

## Public Cloud vs Private Cloud Choosing the Right Cloud Computing Environment!

Cloud computing is about efficiently storing and accessing data and programs over the internet instead of a physical hard drive of a computer and the technology has been successfully transforming how businesses and consumers store and access their data by providing a mechanism to centralize computer services. Today, service providers offer diverse cloud solutions to organizations of every shape and size across three cloud architectures – public cloud, private cloud, and hybrid cloud.



### Public Cloud Computing

In a public cloud, resources such as servers, networks, and storage are shared between multiple users, making it the most cost-effective and affordable cloud solution.



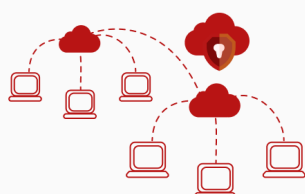
### Private Cloud Computing

A private cloud resides on the company's infrastructure and is firewall-protected and physically secured.

## Public Cloud vs Private Cloud

	Public Cloud Computing	Private Cloud Computing
<b>Infrastructure</b>	Multiple users – shared network managed by a service provider hosted off-site	Single user – dedicated network managed by the in-house technical team
<b>Requirements</b>	Off-premises	On-premises/off-premises
<b>Scalability</b>	Easily scalable as per the requirement	Depends on the service provider agreement
<b>Maintenance</b>	By the cloud-service provider	By the in-house technical team
<b>Expense</b>	The most affordable cloud that also offers a pay as you go service	High investment cost to set up the network and staff with regular maintenance
<b>Performance</b>	Multiple users might reduce the performance level	High performance for a dedicated server
<b>Uses</b>	Online office applications, storage, and testing of development	High computing power, data protection, and security
<b>Example</b>	Amazon Web Services (AWS)	VMWare, Red Hat

An emerging third type of cloud computing environment – hybrid computing!



### Hybrid Cloud Computing

A hybrid cloud blends the advantages of public and private cloud, thereby providing a higher level of flexibility, security, deployment options, and compliance at a lower cost.