

Learn about Public Cloud, Private Cloud and Hybrid Cloud

There are many different ways to deploy and exploit cloud computing resources.

When you understand the basic details of cloud computing, a simple example of how to distribute computing services on the Internet, you will find that there are many different ways to deploy and exploit. cloud resources. Cloud computing options include Private Cloud (private cloud), Public Cloud (public cloud) or hybrid between the two types (Hybrid Cloud). All three options provide similar benefits, including reasonable cost, high performance, reliability and large scale. Choose which cloud model depends on your business needs.

What is Public Cloud?

Public Cloud is provided as a service (as a service) through the Internet environment and the client's infrastructure (server) or application is located in the cloud provider data center. Customers cannot see and control the location of the services they use. Infrastructure resources are shared among many customers but the data is completely separate and only customers can access it. Public Cloud has the advantage of cutting initial deployment costs, reducing application complexity and time. Microsoft Azure is an example of a Public Cloud. Public Cloud is often used to provide email, online office applications, storage and environments for testing and development.



Advantages of Public Cloud:

Low cost: using Public Cloud helps businesses cut their IT budgets because they don't have to invest in initial costs for hardware devices, servers are virtualized and provided by vendors service level. Enterprises can choose the necessary configuration parameters and pay only the actual cost. Enterprises also do not need to hire IT staff to operate the system; This work has been undertaken by cloud providers.

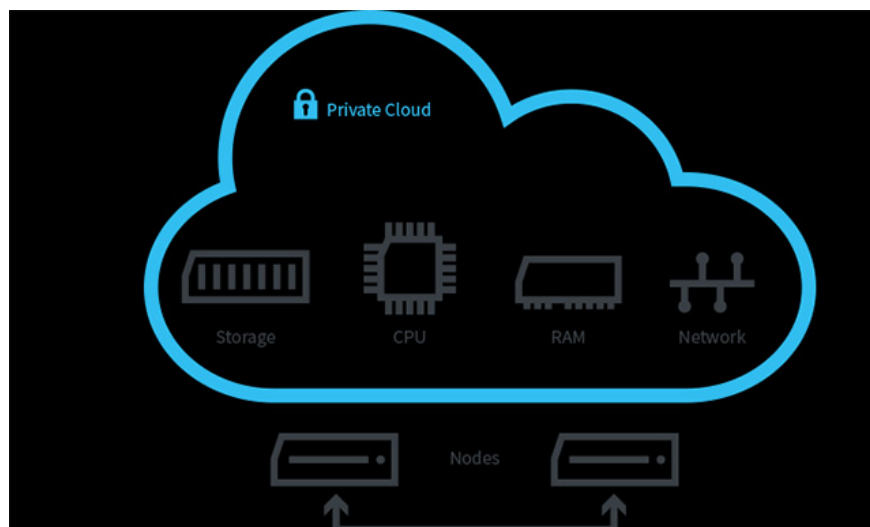
Maintenance-free - Cloud services are operated and maintained by suppliers, so businesses need not worry about this. Using Public Cloud means not having to own hardware devices, businesses create and manage services using software tools.

Scalability is almost unlimited, always ready to meet all your business needs.

High reliability with a huge server network.

What is Private Cloud?

Private Cloud is characterized by the entire infrastructure of equipment deployed internally with customers and therefore these resources can only be accessed by customers. Customers have full control, operation and maintenance of the system. Private Cloud includes computer resources that are used exclusively by a certain business or organization. Private Cloud can also be an on-site data storage center of an organization or a third-party service provider. A Private Cloud can help organizations customize their resources to meet specific IT requirements. Therefore, Private Cloud is often used by government agencies, financial institutions, or any other medium to large-scale organizations with important business operations seeking a control. Closer to their data environment.



Advantages of Private Cloud:

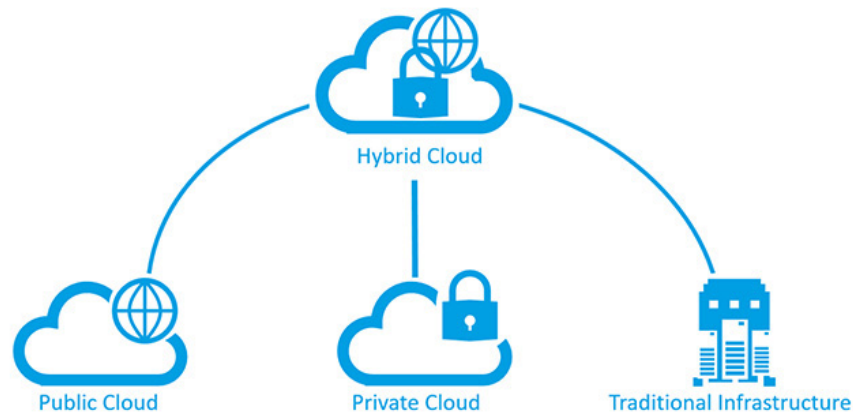
More flexible: Organizations can customize their cloud environment to meet specific business needs.

High security: Devices and services are in place so only businesses can access the data. This does not mean that Public Cloud is not secure, but Private Cloud makes businesses feel 'safer'.

Scalability: Private Cloud has the ability to greatly expand and effectively interact with the Public Cloud cloud.

What is Hybrid Cloud?

Hybrid Cloud is a combination of Private Cloud and Public Cloud to take advantage of both of them. In a Hybrid Cloud, data and applications can be moved between Private Cloud and Public Cloud, thus bringing Higher flexibility as well as more options for data deployment. For example, you can use Public Cloud in cases that are not too focused on security factors, such as email and Hybrid Cloud for sensitive activities, important business activities such as financial statements. In addition, there is a very useful and remarkable service in the hybrid cloud, which is cloud bursting. This service allows transferring data or applications from Private Cloud to Public Cloud during free time. The system can then use Public Cloud resources to continue working normally.



Advantages of Hybrid Cloud:

With the Hybrid Cloud model, IT policymakers are more likely to control components in the cloud than using an available public cloud platform.

Hybrid Cloud also creates the necessary flexibility, allowing companies to have more options in finding fast, stable but low-cost storage solutions.

The other obvious benefit of Hybrid Cloud is to help businesses pay only for extra computing time at really necessary times. Accordingly, for businesses with a certain amount of time during the year that require a large amount of calculations (eg tax season), they can switch to utilizing Public Cloud in the Hybrid Cloud system. As a result, they will save a lot of money compared to large investments in a Private Cloud system, but only a few times a year.

Data conversion to Hybrid Cloud is rarely overloaded because you can move data gradually, segment by workload over time.

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