

# The Future of Cloud Computing with AI

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## *Abstract*

Cloud computing is a new dimension where all the systems are connected with each other, having public or private interfaces. Cloud computing is used all over the globe for both private and public sharing purposes. Cloud computing is quite different from traditional services like networking, distributed computing, and utility figuring. Cloud computing basically consists of three models: software services, hardware services, and platform and infrastructure services. Generally, there are three types of cloud computing based on the audience: public, private, and hybrid. In every organization it is significant to define the cloud path, it is the role of cloud integrators to manage such things<sup>1</sup>. Cloud computing has made it cheap to store data on the cloud, and physical data storage devices are vanishing day by day. The only technological challenge is to shift the physical data onto the cloud so that it is accessible anywhere, anytime. Carrying physical data storage devices is of no use in this advanced era of technology. This has lowered the cost of storage devices; cloud computing is cheap and accessible to everyone. On the other hand, there are also some challenges to cloud computing. Data protection and data privacy are some of the biggest challenges it is facing right now. However, there are more advantages to cloud computing than disadvantages. Moreover, the use of cloud computing with artificial intelligence is a more effective and efficient approach to deal with the advancements of artificial intelligence in the future.

A vast development has yet to be performed in the field of artificial intelligence. Currently, the world is just at the beginning of the modern world of artificial intelligence. Much needs to be done in the field of artificial intelligence to achieve the goals. In the past, scientists and engineers have developed hardware at extreme levels with the help of many technologies and algorithms. Now, the need is to shift that hardware to artificial intelligence; the challenge is to integrate the hardware and the software in such a way as to increase the output of the machine and make it more intelligent than it was ever before. The goal is to make the machinery so much intelligent that it is capable of making its own decisions<sup>3</sup>.

## *Introduction*

Cloud computing and artificial intelligence are the two trending technologies that are currently being made more advanced day by day. Scientists and computer engineers have started working on artificial intelligence since the 1950s, and for the first time, the size of hardware started decreasing, and the computational strength is increasing. It is only because of the implementation of artificial intelligence. Nowadays, it is also being focused on shifting artificial intelligence to cloud computing.

All the mobile operating companies have started working on it; they're making devices that are capable of making their own decisions. It is predicted that in the near future, the use of such devices will be preferred over human effort.

## *Discussion*

Small and Medium Enterprises of large enterprises are mostly selected to deploy the claims to the public, private, and Hybrid clouds. Cloud integrators may play a crucial part in determining the right cloud path for every type of organization. Public clouds are the ones that are functioned by third parties. The information technology department needs to sustain the capital and operational expenses for the physical resources. This type of private cloud service is best for claims that may need complete configurability and control of the infrastructure and safety. The scientists have explained that the process of making the world completely dependent on artificial intelligence is a long and time-consuming process. It would take almost more than a hundred years to enjoy a workless and stress-free life without any financial or social problems.

## *Conclusions*

The past is the light for the scientists to learn and proceed, and the present is the time for students and future scientists to understand the flow of the processes and to find the ways through which things could be easily implemented<sup>2</sup>. The future would be plenty of time for the new generation to perform their research and development techniques defined, completed, and provided by us. Cloud computing has numerous benefits as enterprises need to align their applications to exploit the architecture models that are accessible by the cloud. The most common benefit of cloud computing is its reduced cost, while the most common challenge of cloud computing is data protection. Furthermore, in the future, there will be a great upgrade in the field of technology and artificial intelligence. The world's most renowned teams associated with artificial intelligence are working hard to find solutions to a number of unknown mysteries. In the future, scientists have claimed that they will be able to predict climatic changes and react to any disastrous situation for the people.

## *End Notes*

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