**What is**[**cloud computing**](https://en.wikipedia.org/wiki/Cloud_computing)

In the simplest terms, cloud computing means storing and accessing data and programs over the internet instead of your computer’s hard drive

## What are the benefits of cloud computing

* Powerful server capabilities.
* Data backup and storage of data
* Incremented productivity.
* Very cost effective and time saving.

### What are some issues with Cloud Computing

## **Security Issues**

## **Performance and Quality of Service (QoS) Related Issues**

## **Data Management Issues**

### What are the different service layers in cloud computing

* **Infrastructure as a service (IaaS):**It provides cloud infrastructure in terms of hardware as like memory, processor, speed etc.
* **Platform as a service (PaaS):**It provides cloud application platform for the developer.
* **Software as a service (SaaS):**:It provides the cloud applications to users directly without installing anything on the system. These applications remains on cloud.

**What do you mean by software as a service**

Software As a Service (SaaS) is an important layer of cloud computing. It provides cloud applications like Google is doing. It facilitate users to save their document on the cloud and create as well.

**What is the platform as a service**

It is also a layer in cloud architecture. This model is built on the infrastructure model and provide resources like computers, storage and network. It is responsible to provide complete virtualization of the infrastructure layer, make it look like a single server and invisible for outside world.

**Explain different models for deployment in cloud computing?**

* Private Cloud
* Public Cloud
* Community Cloud
* Hybrid Cloud

**What is private cloud?**

Private clouds are used to keep the strategic operations and other reasons secure. It is a complete platform which is fully functional and can be owned, operated and restricted to only an organization or an industry. Now a day, most of the organizations have moved to private clouds due to security concerns. Virtual private cloud is being used that operate by a hosting company.

**What is public cloud?**

The public clouds are open to the people for use and deployment. For example: Google and Amazon etc. The public clouds focus on a few layers like cloud application, infrastructure providing and providing platform markets.

**What are Hybrid clouds?**

Hybrid clouds are the combination of public clouds and private clouds. It is preferred over both the clouds because it applies most robust approach to implement cloud architecture. It includes the functionalities and features of both the worlds. It allows organizations to create their own cloud and allow them to give the control over to someone else as well.

What are the advantages of cloud services

**Cost saving**

**Scalable**

**Time saving:**

What is the difference between cloud and traditional datacenters?

The cost of the traditional datacenter is higher than cloud because in traditional databases, there is overheating problems and some software and hardware issue.

which services are provided by Window azure operating system?

There are three core services provided by Window azure operating system:

* Compute
* Storage
* Management