

1. Cloud

What is cloud?

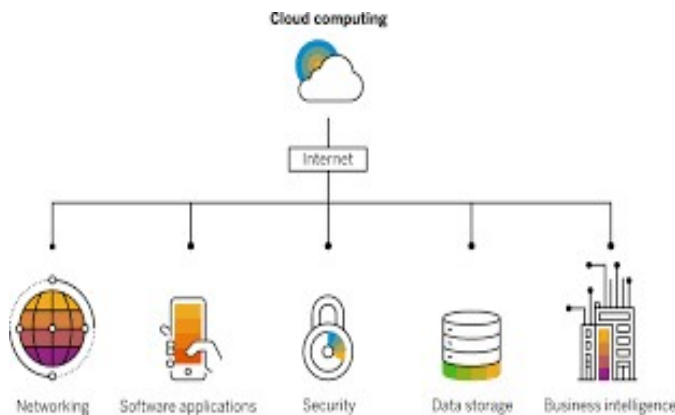
It is a term that is used to describe a global network service that includes servers, storage, databases, networking, software, analytics, flexible resources, and economies of scale. Through cloud applicants can use it for storing files and accessing and retrieving them from any web-enabled interface.



History of cloud

Before the emergence of the cloud, client/server computing had centralized storage in which all the data and the control reside on the server-side. If a user wants to access specific data, then he/she must need to go to the server and gain access. It is where cloud came into picture, where all computers are networked together and share their resources when required. Based on the concept, later cloud emerged and implemented.

In 1961, John MacCharty proposed in a speech that computing be sold like water and electricity. For the next few decades, technology was not ready for it despite an interest in models.



Potential of cloud

The most impact of cloud technology is cost-saving and increased competitiveness of IT services available to the public and private organizations and the cloud will increase the benefits of end-users.



Future of cloud

Cloud is expensive and powerful and will continue to grow in the future. Cloud computing is cost-effective, and companies use it for their growth. Tech giants are looking to incorporate AI to process data, using AI in computing platforms there is an increase inefficiency.



Cloud has become a necessity after post-COVID. Business is needed to accommodate an abrupt shift to remote work. Cloud technology has helped in achieving the goal of enabling businesses to operate remotely. These services have enabled consumers to access services remotely.

2. How is the healthcare sector leveraging Azure?

In the field of healthcare, azure will thrive in every aspect of human life and let us narrow our exploration to the field. There is not a single part of an industry that has not been affected by COVID-19. One of the major industries to be impacted by COVID is healthcare. Azure has created enormous opportunities in the field of healthcare. Let us look into how azure is changing the life of people in healthcare.

1. Assist healthcare professionals and patients

Microsoft is working out ways to provide human healthcare in AI algorithms. The Team platform is accoutered with an encrypted message system. It comes with a patient care coordination hub and audio-visual platform. It collaborates with companies to enhance communication. It helps doctors to manage all files and case data and interact through chat or voice with patients.



2. Genomic data analysis

Researchers around the world have wide access to genomic data. Genomics is now available to the majority of researchers, which led to the discovery at a tremendous pace. Microsoft has facilitated genomics computing for researchers. Azure CycleCloud has enabled researchers to perform genomic analysis. Genomic research plays a vital role in precision medicine, prescribing personalized treatments for patients, and having a deeper understanding of human health.

3. Security

The Healthcare industry is driven by data. To ensure better decisions and better outcomes, the healthcare industry is moving towards the cloud due to the advancement in artificial intelligence, machine learning, and analytics. The protection and security of data are the primary value.

4. Virtual appointment

Patients can request an appointment with the provider and the provider will be given new analytics capabilities that give the provider key insights into the performance of virtual appointments. Patients can check the device tester which is provided by teams to focus on the appointment instead of managing tech challenges.

3. Features of Azure

Analytics support

Microsoft Azure has built-in support that analysis key insights and data. The services that are provided are Stream Analytics, Machine Learning, SQL services, and Cortana Analytics. These features will help businesses to discover new opportunities, make informed decisions and enhance customer service.

Unique storage system

Azure provides more data points and data centers when compared to other cloud services. This feature provides optimal user experience and delivers content faster. Users can store data in a reliable and faster environment. Businesses can share data content across multiple virtual machines.

IT support

Azure enhances the existing IT department. This can be done through hybrid databases, private connections, and storage solutions. It can exist in a business environment and harmoniously with data centers. This has made Azure one of the most cost-effective and easiest to access cloud.

4. Azure and Healthcare

Microsoft Azure is changing the game in the health industry. Whatever we have seen now is just the tip of the iceberg. Thousands of operations and multiple physicians' information are fed into the database of Microsoft Azure to make surgery safer and better.

Many companies trust Azure for the company's development. The data science team in Humana collaborated with Microsoft to explore the development of technology in healthcare. The team is developing to identify the gap in patient care and engage team members to offer support for high-risk patients.



5. Azure with other technologies

Microsoft Azure is compatible with other technologies. Azure is used in every technology as it needs data to function. Azure is also used in surgery, HoloLens, and much more.

HoloLens

HoloLens is a mixed reality device where it blends the physical and digital world together. It brings 3D to headset and other untethered devices. Azure helps in protecting sensitive information. HoloLens uses Azure GPU virtual machines to display the 3D object, code, and send it to HoloLens.



Artificial Intelligence

Artificial Intelligence (AI) uses Azure Machine Learning. It is a cloud service that helps engineers to integrate Data Analytics with AI. It helps to build AI applications faster and easier. Not correct



6. Summary

We have reached the end of the marvelous information. Azure was first developed in the year February 2010. Originally it was called Windows Azure, later it was named Microsoft Azure in July 2014. Azure is a virtual cloud, where the services include storage, database, software, and analytics. With the advancement the technology, the cloud will be the next big technology to boom, paving its path for every industry. Cloud finds a way in a varied assortment from Education to Healthcare.

Azure, a Microsoft product, is the next technology that will boom in every industry. During the COVID outbreak in the world, every country was under downfall, which led some of the industry to shut down. The only industry that sustained the pandemic was healthcare. Citizens of the country were not even able to visit doctors for consultation. It is when Azure played a significant role in the lives of the people. People were able to consult their doctors virtually.

Apollo 24|7 leverages the power of Azure by delivering health services in India. Apollo's vision is to provide world-class healthcare services and solutions using innovative technology. Apollo introduced virtual doctor consultation, medicine delivery, and personal health record maintenance. Apollo 24|7 connects different information sources to provide a complete experience for the customer. Apollo was even able to get high customer satisfaction, sell a greater number of medicines. Apollo 24|7 will soon include AI based health predictor and wellbeing partner offerings.