



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA







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SECP1513 - Sec 04  
TECHNOLOGY AND INFORMATION SYSTEM  
**ASSIGNMENT 2**

**LECTURER:** Hairudin Bin Abdul Majid

**DUE DATE:** 28/11/2021

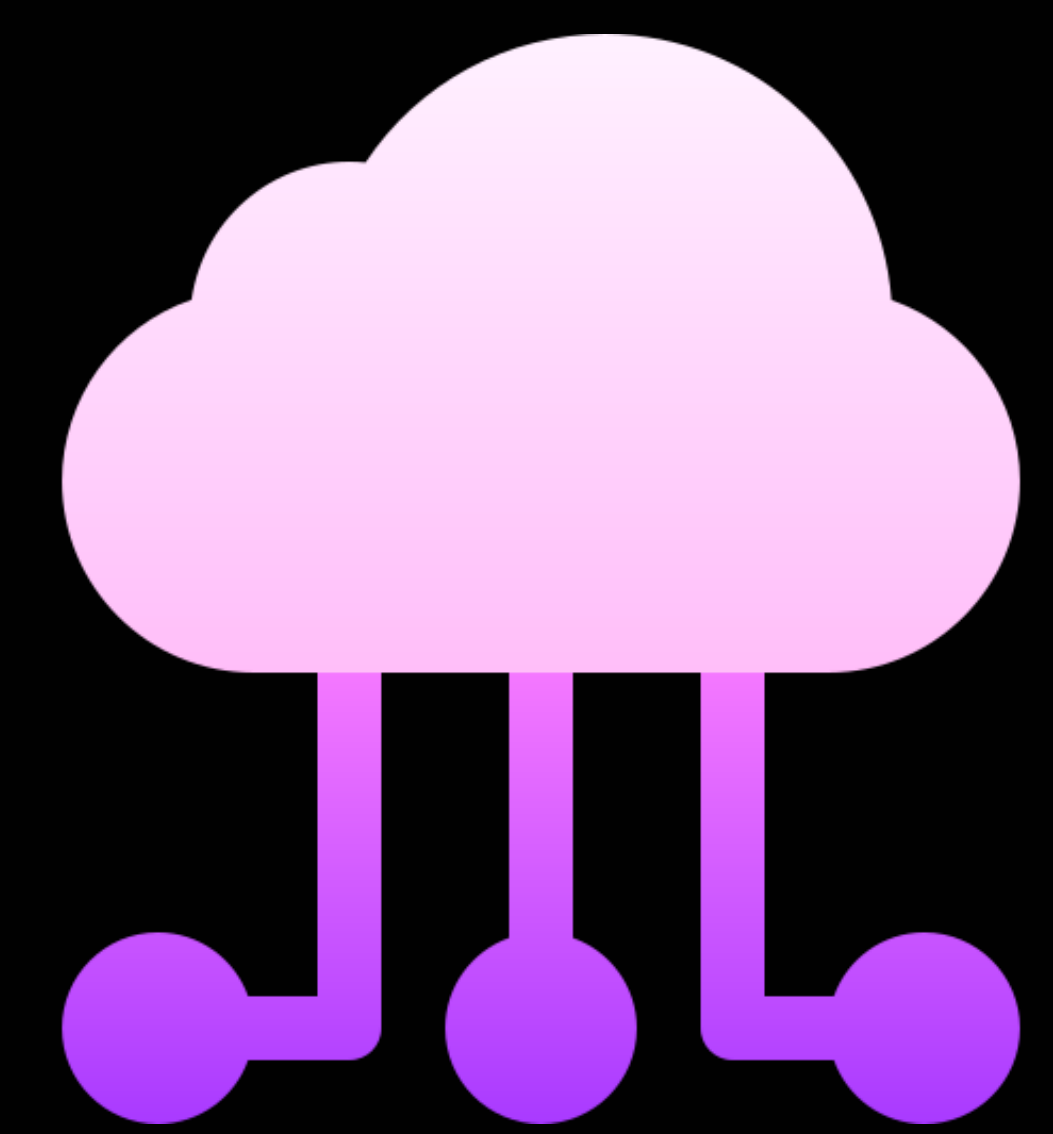
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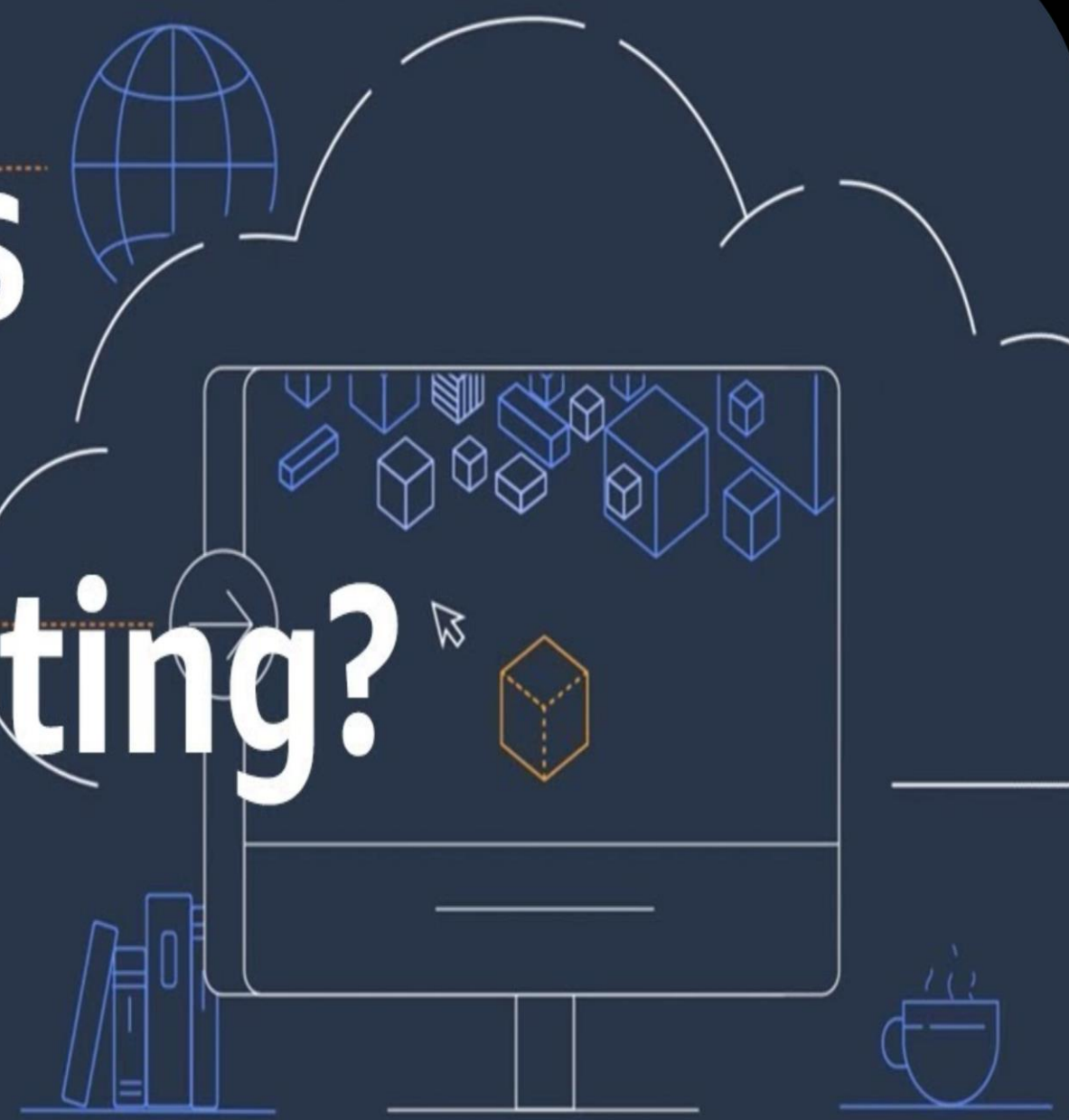
# CLOUD COMPUTING



## Resources

- AWS Cloud Foundation
- nibusinessinfo
- javatpoint
- Opencirrus
- aws.amazon.com
- Villanovau university

## What is Cloud Computing?



## What is it?

- is a Delivery or Use of Computing power, Storage, application and Databases over internet as Paying as You go
- Those Resources are running on Server Computers in Large Data Centers in different locations around the world which means When You are using Service Provider like AWS, Google Drive or OneDrive You are using Their Sever Computer to Store and Access Your Data

## Why Do We need it

As time passes by, more and more companies are migrating to the cloud. They are considering all the multifarious benefits that cloud computing offers to them and are thus intent on making the jump as soon as possible



WHY DO WE  
NEED CLOUD  
COMPUTING?

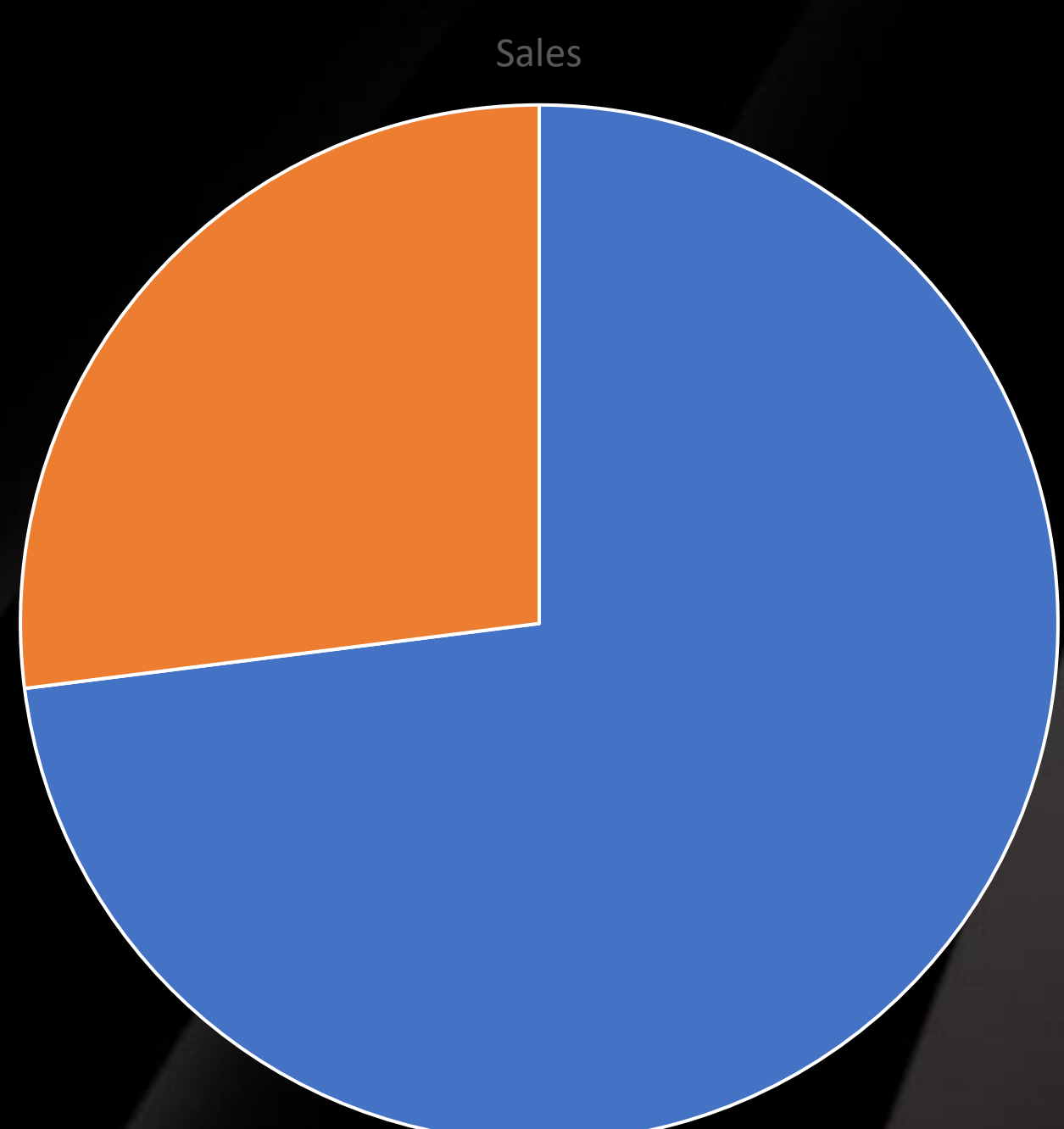
## The Advantages of Using

- 1) Back-up and restore data. ...
- 2) Improved collaboration. ...
- 3) Excellent accessibility. ...
- 4) Low maintenance cost. ...
- 5) Mobility. ...
- 6) iServices in the pay-per-use model
- 7) Unlimited storage capacity. ...
- 8) Data security.

## Disadvantages of Using it

- 1) data loss or theft.
- 2) data leakage.
- 3) account or service hijacking.
- 4) insecure interfaces and APIs.
- 5) denial of service attacks.
- 6) technology vulnerabilities, especially on shared environments

## How it effect Business



■ Productivity with Cloud Infrastructure  
■ Productivity with Hardware Infrastructure

Businesses **can scale efficiently using cloud**. As the business grows, they can expand their infrastructure and capabilities without forecasting server requirements to buy extra storage space. Cloud technology also enables businesses to scale down to promote efficient utilization of existing resources



# CLOUD COMPUTING AND AWS

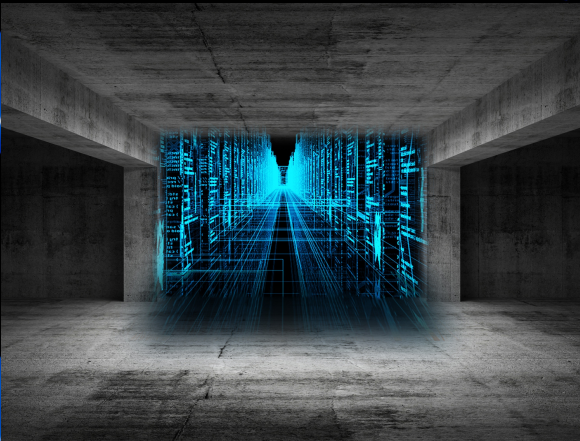
BY: VERON WOON (A21ECO236) AND CHONG YAEN LI (A21EC0171)

## What is....Amazon Web Services?

Amazon Web Services is a secure cloud platform that offer abroad set of on-demand global cloud based products

## And what does Cloud Computing mean?

- Cloud Computing is an on-demand delivery of computing power, database, storage, applications and other IT resources via the internet.
- Technically speaking, CC skips the method of purchasing and installing hardware previously needed for large-scale computing and directly start in software installation. All what you need is just personal computers, no supercomputers are needed!



## On functions and packages

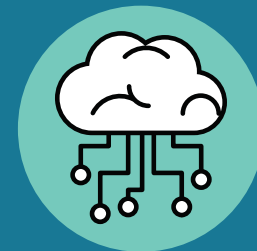
- Basic: Just a generic package that includes all the vital functions for cloud computing (Resource Center, Service Health Dashboard, FAQs, forums, health check support).
- Developer Plan: Same as basic, but with additional real-time support, used for early AWS development.
- Business Support: Same as DP, but can access urgent 24/7 support for customers running production workloads.
- Enterprise: Same as BS, but with some additional support for customers that run business and mission critical workloads (critical support is provided within 15 minutes of reporting).

There are many AWS Services that are provided for every computing needs. However, users can select the service they want and will only be paid on the chosen service.

- Compute
- Storage
- Database
- Security, Identity and Compliance
- Networking and Content Delivery
- Management and Governance
- Cost Management

## Why choose AWS?

- Cut costs on hardware installation for advanced computing needs.
- No need for understanding of logistics needed for system maintenance and updates.
- Has very flexible pricing.
- Eliminates undifferentiated heavy-lifting tasks.



## Reflection

The Information Age have gave birth into digital ways of working and it is a trend that we cannot stop as its benefits attracts many people to use it. Hence, it is better to be well prepared to embrace the inevitable change of technology in our lives.



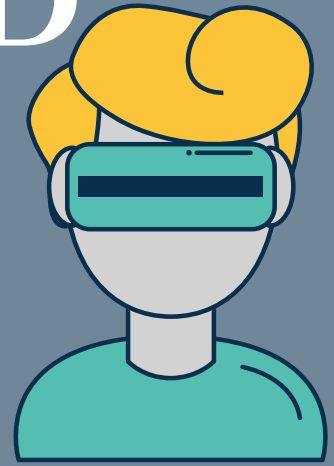
# AUGMENTED REALITY

INDUSTRIAL TALK 4 BY  
DR RUZIMI MOHAMED(OZEL SDN.BHD)

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## ISSUES DISCUSSED IN THIS TALK

World Economics Forum 2015 were the first discussion and prediction on how Augmented Reality(AR) will be dominating the world. Some things were predicted that by 2025, 10% of vehicles will be driveless, the first organ transplant will be made on 3D printer, more rides will be made on shared cars(Grab,UBER) and so much more.

AR were also predicted that they will bring a huge revenue for the industry by 2025. Video games will be one of the largest revenue which holds 11.6 billion dollars followed by healthcare, engineering, live events and more in future. Pokemon GO is one of the most popular AR video games which can be easily access anywhere by any smartphone. 3.5 billion AR user will be using Instagram and Snapchat to access the AR technologies such as face filters replacing their faces with so much options of icon.

For future jobs of Fourth Industrial Revolution in AR, there are 10 main skills that you are required to have and familiar with in getting these future jobs. The skills such as knowing how to cope with complex problem solving, high critical thinking skills and endless creativity will be in demand in any AR company in the future. When you are chosen to work with AR company, you need to know the most suitable position for you to be fit in.

Some of the common positions in AR work are content developer, user experience designer and animator specializing in AR.

However, there are some of the skills required by humans that machine still cannot be compatible with and beat us. Machine is not creative compared to us in terms of writing and entrepreneurship as it were discovered from the scientific discovery. Humans are also better in social interaction since machine does not have the emotional intelligence as we do. Machine has a weakness where their physical dexterity and mobility is not so tough as humans.

## SUMMARY OF THE TALK

**This talk has taught us a lot about Fourth Industrial Evolution especially in Augmented Reality. Augmented Reality is one of the biggest trend in IR 4.0. It also plays a big role in the tech revolution in upcoming future. This talk explains about the future of AR in 10 cases which is in education, appliances, fashion and many more. Plus, we get to know 3 types of AR which is marker based, projection based and superimposition based. Other than that, this talk also explains about types of AR and 5 things to consider when choosing your career.**

## REFLECTION OF THE TALK

Augmented Reality has become one of the biggest trend in Fourth Industrial Evolution in modern countries. I gained many useful information through this talk. Augmented Reality has helped us in various ways of our life. Healthcare is one of the best example on how big the Augmented Reality is in our life. For instance, doctors can study the location of the organ that needs to be operated in advance so that they can plan the operation thoroughly and avoid any steps that can lead to failure in operations.

