



# 12 Benefits of Cloud Computing

## Introduction

Most organizations today use cloud computing and there are good reasons why your organization should do too. Cloud computing is expected to be even more pervasive in the future. Also, technology is improving day by day. It has transformed the way businesses operate. Cloud computing is defined as the delivery of computing services over the Internet. Resources offered include artificial intelligence, data analytics, servers, software, storage, and more. It is leveraged for its inherent flexibility, superior capability to innovate, minimize operating expenses as well as operate existing infrastructure with greater efficiency.

## Types of Cloud

- **Public Cloud**

In this cloud model, everything is stored and accessed via the Internet. Different individuals and organizations can use it simultaneously. Microsoft Azure is a prominent example of a Public Cloud.

- **Private Cloud**

This is a cloud that is dedicated to a single organization. Only the staff of that particular organization with the proper login credentials can access and use the cloud.

- **Hybrid Cloud**

Here the organization using the cloud keeps certain data on an on-premises private cloud and some on the public cloud. The objective is to leverage the advantages of both private and public clouds.

## Types of Cloud Computing

- [IaaS \(Infrastructure as a Service\)](#)

Here you rent IT infrastructures such as servers, networks, and others. Users save big on power costs and office real estate to house servers or networking resources.

- **PaaS (Platform as a Service)**

Here organizations are given a pre-built platform to deploy their respective codes and applications. Users don't have to worry about the underlying hardware and operating system.

- **SaaS (Software as a Service)**

Here you can use software hosted by the cloud provider over the Internet. E-mail is a classic example of SaaS.

We take a look at some of the benefits of adopting cloud computing.

- **Makes Your Business More Competitive**

Adopting cloud computing has inherent advantages. The products and/or services your organizations become better. So customers prefer organizations that use cloud computing to those that don't. Leveraging cloud technology makes your enterprise world-class as well as has a global reach beyond your geographical boundaries.

- **Assign Control to Data**

It is important for any organization to have control over important data. [Cloud](#) entities have both full visibility and control over crucial data. Cloud makes it easy for you to determine which individual has which level of access to documents. Some can only view it. Some can edit documents. While some can delete documents if need be. As a result, collaboration within organizations is enhanced and made simpler. Cloud technology eliminates the requirement to have multiple copies of the same document. Instead, the original copy can be used by different individuals.

- **Prevent Loss of Data**

Generally, organizations store their data on the hardware on their premises. Natural disasters such as floods or earthquakes can destroy hardware leading to permanent loss of important data. Fires or thefts can also result in data loss. Cyber threats such as malware, hacking, and viruses are common and prevalent causes of data loss. Competitors can also hack into your hardware and data will be compromised. Unauthorized personnel may steal data or delete it. Another reason for data loss is power outages. Thanks to [cloud](#) computing, data is backed up

in multiple secure locations. Even if your hardware malfunctions, data can be retrieved from the cloud for which the only requirement is an internet connection.

- **Mobile Access**

Today is the era of mobile devices. If you are on holiday or sick you can still work thanks to cloud computing. You can get access to your work resources with the help of your mobile device. Cloud computing enables anytime anywhere access to customers and colleagues. The technology can be leveraged by all kinds of mobile devices. This makes it state-of-the-art and future-proof.

- **Makes Remote Work Easier**

Today cloud computing provides video conferencing and collaboration solutions to which staff can connect virtually using respective laptops, tablets, or mobiles. Company personnel can work together irrespective of where they are located or which computing device they use. The technology facilitates the simple transfer of files and documents, conducting team meetings as well as scheduling. In case of an emergency where all employees cannot reach the office premises to have a physical meeting cloud makes virtual meetings possible. Cloud computing made remote work possible during the Covid-19 pandemic.

- **Reduces Carbon Footprint**

On-premises hardware requires real estate space and power. [Cloud](#) computing is, without a doubt, an environment-friendly technology. By adopting it your organization contributes to a clean environment. The generation of electricity/power involves releasing pollutants into the environment. By using a cloud provider power consumption is reduced.

- **Save Money**

You do not have to buy expensive hardware. Your organization will be provided hardware resources by the cloud computing provider. Renting hardware and software resources is far cheaper than buying them. As such you save quite a lot of money. You do not need a specialized technical team to manage your hardware. So you do not have to pay their salaries if you opt for cloud computing. If you need new hardware or different software you do not have to purchase them. That will be provided on request. So, you save a lot in terms of time, money, and effort.

If the cloud hardware and software become obsolete or require updates that will be taken care of by the cloud provider. In effect, you have outsourced the management of your hardware and software resources. Upgrades and updates will be done in time. If you want to opt out of using certain hardware and/or software it is possible to do it in real-time and seamlessly. You pay only for what you use. The disadvantage of buying on-premise hardware

is what to do if you don't need it anymore or the technology has become obsolete. You will either have to sell it at a loss or maybe not be able to sell it off at all. If you don't update software in time your business may suffer downtime or interruptions. Cloud computing doesn't have these major disadvantages.

Thanks to cloud computing even organizations that lack the financial resources to buy necessary hardware and software can function. In short, cloud computing is affordable even for start-ups.

- **Save Time and Ensure Business Continuity**

Earlier new companies had to identify hardware and software requirements. They had to place orders for the machines. Then wait for the resources to be delivered to their premises. Finally, the equipment had to be installed, configured, and deployed. The whole process consumed a lot of time. Cloud computing providers help you identify the precise requirements of your company and have its operations up and running in minimum time.

Leveraging the cloud ensures business continuity. If your staff is sick, there is human error or natural disaster then your business is interrupted. This may result in clients being dissatisfied and business losses. Cloud computing ensures the smooth running of business operations without interruptions. The results are a better company reputation, enhanced company branding, loyal customers as well as increased revenue and profits.

- **Facility of Scalability**

Different organizations have different sizes and requirements. Cloud computing providers cater to all quantities of demands. As a result, you can change your requirements conveniently. Your business may grow or decrease in size. Or your enterprise may have fluctuating requirements depending on the time of year or market conditions. Scalability is a much-needed facility.

- **Easy Implementation**

You don't have to be a technical person to use cloud computing. It is easy to use and starts working immediately. Earlier on-premises hardware required a degree of technical expertise and experience. If a technical expert left the organization or made mistakes the operations of the organization get adversely affected. Now in case of technical details, you can safely leave it in the hands of the cloud provider.

- **Better Work-Life Balance**

Now your employees don't have to stay back in the office till their work gets completed. They can work from home if need be thanks to cloud computing. As a result, they get to spend more time with their families. Even on holidays, they can keep tabs on their work.

- **Superior Performance**

Cloud computing providers use state-of-the-art hardware and software. Their implementation and deployment processes have become mature as well as sophisticated over time. They also employ the best talent and experience. As they are professionals with [cloud](#) computing as their core competence, they do their job much better than anyone else. The result is that your organization provides superior, quicker, and relatively more satisfactory service to its existing and prospective customers.

## **About Us**

[Focaloid](#) is a stellar software development products and services company catering to clients in the [US](#) & UK. We have the necessary expertise and experience in cloud computing. For your information, Focaloid has a team of talented and seasoned professionals in various domains and technologies. Over time we have established a mature outsourcing model which is productive, efficient as well as effective. You can safely rely on us to deliver outstanding software solutions and services within stipulated deadlines. Contact us at the earliest to know how we can help you. We are committed to superior client satisfaction and mutual growth.