

# CLOUD COMPUTING SERVICE PROVIDER



**Google Cloud** is one of the cloud computing services offered by Google which has data centers all around the world that have allowed it to scale to billions of users. These data centers house the computing infrastructure that powers the Google products you may be familiar with, such as Search, Gmail, and Google Photos. Google Cloud gives you access to the same technology and infrastructure that powers Google. Google Cloud has over 100 products and tools in categories like compute, storage, and machine learning and artificial intelligence that seamlessly integrate together all a click away. What is Google Cloud? In a sentence, Google Cloud lets developers build and host applications and websites, store data, and analyze data, all on Google's scalable and reliable computing infrastructure.



**Azure** is the platform provided by Microsoft. It is basically an online portal through which you can access and manage resources and services now resources and services are nothing but you can store your data and you can transform the data using services that Microsoft provides. All you need is the internet and being able to connect to the Azure portal then you get access to all of the resources and their services. Azure was launched on February 1st, 2010 which is significantly later than when AWS was launched. It's free to start and has a pay-per-use model.



**Oracle** is a cloud computing service offered by Oracle Corporation. Oracle Cloud provides servers, storage, network, applications, and services through a global network of Oracle Corporation managed data centers. Oracle has created a cloud fabric with no single point of failure improved SMAS and enterprise-grade infrastructure for a great deal improved performance and security compared to alternative cloud providers. With the lowest cost of deployment, Oracle cloud became a truly compelling choice of platform. The point of unique is Oracle cloud enables customers to use exactly the same technologies and standards in the cloud.



**Alibaba Cloud** is the number one cloud service provider in China. With a diverse range of products and solutions, Alibaba Cloud provides reliable services to businesses of all sizes across the globe. With dozens of availability zones in 18 major international economic regions, Alibaba Cloud offers full-fledged support to millions of clients around the world with a global infrastructure network and provides reliable computing power to billions of users. Alibaba cloud has independently developed a distributed operating system to achieve the smooth scheduling of millions of servers and solve various problems including IT Infrastructure Performance Optimization, Resource Expansion, Automated Operation and maintenance for millions of customers in 200+ countries and regions globally.



**IBM Cloud** is a suite of cloud computing services from IBM that offers both platforms as a service (PaaS) and infrastructure as a service (IaaS). The IBM Cloud Catalog lists over 170 services across categories such as compute, network, storage, management, security, data management, security, data management, analytics, Artificial Intelligent (AI), Internet of things (IoT), mobile, developer tools, blockchain, integration, migration, VMware and just to name a few. The IBM Cloud enables the customers to have the same services available on the IBM private and public clouds, also on any third-party public cloud and services at the edge. IBM Cloud platform supports access to other IBM tools and services including IBM Watson and IBM Cloud Functions for serverless computing as well as those from third-party vendors.

## COMPARISONS

Cloud Service Comparison	Google Cloud	Alibaba Cloud	IBM cloud	Azure	Oracle
Company	Google	Alibaba	IBM	Microsoft	Oracle
Founded	1998	2009	1911	1975	1977
Platform supported	SaaS	Windows Linux SaaS	SaaS	Windows	Windows Linux SaaS

## REFLECTION

With cloud computing, we got to keep abreast with the latest technology. This is due to the fact that we need not worry about system upgrades because they are all hosted elsewhere. We just need to click a button to increase server capacity. Moreover, cloud computing is cost-saving. In the past, running, managing, and deploying local systems was very expensive and may cost a vast amount of money. In most cases, there are plenty of technicians involved and we have to pay a lot of money and time to maintain everything. However, in the cloud, because there is no longer a need to run, manage, and deploy the system, a lot of costs can be saved. Besides, due to the data being stored in the cloud, our workplace is no longer limited to the office. On the contrary, we can work on tablets and mobile devices.

## REFERENCES

<https://treinetic.com/cloud-service-providers/>  
<https://www.forbes.com/sites/bernardmarr/2020/11/02/the-5-biggest-cloud-computing-trends-in-2021/>

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