23rd November 2021

Cloud Computing Service Provider,

GOOGLE CLOUD PLATFORM
MICROSOFT AZURE
ALIBABA CLOUD
ADOBE CREATIVE CLOUD
IBM

Google Cloud Platform

A set of cloud computing services provided by Google that run on the same infrastructure as Google's end-user products such as Google Search, Gmail, Google Drive, and YouTube. In essence, it offers a variety of cloud services, such as computing, data storage, data analytics, and machine learning. Google has extensive support for container orchestration system like Kubernetes as it was originally designed and created by google itself . Google Kubernetes Engine is the most powerful Kubernetes Service . **What is eye-catching is the fact that it is "customer-friendly pricing" . It is very economical ,simpler and suits the use for normal users aside from developers and business use** .This is what makes Google Cloud Platform special than any other Cloud Computing Service GCP optimizes performance using Object Lifecycle Management and provides affordable prices across all instance types as well as Custom Machine Types.

Microsoft Azure

A public cloud computing service operated by Microsoft .It provides software as a service (SaaS), platform as a service (PaaS) and infrastructure as a service (IaaS) .Mainly used building testing deploying and managing the application. **Supports a wide range of programming languages, tools, and frameworks, including both Microsoft-developed and third-party software and systems. Thus it is suitable for developers as it allows them to build sites using ASP.NET, PHP, Nodes.js, Java and Phyton .** It is also known to be available in 54 geographical regions, with roughly 162 different availability zones.Microsoft azure uses Azure Kubernetes Service as a support container which is compatible with Microsoft Visual Studio(a service tool to develop application) and Azure DevOps (used as a back-end to numerous integrated development environments). Microsoft added support for git which powers Github a popular platform for programming . It connects Git to Azure DevOps without the need to download it and also user will have the same benefit as to using Azure DevOps . In short , Azure focuses on an end-to-end experience from coding to deployment and monitoring

The ones bold in white is the comparison for each cloud computing service

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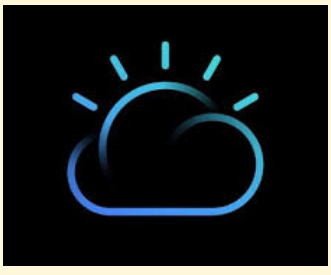
Alibaba Cloud

A cloud computing firm. It offers online enterprises and Alibaba's own e-commerce ecosystem cloud computing services. . **A pay-as-you-go basis similar to AWS, where you pay for the storage you use**. Alibaba Cloud is the market leader in China, which has long been a promising and rapidly rising market. It may be used for e-commerce, large data, database, internet of things (IoT), object storage (OOS), Kubernetes, and data customisation, and it can be controlled by Alibaba's website or the aliyun command line tool. It also includes fast Virtual memory and the latest Intel CPUs to help cloud applications run faster with far less latency. To achieve high performance, low latency, and high reliability, this cloud leverages Elastic Block Storage, a block-level data storage connected to ECS instances. To store unstructured data in the cloud, use object storage with built-in edge caching.

IBM Cloud

IBM's icloud computing services are a type of cloud computing for businesses. Infrastructure as a service (IaaS), software as a service (SaaS), and platform as a service (PaaS) are all available through **IBM Cloud's Hybrid cloud, which is a mix of private and public cloud. Customers benefit from a hybrid cloud approach because it is more flexible and approachable, especially when dealing with sensitive information that must be made public for testing purposes**. This is on top of the elements that make up the cloud.



Adobe Creative Cloud

Is a cloud computing that that is based on applications and services from Adobe Inc. Adobe Creative Cloud in particular is different form other cloud computing services as it **focuses on graphic design, video editing, web development, photography, along with a set of mobile applications and also some optional cloud services**. Creative Cloud is downloaded from the Internet, installed directly on a local computer and used as long as the subscription remains valid. This cloud is beneficial for users who are intrigued with art and technology. Besides this cloud provides learning and tutorial videos despite having impressive tools to work for . The tools consist of 29 desktop apps and 10 mobile apps . A very popular application form Adobe is photoshop which is used to enhance images ,work on 3D artwork and website designs .

CITATION:

- Adobe Creative Cloud for Teams. (n.d.). LeadingEdge IT Services & Solutions. https://www.leadingedgetech.co.uk/it-services/our-tools/adobe-creative-cloud/
- Wikipedia contributors. (2021a, October 26). Adobe Creative Cloud. Wikipedia. https://en.wikipedia.org/wiki/Adobe_Creative_Cloud
- Google Cloud Platform. (n.d.). Wikipedia. https://en.wikipedia.org/wiki/Google_Cloud_Platform
- Wikipedia contributors. (2021, November 13). Microsoft Azure. Wikipedia. https://en.wikipedia.org/wiki/Microsoft_Azure
- Wikipedia contributors. (2021a, October 28). IBM cloud computing. Wikipedia. https://en.wikipedia.org/wiki/IBM_cloud_computing
- Wikipedia contributors. (n.d.). Alibaba Cloud. Wikipedia. https://en.wikipedia.org/wiki/Alibaba_Cloud

15 NOVEMBER 2021

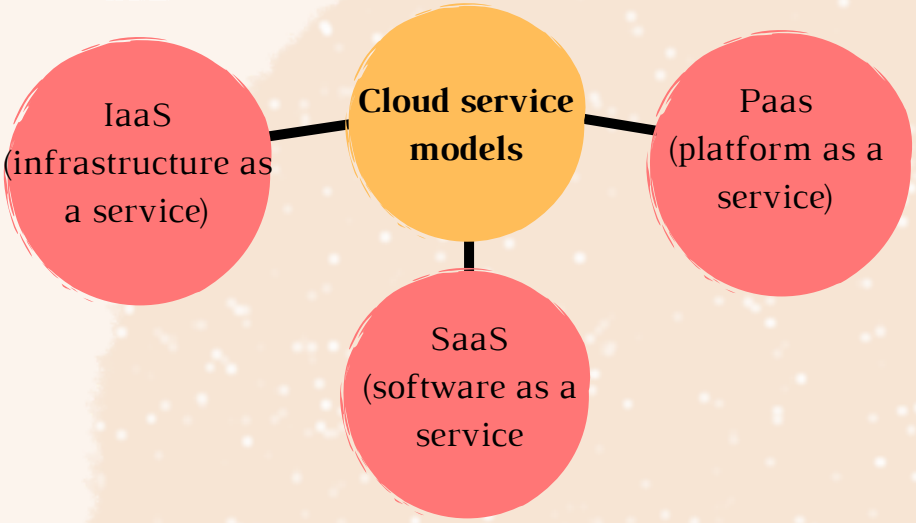
INDUSTRY TALK 3 BY ASIA PACIFIC UNIVERSITY

AMAZON WEB SERVICES: CLOUD COMPUTING

What is Cloud Computing and AWS?

In the simplest way, Cloud Computing is the pay-as-you-go supply of computing power, databases, storage, apps, and other IT resources over the internet. This will help you to think and use it as software rather than assuming infrastructure as hardware. This can help us in many ways such as helping to save costs. human skills and energy and also more fast and effective. With choices of cloud computing deployment models such as **cloud**, **hybrid** and **private**, it works as your virtual computing environment depending on how much data you want to store and who has access to the infrastructure. The advantages of this services are it can trade capital expense for variable expense, increase speed and agility, avoid from spending money on running and maintaining data centers and most important it can go global in minutes all over the world.

AWS is a safe cloud platform that provides a diverse range of worldwide cloud-based services. This platform allows you to access computing, storage, network, database, and other IT resources and management tools on demand. Moreover, you only pay for the services you use, for as long as you use them, and AWS services are designed to function together like building blocks.



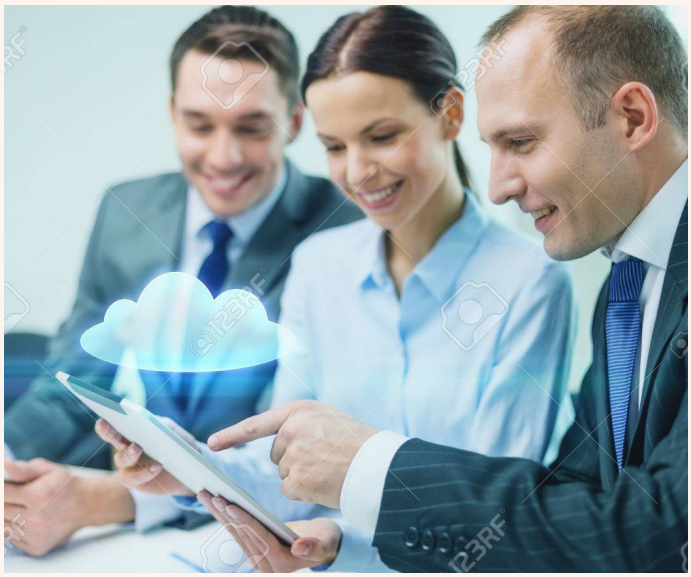
AWS services categories :

- **Analytics**
- **Application Integration**
- **AR and VR**
- **Blockchain**
- **Business Application**
- **Compute**
- **Cost Management**
- **Customer Engagement**
- **Database**
- **Developer Tools**
- **End User Computing**
- **Game Tech**
- **Internet Of Things (IoT)**
- **Machine Learning**
- **Management and Governance**
- **Media Services**
- **Migration and Transfer**
- **Mobile**
- **Networking and Content Delivery**
- **Robotics**
- **Satellite**
- **Secure, Identity and Compliance**
- **Storage**

Reflection

As conclusion, we can summarize that cloud computing does give a huge impact on the world nowadays especially in an aspect of the business. Cloud computing works in a similar way to web-based email clients in that it allows users to access all of the system's functions and files without having to retain the majority of the system on their own computers. Most individuals, in fact, are currently using cloud computing services without even realizing it. Cloud-based applications include Gmail, Google Drive, and even Facebook and Instagram. Users transfer their personal data to a cloud-hosted server for all of these services, which archives it for later access. These apps are just as beneficial for personal use as they are for organizations that need to access massive volumes of data over a secure, internet network connection.

Three ways for you to interact with AWS are using the **AWS Management Console** which is easy to use for graphical interface, the **Command Line Interface (AWS CLI)** that allows you to access to services by discrete commands or scripts and lastly the **Software Development Kits (SDKs)**, help you to connect to the Amazon website from your code such as Java or Python. By using cloud computing, this will help you to track on how fast you can deployed, how much money you can save and how easy is it to be use. Not just that, it also will help you to identify direct and indirect costs of system through the **Total Cost of Ownership (TCO).**



Citation

- Types of cloud computing - amazon web services (AWS). (n.d.). Retrieved November 23, 2021, from https://aws.amazon.com/types-of-cloud-computing/.
- Cloud deployment model. Cloud Deployment Model - an overview |ScienceDirect Topics. (n.d.). Retrieved November 23, 2021, from https://www.sciencedirect.com/topics/computer-science/cloud-deployment-model.

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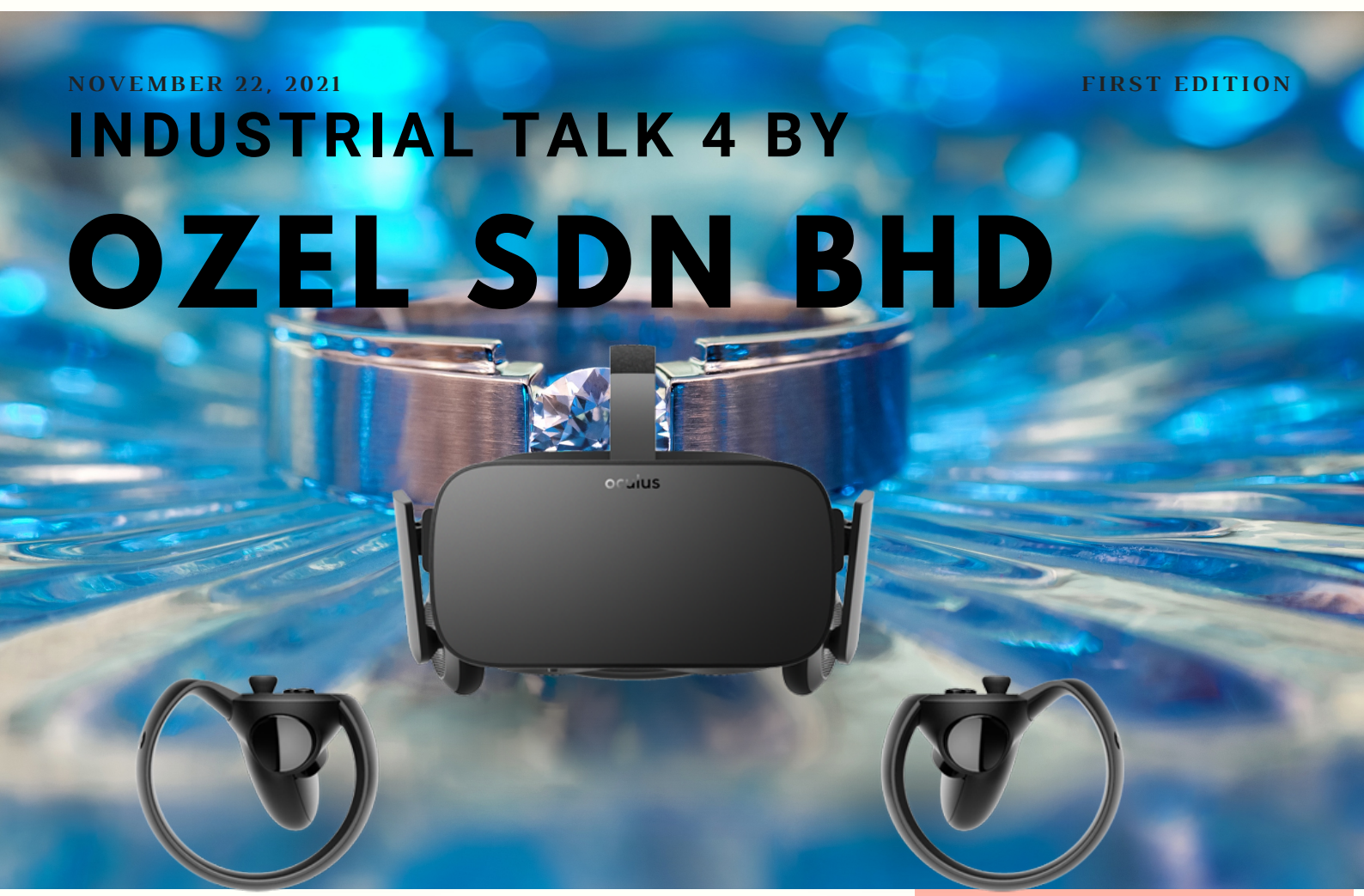
NOVEMBER 22, 2021

FIRST EDITION

INDUSTRIAL TALK 4 BY

OZEL SDN BHD



Summary

To summaries , VR & AR are one of the newest technologies that has always been the talk of mouth as we as humans like to experience latest development . It goes through many processes of modification in order to improve the sensation of reality in a virtual world. Augmented reality (AR) adds digital elements to a live view often by using the camera on a smartphone. Examples of augmented reality experiences include Snapchat lenses and the game Pokemon Go while on the other hands, Virtual reality (VR) implies a complete immersion experience that shuts out the physical world. Using VR devices such as HTC Vive, Oculus Rift or Google Cardboard, users can be transported into a number of real-world and imagined environments such as the middle of a squawking penguin colony or even the back of a dragon.

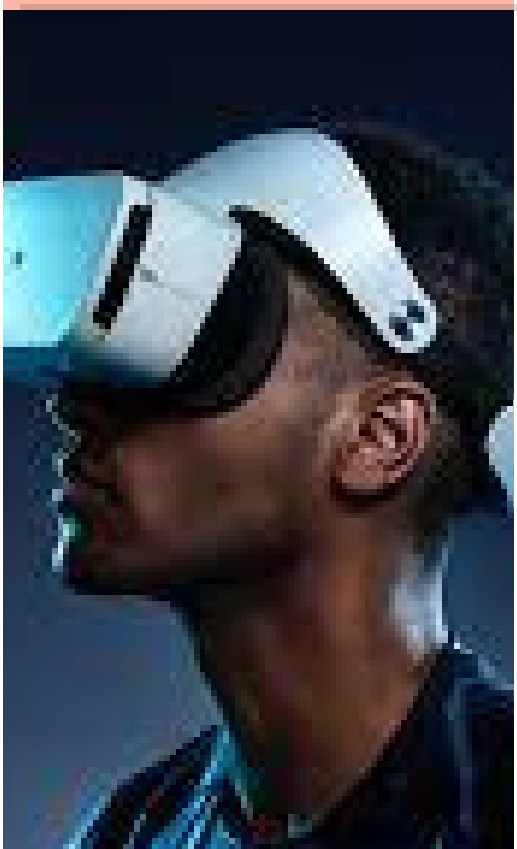
Nowadays, there are many companies that would like to work together with the developer as the demand in using VR/AR technologies keep increasing especially in an e-commerce companies as they mainly focus on marketing, mobile-augmented reality is very promising. Looking at a watch on your wrist, or sunglasses in selfie mode, trying on shoes, and wearing make-up, all with your mobile device. Hence, it create the biggest an oppurtunity for E-commerce to leverage mobile AR. - Azad Abbasi, Genius

Citations:

- Panel®, E. (2020, September 2). 10 Industries Likely To Benefit From AR/VR Marketing. Forbes. https://www.forbes.com/sites/forbesagencycouncil/2020/09/04/10-industries-likely-to-benefit-from-arvr-marketing/?sh=299fb1092ed2
- What's the Difference Between AR, VR, and MR? (2020, January 7). The Franklin Institute. https://www.fi.edu/difference-between-ar-vr-and-mr

IN THIS ISSUE

WHY YOU SHOULD BE PAYING ATTENTION TOWARDS AR/VR



NOVEMBER 22

First of all, as we know that currently AR/VR technologies are one of the current issues that are kept being told about since the pandemic, most of people are having a hard time to dealt with it. In attempt to solve this kind of problems, recently, In October, Mark Zuckerberg changed the name of Facebook's parent company to Meta and proclaimed of the metaverse, "You're going to be able to do almost anything you can imagine." Facebook will soon hire 10,000 workers in the EU to build out Zuckerberg's vision. The company already owns Oculus, a VR goggles company, and is trying to coax people to buy cheap headsets as a gateway to the metaverse. Besides, Microsoft, Tencent, Snap, Nvidia and others have started pouring resources into developing the metaverse—but the company leading the charge most publicly is Facebook. As we can see, a metaverse, which can be define as an advanced version of the Internet that you are inside of—instead of merely looking at. In this singular 3D world, you walk around as an avatar, interacting with other avatars; you can buy and sell virtual stuff, go to work, form communities, play games, wage war. This mean that in a near future, we might be able to use this technologies as much fully as we can to solve the current issues. Who knows, that we're probably going to able to live in the virtual world as a second life.

Citation

Chow, A. R. (2021, November 18). Why TIME Is Launching a New Newsletter on the Metaverse. Time. https://time.com/6118513/into-the-metaverse-time-newsletter/

REFLECTION

in this rapid developing world, we need to brace ourselves on augmented reality (AR). The world might change into something that we have never seen before. It might change our live in a way that we have never seen or experience before. Even though it's still under development, we might just be ready on what is coming. On the other hand, we can say that augmented reality is very benificial to us in many sector. For example, on education purpose AR may increase engagement and interaction thus provides a more enhance user experience. Next, it is also at a low cost, saving a lot of time and simply enjoyable and innovative. In conclusion, augmented reality is a great idea overall and people shouldn't neglect this section of technology because it requires everyone to work together in making this dream alive

an example of AR which is Pokemon Go, a game where virtual meets reality

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