

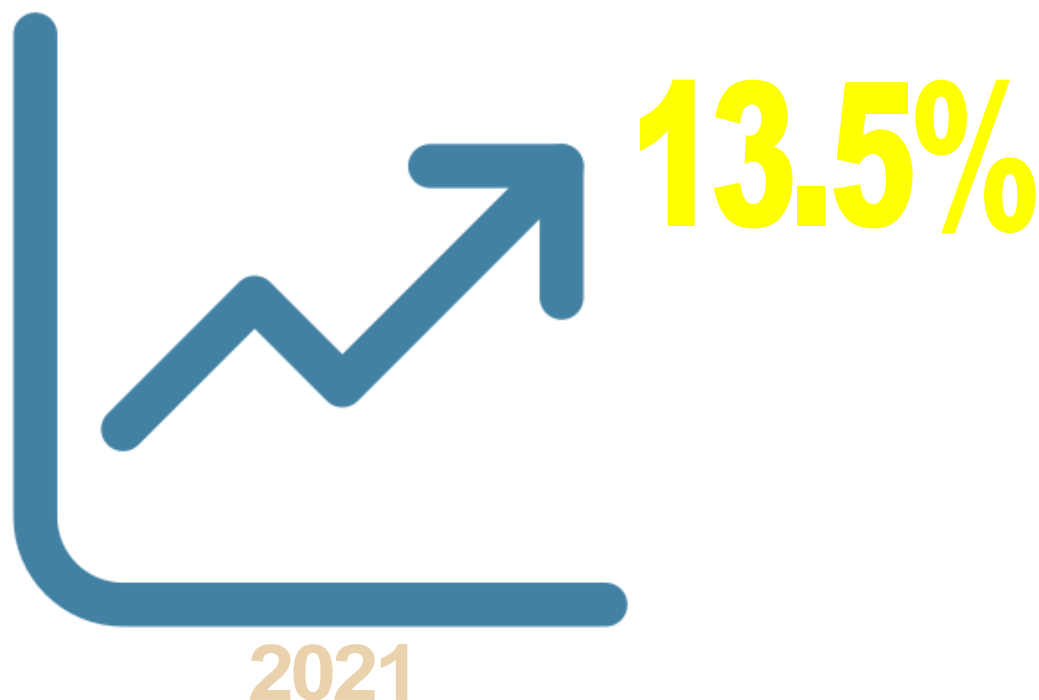
10 Types of Cloud Computing



What is Cloud Computing?

In order to provide faster innovation, adaptable resources, and scale economies, cloud computing is the on-demand transmission of computing services via the Internet or known as the “cloud”. With this, accessibility of technological services, such as computing power, storage, databases, networking, and software on an as-needed basis from a cloud provider can be made, rather than purchasing, operating, and maintaining physical data centers and servers. Furthermore, it has a pay-as-you-go pricing which will help lower operating costs and scale as the business changes.

Since the pandemic started in March 2020, spending on cloud infrastructure has increased as businesses have expedited their digital transformations. In fact, spending on cloud infrastructure was up 13.5% in the quarter year on year to \$21.1 billion in the fourth quarter of 2021.



10 Types of Cloud Computing

1 Infrastructure as a Service (IaaS)

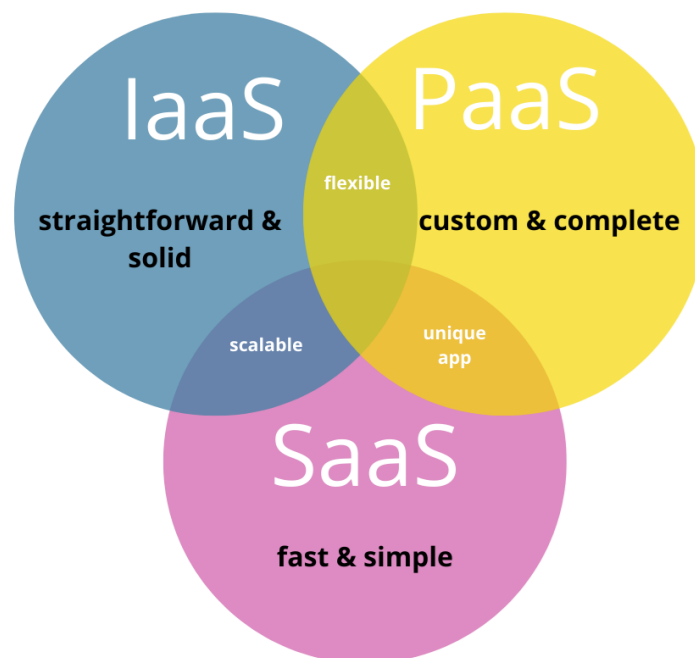
Data center resources such as compute, storage and networking resources are available on demand through this type of cloud computing where users install or create all the software. In essence, it is like owning a data center but just renting one.

Platform as a Service (PaaS)

Tools and resources for the development and deployment of a cloud service or application are provided in this type of cloud computing. With this, there will be no operating systems that will be maintained.

3 Software as a Service (SaaS)

A type of cloud computing where cloud providers create applications and make it available all over the internet for end users.



10 Types of Cloud Computing (cont'd)



Remote Computer Rental

Exclusive or shared access is paid by people who need to temporarily use certain types of hardware for some time.

4

5

Virtual Machine in the Cloud

A cheaper option than remote computer rental where the user pays for a running virtual machine together with many other virtual machines on one computer. With this type, there is no performance guarantee all the time.



Native Cloud Applications

These are programs designed and run on cloud computing infrastructure. *Google Mail* is an example of a native cloud application.

6

10 Types of Cloud Computing (cont'd)

7 Cloud Storage

This is similar to saving files in an external drive but using a cloud service such as *Google Drive* and *MS OneDrive*. These offer additional accessibility services such as editing and file sharing.



Social Media

This is also a type of cloud computing service wherein most of the data and computing used in these platforms live in the cloud.

8

Entertainment Streaming Services

Most of these applications run on the device but most of the work involved are made on data centers. Moreover, these services not only deliver content to your device when you want it, but they also dynamically change the quality based on the speed of your internet connection.



10 Types of Cloud Computing (cont'd)



Decentralized Cloud Services

It is also a type of cloud storage where data is stored on multiple computers and are hosted by people participating in the decentralized cloud. Moreover, benefits of cloud productivity are also present but without a central data center and privacy concerns.

10

