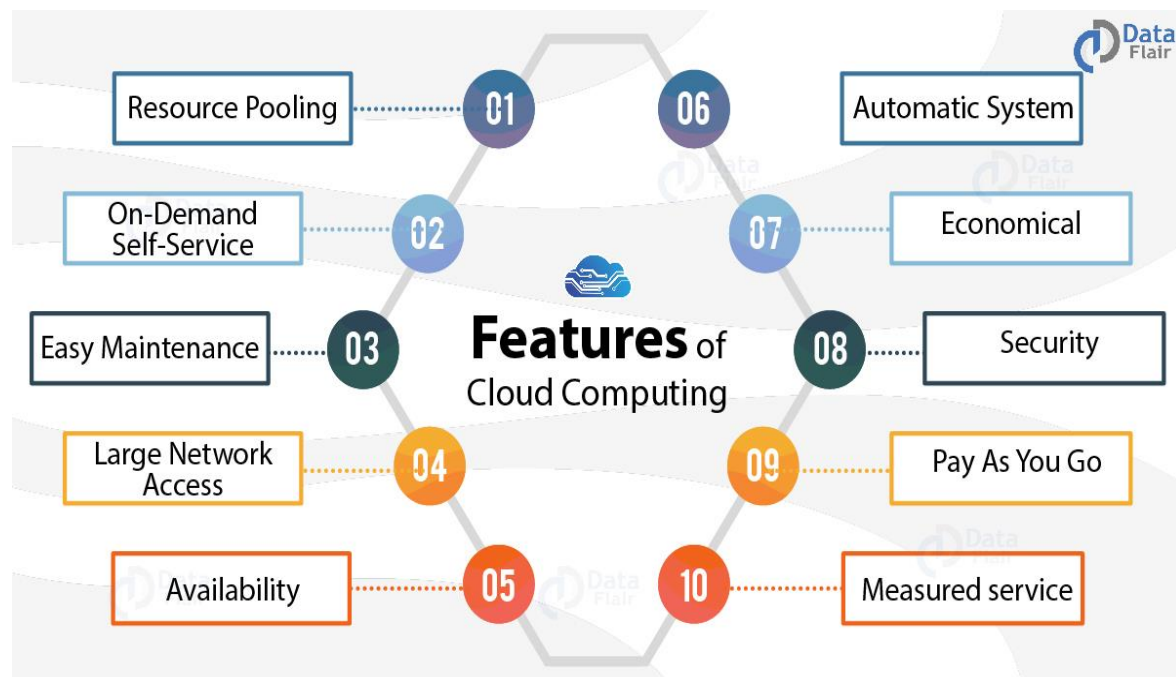


## Features of Cloud Computing – 10 Major Characteristics of Cloud Computing

**Cloud Computing** is getting more and more popularity day by day. The reason behind is the gradual growth of the companies which are in need of the place to store their data. Therefore, companies are in competition to provide large space to store data along with the various features and quality service. It has been found that Cloud Computing is a model for enabling ubiquitous, convenient, on-demand network access the computing resources. There are many services and features of cloud computing.

The characteristics of cloud computing state its importance in the market. So, let's start exploring Features of Cloud Computing.



Following are the characteristics of Cloud Computing:

### 1. Resources Pooling

It means that the **Cloud provider** pulled the computing resources to provide services to multiple customers with the help of a multi-tenant model. There are different physical and virtual resources assigned and reassigned which depends on the demand of the customer. The customer generally has no control or information over the location of the provided resources but is able to specify location at a higher level of abstraction

### 2. On- Demand Self-Service

It is one of the important and valuable features of Cloud Computing as the user can continuously monitor the server uptime, capabilities, and allotted network storage. With this feature, the user can also monitor the computing capabilities.

### 3. Easy Maintenance

The servers are easily maintained and the downtime is very low and even in some cases, there is no downtime. Cloud Computing comes up with an update every time by gradually making it better. The updates are more compatible with the devices and perform faster than older ones along with the bugs which are fixed.

### 4. Large Network Access

The user can access the data of the cloud or upload the data to the cloud from anywhere just with the help of a device and an internet connection. These capabilities are available all over the network and accessed with the help of internet.

### 5. Availability

The capabilities of the Cloud can be modified as per the use and can be extended a lot. It analyzes the storage usage and allows the user to buy extra Cloud storage if needed for a very small amount.

## 6. Automatic System

Cloud computing automatically analyzes the data needed and supports a metering capability at some level of services. We can monitor, control, and report the usage. It will provide transparency for the host as well as the customer.

## 7. Economical

It is the one-time investment as the company (host) has to buy the storage and a small part of it can be provided to the many companies which save the host from monthly or yearly costs. Only the amount which is spent is on the basic maintenance and a few more expenses which are very less.

## 8. Security

**Cloud Security**, is one of the best features of cloud computing. It creates a snapshot of the data stored so that the data may not get lost even if one of the servers gets damaged. The data is stored within the storage devices, which cannot be hacked and utilized by any other person. The storage service is quick and reliable.

## 9. Measured Service

Cloud computing resources used to monitor and the company uses it for recording. This resource utilization is analyzed by supporting charge-per-use capabilities. This means that the resource usages which can be either virtual server instances that are running in the cloud are getting monitored measured and reported by the service provider. The model pay as you go is variable based on actual consumption of the manufacturing organization.

## 10. Pay as you go

In cloud computing, the user has to pay only for the service or the space they have utilized. There is no hidden or extra charge which is to be paid. The service is economical and most of the time some space is allotted for free.

# Summary

IT is the company who maintains the servers, maintains the crashing of the server and takes care of it. The company also buys the software and the licenses for the operation of their business. All these things maintain by the monthly fee which they are expecting from the firms they are serving. They are so much focused on providing quality service as if they fail to do so they will be behind in the competition. This web-based platform can only access through the internet.

Cloud Computing has numerous amounts of benefits which are helping both hosts as well as the customer. A host consists of various benefits too which benefit the customers. There are myriads of security feature which is a positive point along with it the access time is very low and one can easily upload and download data quickly. The company nowadays is in great need of the data storage facility and the Big Data companies provide them very easily.