



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECP1513 – Section 07

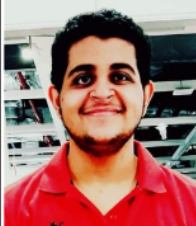
Technology and Information System

ASSIGNMENT: Newsletters on Cloud Computing Service Provider, Industry Talk 3 by APU and Industry Talk 4 by OZEL Shn Bhd

LECTURER: Mr. Hairudin Bin Abdul Majid

DUE DATE: 28/11/2021

Group Leader's Contact Number: +8801867-348422

GROUP MEMBERS					
	Arshad Parvez Dipto (Group Leader)	Yousef Khaled	Amar Hassan	Maysara Mohamed	Youssef Rames Mohamed
MATRIC NUMBERS	A21EC4007	A21EC4023	A21EC4004	A21EC4002	A21EC9133

Cloud computing

What is cloud computing?

Cloud computing refers to the on-demand advances in computer system resources, particularly data storage and computational power, without the user having to manage them directly. Functions in huge clouds are frequently dispersed across multiple locations, each of which is a data center.

What is Cloud Computing?



Amazon web services in cloud computing (AWs)?

Amazon Web Services (AWS) is the most complete and widely used cloud platform in the world, with over 200 highly customizable services available from data centers all around the world. AWS is used by millions of clients, including the fastest-growing businesses, largest corporations, and top government agencies, to reduce costs, improve agility, and accelerate innovation. The AWS has many categories such as Analytics, AR and VR, Database, Machine learning, Robotics, Game tech...etc.

The advantages of (AWS) cloud computing:

1. User-Friendliness
3. Unlimited Server Capacity
2. Extremely Diverse Tool Set
4. Dependable Encryption & Security
4. There Are Managed IT Services Provided
5. AWS Provides Flexibility and Cost-Effectiveness

Cloud computing

After I attended the meeting, now I know more about AWS cloud computing. Most students like me are now more motivated to start the AWS course and even learn more. As Dr. Qusay said, "This is the future". I totally agree with him cause everything now is going to be digital and we basically live in a tech-driven world so, we need to evolve and catch up with these amazing services and technology that has been given to us.

List of names and references:

1. Amar Hassan (A21EC4004)
2. Arshad dipto 3. Youssef Khaled
4. Youssef Ramez 5. Maysara Mohamed

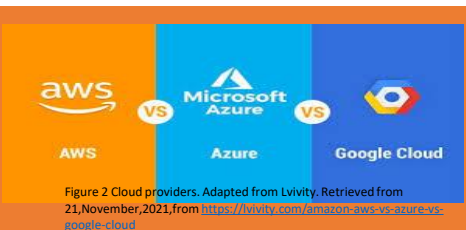
<https://aws.amazon.com/what-is-aws/>

<https://sados.com/blog/aws-benefits-and-drawbacks/>



NEWSLETTER

21st November 2021



Which provider should you use ?

Comparing cloud service providers there are 3 factors:

First, types of providers this includes regions that provider covers, reliability, data center locations, size, security, etc. In terms of reliability and availability, Microsoft Azure is leading with 54 regions. Oracle, Google, Alibaba and IBM available in 30, 20, 19 and 6 respectively.

Second, services offered. Comparing number and quality of services once again Microsoft is in the lead, followed by Google, Alibaba, Oracle and IBM (from most to least) according to Gartner report. The most important services to look at when comparing are multiclouding, analytics, IOT, AI and edge computing

Last, pricing. Overall, Google cloud is considered as the most affordable cloud provider, then comes IBM, Oracle, Alibaba and Azure. Although, the ranking may defer depending on type of service, bundling services and some other factors.

Five of the best cloud Computing service providers



Microsoft Azure, launched in February 2010. Is the best and fastest growing cloud provider, despite launching years after Google cloud and AWS. This provider offers hundreds of services. Azure is dominating the field because of the previous Microsoft products and services in the cloud that is exclusively offered in Azure.

Google cloud, launched in September 1998. It has a wide range of tools that ensure the performance consistency. Google cloud allows its clients to create business solutions through Google-provided modular web services. Using multilayered secure infrastructure. clients stay confident that everything they have in Google cloud is protected.

IBM cloud, launched in April 2011. IBM cloud- formally known as Bluemix- is basically a set off cloud computing services mainly for businesses. Offers several types of providers. This provider is very unpopular comparing to its success, because of some missteps in the marketing process and duplicated development.

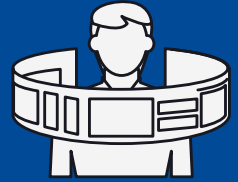
Oracle cloud infrastructure, launched in October 2016. It is a cloud service from computing behemoth(Big Electronic Human Energized Machine, Only Too Heavy). Oracle is mostly used by big enterprise needs rather than individuals or small businesses.

Alibaba cloud, launched in September 2009. Headquartering in Singapore, Alibaba is the largest cloud service provider in China. In fact, it was initiated to serve Alibaba's own electronic commercials, but now it is opened for the public.



Figure 1 Cloud Providers. Adapted from C#Corner. Retrieved from 21, November, 2021, from <https://www.sharpcorner.com/article/top-10-cloud-service-providers/>

The current trends in Augmented Reality



What is augmented reality?

Augmented reality is defined as the enhancement of the real world environment using computer generated elements. Which can be accomplished through the use of visual effects, sounds, videos, GPS overlays and haptic feedback.

Furthermore, an augmented environment could create interactions and potentially manipulate our everyday world to make life easier. As augmented reality technology advances over time, they could possibly even change the way we do shopping, work, learn or even entertain ourselves.



Augmented reality can not only uphold all the necessary information to the user, but also allow interactions with existing technologies.



Augmented reality can make beautiful artwork like these come to life. They also make them interactive.

AR in the industry

Augmented reality is undoubtedly one of the most trending technologies in the industry. AR can allow easier interaction, visualization and product representation among industrial workers. Resulting in increased efficiency, productivity and less errors in corporate affairs. It also helps to have interactive 3D service manuals for every type of work.

Featured trends



Education and Augmented Reality

AR can enable educators to better engage with students by representing their lessons using interactive 3D models, virtual examples and overlays filled with fun facts. Learners and scholars would certainly benefit from the visualization potential of AR, as digital renders can make many confusing concepts come to life.

AR in Shopping and Marketing

While shopping, have you ever looked at a dress, a pair of shoes or glasses and wondered, "Can I try that on?" Wouldn't it be great if you could see how we plan to buy would furniture looks like in our houses? With the help of augmented reality, we can now accomplish those tasks.

AR in Healthcare

Augmented Reality can enable every piece of critical information and digital imagery available in front of the surgeons so they can perform a successful procedure without being distracted.

AR in Video Games and Entertainment

AR gaming implements game visuals and audio into the real world environment to create an immersive entertainment experience. Advanced AR games may even use the user's environment, gyroscope, GPS, camera, clock to create an environment of it's own. This potential of unparalleled entertainment turned AR gaming into one of the most demanding trends.



Father.io and Pokemon go are existing examples of AR games. There is so much potential for entertainment.

References:

- Marr, B. (2021, July 13). The 10+ Best Real-World Examples Of Augmented Reality. Bernard Marr. <https://bernardmarr.com/the-10-best-real-world-examples-of-augmented-reality/>
- Group Members: Arshad Parvez Dipto (A21EC4007), Yousef Khaled (A21EC4023), Amar Hassan (A21EC4004), Maysara Mohamed (A21EC4002), Youssef Rames Mohamed (A21EC9133)

References (Cloud Computing Service Providers Newsletter):

- Chand, M. (2021, July 15). *Top 10 Cloud Service Providers In 2021*. C#Corner.
<https://www.c-sharpcorner.com/article/top-10-cloud-service-providers/>
- Dignan, L. (2021, April 2). *Top cloud providers in 2021: AWS, Microsoft Azure, and Google Cloud, hybrid, SaaS players*. ZDNet. <https://www.zdnet.com/article/the-top-cloud-providers-of-2021-aws-microsoft-azure-google-cloud-hybrid-saas/>
- Drake, N. (2021, September 14). *Best cloud computing services of 2021*. ITProPortal.
<https://www.itproportal.com/guides/best-cloud-computing-services/>
- Marks, B. E. (2020, April 16). *How to Compare Cloud Providers, Services, and Prices in 2020*. Cloud Spectator. <https://cloudspectator.com/how-to-compare-cloud-providers-services-and-prices/>
- Raj Bala, Bob Gill, Dennis Smith, Kevin Ji, David Wright. (2021, July 27). *Magic Quadrant for Cloud Infrastructure and Platform Services*. Gartner Reprint.
<https://www.gartner.com/doc/reprints?id=1-271OE4VR&ct=210802&st=sb>