

Group Assignment 2

The 3 Newsletters

Group 1



Abdulkader Sardini

A21EC4005



Alfarabi Mohani

A21EC0248



Awfan Alfa Vinandry

A21EC4008



Shi Junhui

A21EC4020



Sondos Tamer Moustafa

A21EC0277

1

Microsoft Azure

Is a public cloud computing platform by Microsoft. This provider offers various cloud services, such as computation, analysis tools, storage and networking.



2

Alibaba

Is a private Cloud Computing Company, from Alibaba Group. For online businesses and Alibaba's electronic e-commerce.



3

DigitalOcean Cloud

Is an American cloud infrastructure provider.



4

Google Cloud Platform

Is a cloud service provider by Google, it provides modular cloud services, computation, data storage, data analysis, and machine learning.



5

Huawei Cloud

Is a global cloud computing provider by Huawei.



Final Comparison

AWS cloud service is the best. In terms of storage and database services, both technology and stability have advantages. The service has a long history and many functions. In addition, AWS has the best operating experience and reputation. Yes, but AWS is slightly inferior to Alibaba Cloud in terms of network and CDN. The key point is that Amazon not only has a traditional cloud, but also a GPU cloud. The Azure (Microsoft Cloud) management interface is not very good compared to other cloud services, but in some places the benchmark data is quite eye-catching, the interface is very simple, and it is often done with a few clicks of the mouse, and it is combined with VS very good. But the price is higher than AWS. And in some places, there are not as many functions as AWS. Alibaba Cloud has the best cloud ecology in China, and the price of Alibaba Cloud for small companies will be lower than Azure (Microsoft Cloud)AWS (Amazon Cloud) is cheaper. The advantage of HUAWEI CLOUD is its strong R&D capabilities, but the disadvantages are also obvious. HUAWEI CLOUD is a closed system, and domestic multinational companies will consider whether the server will affect themselves if the server is in Huawei. Google's technology in distributed computing and distributed storage is very powerful compared to other cloud services, because they develop and operate the world's largest online service. However, since Google released the APP engine, it has fallen far behind the other two giants in the commercial cloud computing market. (AWS and Microsoft Azure)



Presented By: **Dr. Qusay Al-Maatouk**

SUMMARY

Asia' Pacific University had provided UTM one of its honorable lecturers, Dr. Qusay, to make a presentation about Cloud Computing and Amazon Web Services, along with brief explanations about its techniques, variations, and its implementations on our lives.

Dr. Qusay really did demonstrate such a condensed and informative talk that cannot be simply summarized in short words. Mainly, he talked about what cloud computing is, and what the world knows of it now. Then, he proceeded to explain about its models, services, and deployment methods. Moreover, Dr. Qusay put an emphasis on how costly it is to own your own server, maintain it, and hire IT professionals to keep it error-free. He then continued to elaborate more on the time and effort needed for it to remain functioning as required.

Afterwards, Dr. Qusay started to talk about Amazon Web Services (AWS), and how it aims to be the solution to the aforementioned obstacles. From what he presented, it was made obvious that AWS is highly optimistic in terms of offering the matching solution for its customers. Later, Dr. Qusay explained about the customer's interaction with AWS, and how there are dedicated professionals for the job. In the end, he came across a crucial point which is the reason you should choose AWS, and that was that it owns more than 70% of the market share, along with extremely comfortable sets of services and solutions, making it pretty much among the best choices for aspiring clients.

REFLECTION

From the talk, I've felt the mere passion and purpose behind Dr. Qusay's presentation, so it made me more encouraged to find out more about this service. In my opinion, AWS could help improve the human life by offering access to cloud computing to an ever-increasing number of individuals, and that it would also allow more businesses on the smaller side to save enormous costs on the computing part of their area of work, and I perceive this as a fundamental basis to the future human development.

ISSUES DISCUSSED:

Cloud computing definition

Cloud service models

Cloud computing deployment models

The financial challenges of the traditional methods

The time and effort costs of regular non-cloud services

The definition and types of Web Services

All about AWS

Interaction with AWS

Why you should choose AWS

Abdulkader Sardini A21EC4005

Alfarabi Mohani A21EC0248

Awfan Alfa Vinandry A21EC4008

Shi Junhui A21EC4020

Sondos Tamer Moustafa A21EC0277

AUGMENTED REALITY

22 NOVEMBER 2021

INTRODUCTION

Augmented reality is used to describe the use of technology to add extra digital layers to an existing physical environment such as graphics or sound to enhance it, often viewed through smart phones, smart lenses and smart glass.

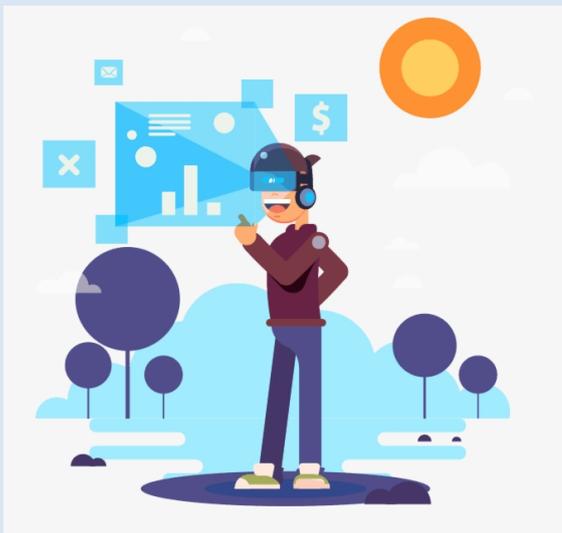
In recent years, Augmented reality has grown exponentially and expanded to include education, healthcare, entertainment and more. As AR grows in demand its market is expected to be valued at \$88.4 billion by 2026.



THE FUTURE OF AR

Nowadays, AR is not just inclusive of snapchat/IG filters or AR games like Pokémon go. AR is now implemented in different fields with education on the top of the well-known applications list. Thanks to the availability of AR apps, students can now enhance their learning experience with the use of 3D Holograms to help understand complex concepts and even allows medical students to practice surgical procedures and aid them in anatomy.

Another example is the use of AR in shopping. Some stores like H&M have already implemented virtual fitting rooms technology in their stores to allow customers to try out virtual clothes. This is not only limited to clothing, as IKEA now allows its customers to scan furniture from the catalogue to virtually place it in their homes prior purchase.



ISSUES ASSOCIATED WITH AR

Although AR plays a great role in improving everyday tasks like studying and shopping and overall contribute to the convenience and comfort of its users it is limited by cost as the technology (applications and devices used) is costly to implement.

There are also concerns regarding the user's privacy as the surrounding environment needs to be scanned to digitalize it. In addition to that, such technology can be a great distraction and possibly lead to addiction.



REFLECTION

Generally, AR would have an insane role in aiding people in a wide variety of fields, Ranging from education, medicine, flight training, prototype building, all the way to entertainment and shopping. I believe it could especially improve shopping and e-commerce, as it would allow customers to try out and examine the products seamlessly and without hassle.



SUMMARY

In short, Augmented reality is a 4th IR technology that digitalizes an environment and adds extra virtual layers to it that could entertain or aid users with tasks. AR is already ahead of other technologies and can now be found in almost all fields(examples: gaming, education, healthcare, navigating and more)

Resources

http://blogatu.ro/wp-content/uploads/2017/02/huawei_logo.jpg

<https://www.logolynx.com/images/logolynx/0b/0b42e766caee6dcd7355c1c95ddaaa1c.png>

https://www.itoffside.com/wp-content/uploads/2017/07/DigitalOcean_logo.svg_.png

<https://www.subpng.com/png-guyf2d/download.html>

<https://logos-world.net/wp-content/uploads/2021/05/Microsoft-Azure-Logo.png>

<https://3.bp.blogspot.com/-FtGUasGq57A/W4qRjUmCgCI/AAAAAAAAAGm8/usqT-6GDjowVojqTsDj-AbVGDVIWorlgCLcBGAs/s1600/Amazon-Web-services.jpg>

<https://100offdeal.online/wp-content/uploads/2020/06/aws.jpg>

<https://cinchws.com/wp-content/uploads/2020/07/aws-banner.png>

<https://www.analyticssteps.com/blogs/what-augmented-reality-introduction-applications-and-threats>

<https://www.rfwireless-world.com/Terminology/Advantages-and-Disadvantages-of-Augmented-Reality.html>

<https://www.globenewswire.com/en/news-release/2021/10/06/2309582/28124/en/Global-Augmented-Reality-Market-Report-2021-Surging-Demand-for-AR-Devices-and-Applications-in-Healthcare-Forecast-to-2026.html>

<https://www.pinterest.com/pin/445786063107479337/>

https://www.nicepng.com/ourpic/u2r5r5t4i1q8o0i1_augmented-reality-illustration-augmented-reality-png/

<https://www.freepik.com/free-photos-vectors/augmented-reality>

<https://arvrjourney.com/ar-apps-for-remote-working-7881fb854d73>