

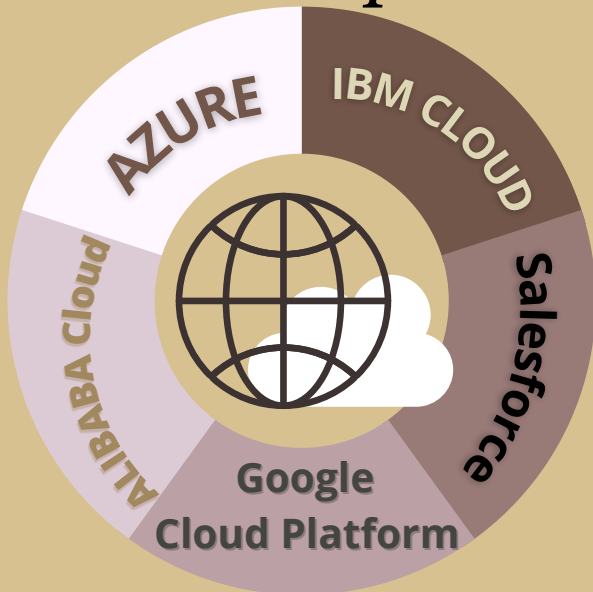
Cloud Computing

Service Provider

27 NOVEMBER 2021



Examples:



Google Cloud is a cloud computing platform developed by Google and launched in 2008. It also provides the different services that are IaaS, PaaS and Serverless platform.

It also offers different options for networking, such as virtual private cloud, cloud CDN, cloud DNS, load balancing and other optional features. It also offers management of big data and Internet of things (IoT) workloads. Cloud machine learning engine, cloud video intelligence, cloud speech API, cloud Vision API and others also utilize machine learning in Google cloud. Most often used by developers, as opposed to line-of-business company employees.



Alibaba Cloud offers a full range of cloud products and services for databases, networking, security, analytics & big data, domains & website management, application services, media services, middleware, and more. AC also provides high-performance elastic compute services, including Elastic GPU Service (EGS). Alibaba Cloud storage and infrastructure services include: Table Store, Content Delivery Network, Network attached storage. Management tools are core to any public cloud provider's offering and Alibaba Cloud has this area covered as well.

Description:



categorized as platform as a service (PaaS), software as a service (SaaS) and infrastructure as a service (IaaS). They all can be used by developers and software employees to create, deploy and manage services and applications through the cloud. Services can include financial, human resources, scientific, retail, media and numerous other use cases.

salesforce

A well known SaaS provider, Salesforce is a CRM tool that helps businesses manage customer relations and generate sales leads. The Sales Cloud combines A.I. and customer data to help sales teams identify potential leads and close sales faster.



(International Business Machines Corporation)

It's an IaaS servers can be deployed in minutes to a few hours, depending on the cloud type. The tech giant's "bare metal servers" take a few hours to deploy and can accommodate projects up to 3 terabytes. The "virtual servers" deploy in a matter of minutes and are useful for scalable projects that require flexibility.

Comparison:



- **Computing:** The number of bare metal servers from IBM deployed around the world is the highest, in addition to more customization and NVIDIA GPU options for bare metal.
- **Network services:** Integrated global private network, with fastest DNS and CDN, and unlimited private network bandwidth for all servers.
- **Storage:** 48K max IOPS per block, with lower-cost block and file for high I/O workloads. With flex deployment for unstructured data.



Google Cloud

- **Live Migration:** Compared to other services, Google offers live migration of virtual machines between host machines, which allows businesses to be up and running 24x7 without any hindrance in performance. Google introduced this service back in 2014. "We're introducing transparent maintenance that combines software and data. Google launched this service back in 2014. "We're introducing transparent maintenance that combines software and data center innovations with live migration technology to perform proactive maintenance while your virtual machines keep running."
- **Big Data:** Google's innovative tools cloud warehousing such as Google BigQuery, and batch and real-time data processing tools such as Google Cloud Dataflow, and Google Cloud Dataproc can provide you with some great insights.



- **Higher number of VM processor:** When it comes to the number of processors in a virtual machine, Alibaba Cloud provides more processors as compared to traditional and other cloud providers. This is great for businesses who have heavy server workloads and use mission-critical computing applications. Having additional processors helps in boosting the performance of the application and improving the efficiency of resources usage.



- **Hybrid Capabilities:** Azure provides a broader range of hybrid connections including virtual private networks (VPNs), caches, content delivery networks (CDNs), and ExpressRoute connections to improve usability and performance.
- **Cost Efficient Platform:** Microsoft's pay-as-you-go model allows you to pay for what you use to build or expand resources using Azure services. This cuts down the IT administration costs to a minimum as infrastructure is taken care of by Microsoft on Azure. It connects datacenters to the cloud effortlessly and supports 42 regions like no other cloud provider.

salesforce

- **Scalability & Customisation:** CRM software is an investment. So, not only should it take care of a business' present requirements, but also of future needs as well; and every company that makes such an investment requires THAT assurance. So, whether it is looking after a company's current customer relationships or looking after a customer base that builds over the next five years, Salesforce has the capacity and ability to scale up.
- **Partner ecosystem:** when you become a Salesforce AppExchange partner, you will have access to the widest range of free and popular apps. You can also develop apps for Salesforce and market these as well. Furthermore, you have access to a wide range of tools, allowing you to easily find the tools you require.

Group members

Nerea A21E0100 Afifah A21EC0004
Qaisara A21EC0125 Mirza A21EC0006
Jeliza A21EC0034