UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECP1513 – SECTION 04

ASSIGNMENT: NEWSLETTERS

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27 NOVEMBER 2021

CLOUD COMPUTING SERVICE PROVIDER

TECHNOLOGY AND INFORMATION SYSTEM

EXAMPLES OF CLOUD COMPUTING SERVICE PROVIDERS

Cloud computing refers to the on-demand availability of computer system resources, particularly data storage and computational power, without the user having to manage them directly. Some of the service providers include Microsoft Azure, Google Cloud, Alibaba Cloud, IBM Cloud and Oracle Cloud. These 5 cloud computing service providers are currently the most prominent and impactful in the market.

Azure has hundreds of services in categories like AI, Analytics, and Blockchain. Google Cloud provides hosted computing, storage, and application development services using Google hardware. Alibaba's cloud architecture uses both Xen and KVM hypervisors to create VMs (virtual machines) that use the Elastic Compute Service. IBM has 174 cloud services for AI and ML, analytics, containers, databases, IoT, logging and monitoring, networking, storage. Oracle offers an Autonomous Database solution that uses machine learning to self-optimize and self-repair.

COMPARISON

Microsoft Azure provides consistent cloud services, including edge and comprehensive cloud capabilities, that other cloud vendors lack. With tools like TensorFlow, ML Kit, and Google Datasets, Google Cloud excels in big data, machine learning, and data science. Alibaba Cloud's PaaS and IaaS offerings rival other service cloud providers' in terms of availability, performance, and security. In the case of older applications, particularly memory-intensive databases, the IBM Cloud is a feasible alternative. Oracle stands out among other cloud providers with its meticulous architecture and competitive cloud services. Unlike other cloud providers, Oracle delivers all services simultaneously in all regions.

SUMMARY

Learning about cloud computing has undoubtedly enhanced my understanding and appreciation for the benefits of utilizing the cloud. Cloud computing enables us to expand our business since it lowers costs and allows us to customize it to meet our specific requirements.

Cloud computing has enabled organisations to store enormous volumes of data safely on the cloud without having to invest in a difficult and expensive infrastructure.

In addition, a cloud-based education platform like the UTM e-learning also makes it easier to gain access to resources both physically and digitally. Because of this, students will have easier access to the same materials and learning tools, independent of the devices or internet browsers that they are using. Virtual technologies, such as cloud computing, also give students a chance to learn on a continuous basis.

Firhad Hazimi Bin Jamaludin A21EC0175
Zihan Izhar Bin Azahir A21EC0241

INDUSTRIAL TALK 3

BY DINNIEY AND AMAR

ASIA PACIFIC UNIVERSITY

SUMMARY

ON 15th November,Dr Qusay Al Maatouk from Asia Pacific University gave a talk on cloud computing and one of its service provider which is Amazon Web Services,the talk lasted for about 1hour and 30 minutes .Dr Qusay gave explanation on cloud computing about its benefits ,overview of cloud computing,advantages and more.Dr Qusay being an expert in AWS gave a deeper insight on the usage of AWS and its capabilities as a powerful cloud computing. tool for business and companies looking for cheap and efficient way to manage data.After the talk p,a Q&A session were held and many student took the opportunities to ask the presenter about AWS and cloud computing as a whole.The answer given by Dr Qusay are concise and easy to understand and able to give student a better understanding of cloud computing.After that,the lectures was dismissed at around 5pm.

Reflection

During this talk,students are able to gain adequate knowledge regarding the clod computing,how it is utilize,the type of cloud computing available,and most important
y information regarding AMAZON WEB SERVICE PROVIDER(AWS).The topic discussed are very important for student to learn as AWS as shown by the presenter are crucially important in today technological world and having it as a skill are clearly a huge advantage in getting into the industry

CONTENT

Cloud computing os on demand now due to demand delvery of compute power,database,storage,application and other IT resources via internet with pas as you go pricing

I**INFRASTRUCTURE AS A SOFTWARE**

-enable you to stop thinking of infrastructure as hardware and use it as software

INFRASTRUCTURE AS HARDWARE solution is to have log hardware procurement cycle and do provision capacity by guessing theoretical maximum peak

Cloud computing model:HYBRID,CLOUD,ON PREMISES

ADVANTAGES:

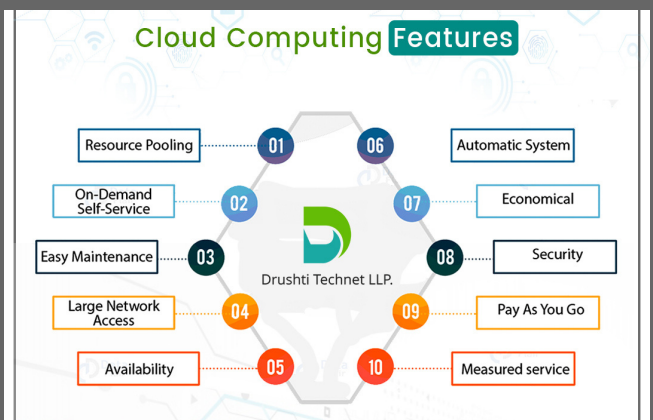
trade capital expense for variable expense
data center investment based on forecast
pay only for amount consume
-scaling on demand help to stop guessing capacity
go global in minutes

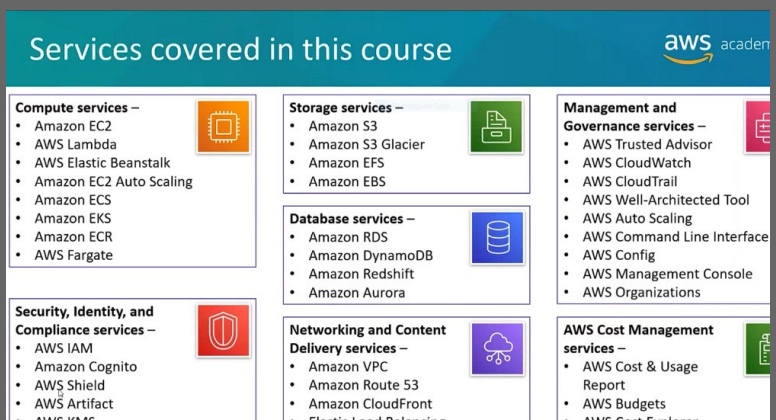
AMAZON WEB SERVICES(AWS)

AWS is a secure cloud platform that offer broad cloud based product
AWS provide on demand access to compute,storage,network,database and othe IT resources.
AWS offer flexibilty and only need to pay for individual services
AWS work together like building block

WAYS TO INTERACT WITH AWS:

AWS management console(easy to use graphical interface)
Software development kit(access directly form code like JAVA)
AWS offer 4 plan
basic support:resource center access,product FAQ
developer support:for early development
Business support:customer run production workload
Enterprise support:customer run business and mission critical workload





Technology and Information System

27 Nov 2021

Summary

On 18th November 2021, all Technology and Information System students from UTM attended an industry talk from OZEL . The talk were given by Mr Ruzimi Mohamed.Mr Ruzimi is a physically challenge person since born yet he achieved ultimate successes throughout his life. This talk opens up about Industrial Revolution 4.0 on Current Trends of Augmented Reality in Industry.He shared about World Economics Forum 2015, the future of augmented reality and its users with revenues.Mr Ruzimi also mentioned skills needed for future jobs especially in IR4.0 as well as the common position to work in Augmented Reality.

Abdulrahman Osama Galal Ali Turkey. (A21EC0244)
Muhammad Riyaaz Bin Kamal (A21EC0092)

Content of the talk

Future of Augmented Reality

Video games predicted will have the most revenues ($11.6b) by 2025 followed up by healthcare systems($5.1b) and technologies in engineering($4.7b). By 2022, Snapchat and Instagram will have around 3.5 billion users which is the biggest for mobile augmented reality and 9/10 brands plan to use AR in their business.

World Economics Forum 2015

Mr Ruzimi shared shared some knowledge where by 2025 many changes or technologies can be seen such as :

- More than 50% home appliances connected to Internet
- 90% population will have Internet access
- 10% people will be wearing cloths connected to Internet
- 10% vehicles on the roads will be driverless
- 10% of reading glasses will be Internet connected

Skill for Future Job - IR4.0

Our speaker gave exposure about
the skills required for upcoming jobs in order to be competitive in this industry.The skills mentioned are:

- Creativity
- Negotiation
- People management
- Critical Thinking
- Cognitive Flexibility

Common positions in AR

- AR/VR content developer
- AR/VR content strategist
- AR/VR user experience designer
- AR/VR project manager

These are the common positions to work in Augment Reality industry.