the skills needed from both soft skills and hard skills perspective, to contribute in the development of "9 Digital Industrial Technologies", the pillar of Malaysia 4th Industrial Revolution, Augmented Reality especially and be part of the bodies that move the nation towards its future.

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Type of Augmented Reality

First is Marker-based AR . Markers are identifiable patterns that cameras can quickly perceive and analyse. Markers stand out visually from the surroundings . Users may scan markers from their device's camera feed using software, which is generally in the form of an app. Second is Projection AR . The projection of light on a surface is one of the most basic forms of AR. Light is thrown onto a surface in projection-based AR, which is attractive and engaging. Third , Superimposition Based AR . The superimposition of the objects is explained by the term itself. This AR displays a replacement view of the in-focus item. This is accomplished by overlaying an augmented view of the item over the complete or partial view.

