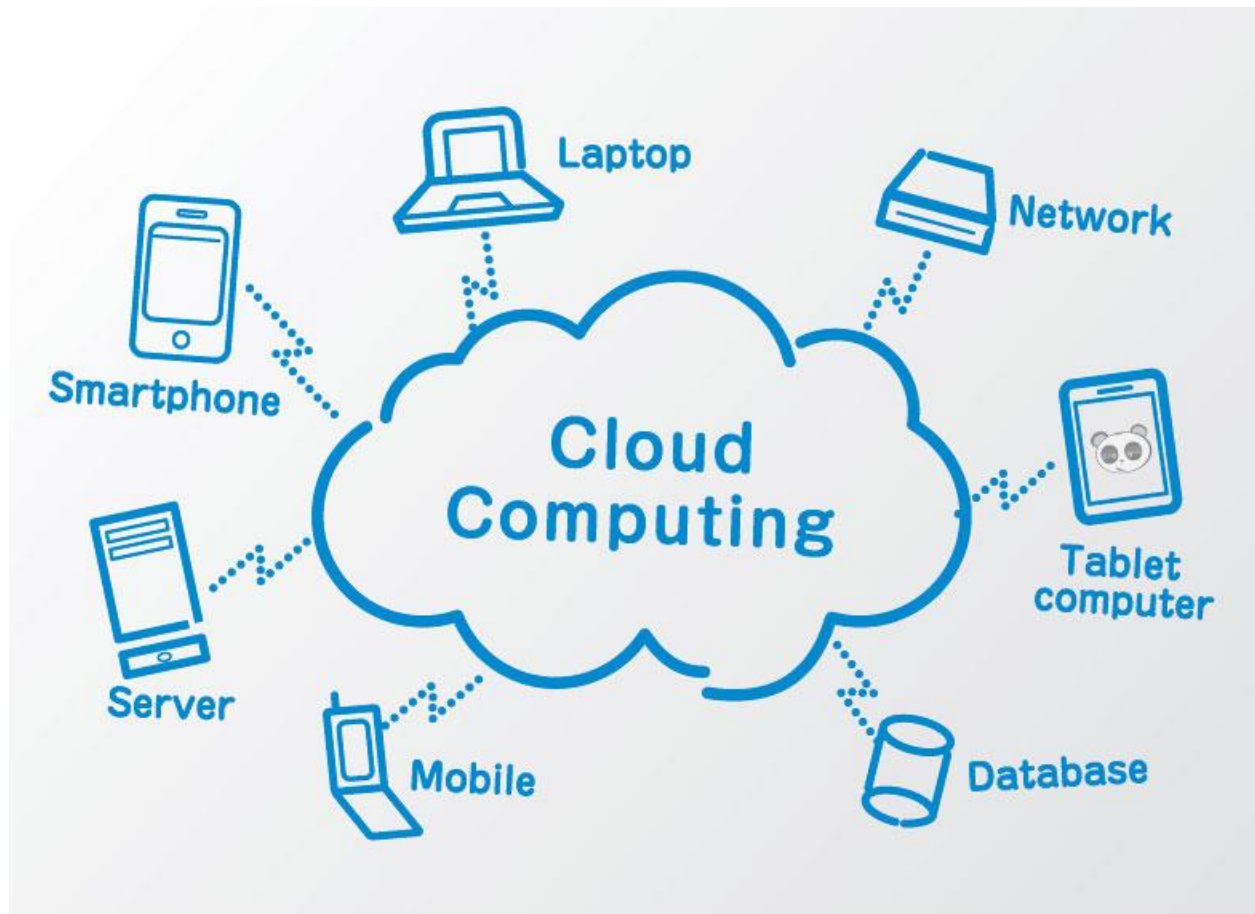# CLOUD COMPUTING

Cloud Computing is a virtual computing model that build on Internet network system. This includes:

- IAAS: Infrastructure as a Service
- PAAS: Platform as a Service
- SAAS: Software as a Service

1. **IAAS**

   IAAS is one of the Cloud services that allow the user to use the IT infrastructure which is necessary for building an operating system. IAAS has more flexibility in that users are allowed to modify the specifications to create a customized system. Also, programmers

and developers are required to obtain high skill levels in the IT field to control the IAAS in terms of security.
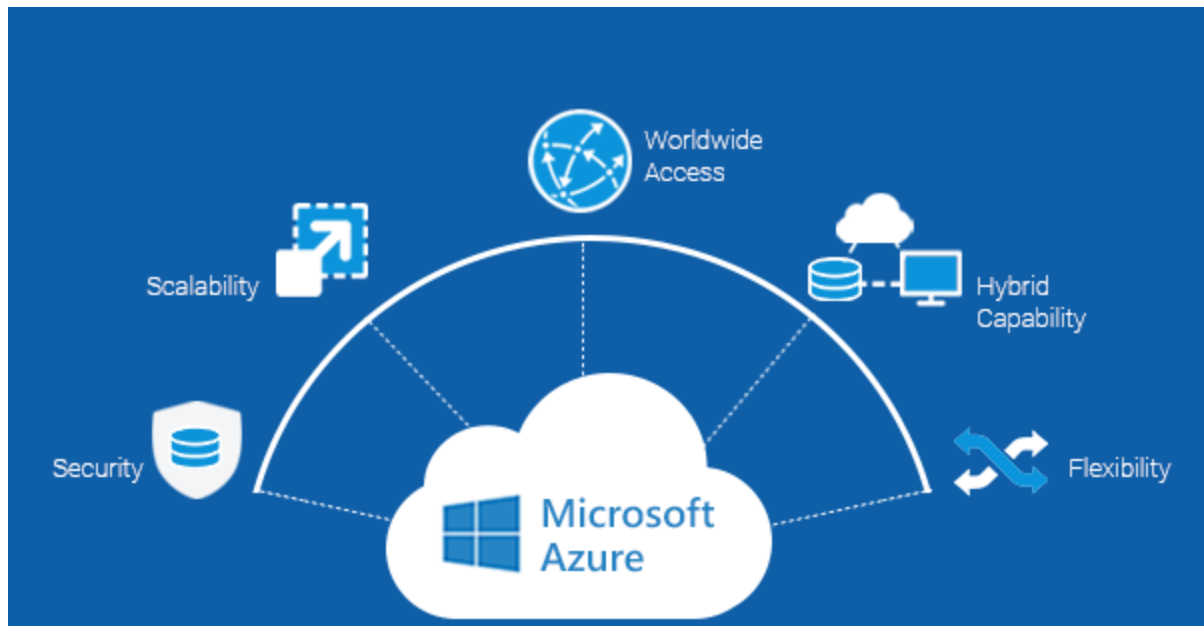
The most popular IAAS for me is **Google Compute Engine (GCE)**

Google Compute Engine

2. PAAS

PAAS (platform as a service) is another kind of Cloud Computing that developers will provide us with OS system and Runtime such as Windows Azure, Heroku, Force.com....As a user, when using this kind of Cloud Computing Services, we just have to manage our applications and data, the other such as storages, network or middleware is fully controlled by the service developers. As for PAAS, we can create customized applications by building upon the developer's frameworks. Using PAAS now offer lots of advantages from its simplicity, automation, and popularity. Developers are now, can customize and maintenance their apps without a headache like before and it also provides the whole services to assist the development application.

Microsoft Azure

3. SAAS

The Cloud Application services utilize the Internet to deliver applications that are managed by third-party organizations. A SAAS application can run directly to our web browsers and do not require any downloads in term of clients. Before we have to use the application by downloading the clients traditionally, now with SAAS, things are much simpler and users do not have to waste their storage space to store huge applications. Examples like Microsoft Flight Simulator, Google Drive, OneDrive and most web games build on Adobe Flash are one of the most common applications that we can relate to. We can access any SAAS application without any requirements of operating systems and our electronic specs limitation. Another thing that can be mentioned is the ability to be updated in a blink: since the applications are stored on Cloud System, the developer can update their apps without disturbing any user's experience. In this way, the SAAS model is fast and convenient for everyone. We can also mention this as a disadvantage for traditional applications because without further updates, their security can be outdated and users' data can be hacked easily.

What will happen in the next 3 years:

I can assume that most internal storage on our computers specifically or electronic devices generally will be linked with cloud storage to extend users' experience and further data saving. Companies and organizations will replace Cloud Storages and Cloud Computing Services for better data saving and cheaper prices with multiple access. People shortly can use technology services much easier than ever before with SAAS in PAAS development. Internet speed bandwidth extension is necessary to support and

operate the Cloud Services so it is no doubt that Internet Accessibility prices can be reduced over time.

What is the likely impact?

Potentially to say, Cloud Computing Services such as iCloud, Google Drive, and other SAAS will dominate the technology era and widen their popularity with normal users. It will be linked with any tech devices soon. Internal/Physical Disk will soon be outdated although it still plays a big role in speeding and processing the computer.

Offices in my prediction will be cleaner and tidier since paper files will be imported and exported virtually and looking up for demanding files won't be bothering trouble. The youth or by what I meant is our generation will be affected most by the Cloud Services trend since we are the generation who can interact the closest to technology devices and fulfilling the hope to develop its function. Apart from that, elderly people can be attracted by the freshness of technology innovation since, in the past, technology is not something that normal people can afford to buy and use properly than now.

When cloud services become popular in the future, sales of physical and internal storage will be decreased because of people's trends and needs. Tech- sales may offer cloud services more frequently to be suitable in the new technology era. There will always have a downside for this: as technology development at a fast pace, hackers may also develop their skills to hijack and steal the information in the cloud service.

How will this affect me and my daily life?

I might use Google Drive and other Cloud Data storing systems more frequently and link them with my laptop and my smartphone to extend the storage and access files easier although the Internet demand may increase.

I can save more time and more money to do other tasks when using Cloud Computing Services. Unlike before, I used to spend too much time transmitting files from one disk to another disk and errors should come frequently when there are some files incompatible with the disk.

Now with the development of Cloud Services, my parents can store their memorable photo albums and music without any troubles from phone updates that may accidentally delete their data. They have been complaining about this function for years!
For my younger brother, it is now easier for him to send online assignments and homework to his teacher by typing on Google Docs. In the past, we had to screenshot our homework on paper and send it via message and it took too much time to process the photo because of the JPG capacity.