

AMAZON WEB SERVICES

CLOUD COMPUTING

The Speaker

Dr. Qusay Al-Maatouk

Lecturer of Asia Pacific University

Date & Time ;

15th November 2021

3.00 – 4.30 p.m.

Summary of the talk.

This newsletter summarizes on one of the abundance technologies from the listed 4th Industry Revolution, which is Cloud Computing, that was briefed from Dr. Quasy Al-Maatouk.

In the industrial talk, Dr. Quasy go in depth among many Cloud Computing Services Provider which is called **Amazon Web Services (AWS)**. The talk consists of the advantages of Cloud Computing Model compared to Traditional Computing Model. This gave us more information on how Cloud Computing Model can benefit us in the long run.

In addition to that, the talk also includes a basic description on what exactly AWS is. As a result, from this 3rd Industrial Talk, we gain more than enough information and details about Cloud Computing Services Provider and AWS.

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Speaker
Dr. Qusay Al-Maatouk
Lecturer

Moderator
Dr. Layla Rasheed Abdallah Hasan
TIS Lecturer

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What is Cloud Computing ?

Cloud Computing is another computing utility aside from water and electricity that includes computing resources, database, RAM, and storage. Cloud Computing can be paid accordingly based on use and enables you to stop thinking of your infrastructure as hardware and instead think of it as software.

Differences between Cloud and Traditional Computing Model.

Cloud Computing	Traditional Computing
Flexible	Not flexible
Can change more quickly and cost-effectively.	Have a long hardware procurement cycle.
Eliminate the undifferentiated heavy-lifting tasks	Provision capacity by theoretical maximum peaks is required.

Advantages of Cloud Computing

- **Trade capital expense;** mainly for variable expense so we can save money and pay the necessary amount.
- **Massive economics of scale;** AWS can automatically add servers, RAM and CPU if needed by the consumers or reduce to one server to save up money.
- **Stop guessing capacity;** This is due to any hardware related mistakes will take months to repair.
- **Increase speed and agility;** Fast resources available.
- **No more spending money;** No need to worry about staff, maintenance and electricity instead use the money for business correlated.

What is AWS ?

AWS is a secure cloud platform that offers a broad set of global cloud-based products. Categories includes; analytics, application integration, database, storage, mobile, compute and so much more.

AWS Services

- Computer services
- Storage services
- Database services
- Management & Governance services
- AWS Cost Management services
- Networking & Content Delivery services
- Security , Identity & Compliance services

AWS also provides a pricing calculator to estimate monthly costs. Furthermore, it will identify the opportunities to reduce monthly costs and will model your solutions before building them. You can also explore the price points and calculations behind your estimate. They will give you opportunity to find the available instance types and contract terms that meet your needs along with naming your estimate and create as well as naming groups of services.

AWS Support Plans

- Basic support
- Developer support
- Business support
- Enterprise support

Reflections

After the talk we are now able to perceive on what actually is Cloud Computing and its advantages as well as its benefits. From a student perspective, we can gain a great number of perks from Cloud Computing such as strong virtual classroom environments.

With this new era of technology and with cloud-based software it is now possible for students to have virtual classrooms with ease and teachers can also create and deliver online courses to students anywhere, not to mention students can take virtual examinations wherever, thus saving their time and expense effectively.

We are more than grateful to be a part of the 3rd Industrial Talk given by Dr. Qusay Al-Maatouk on AWS Cloud Computing and we wish that it will become valuable to us in the near future.

References & Credits

- <https://cloudacademy.com/blog/surprising-ways-cloud-computing-is-changing-education/>



NurImmal Hayati
A21EC0111



Lu QiYan
A21EC0049



Muhammad Izat
A21EC0082



Aisyah Nadzri
A21EC0011



Thuvaaritha
A21EC0137



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