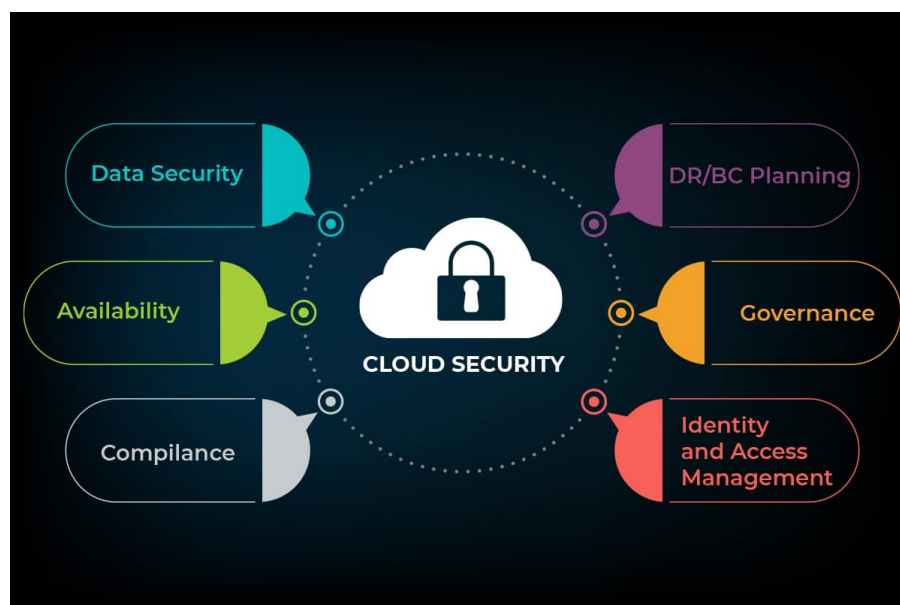


⚡ Current Skill Cloud Security

What about cloud-computing security?

Many companies remain concerned about the security of cloud services, although breaches of security are rare. How secure you consider cloud computing to be will largely depend on how secure your existing systems are.

In-house systems managed by a team with many other things to worry about are likely to be more leaky than systems monitored by a cloud provider's engineers dedicated to protecting that infrastructure.



Let's see now the different types of Cloud.

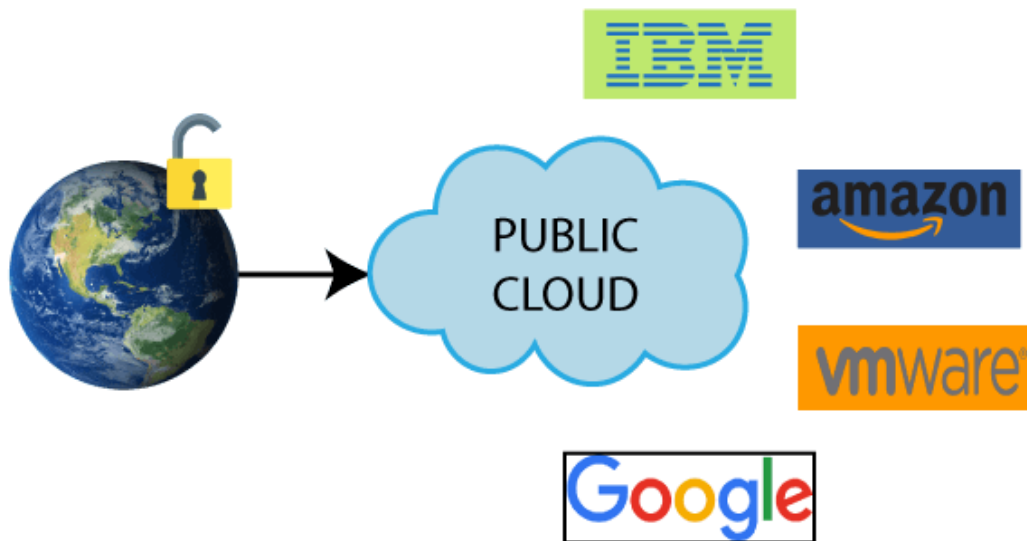
What is public cloud?

Public cloud is the classic cloud-computing model, where users can access a large pool of computing power over the internet (whether that is IaaS, PaaS, or SaaS). One of the significant benefits here is the ability to rapidly scale a service.

The cloud-computing suppliers have vast amounts of computing power, which they share out between a large number of customers – the 'multi-tenant' architecture.

Their huge scale means they have enough spare capacity that they can easily cope if any particular customer needs more resources, which is why it is often used for less-sensitive

applications that demand a varying amount of resources.



What is private cloud?

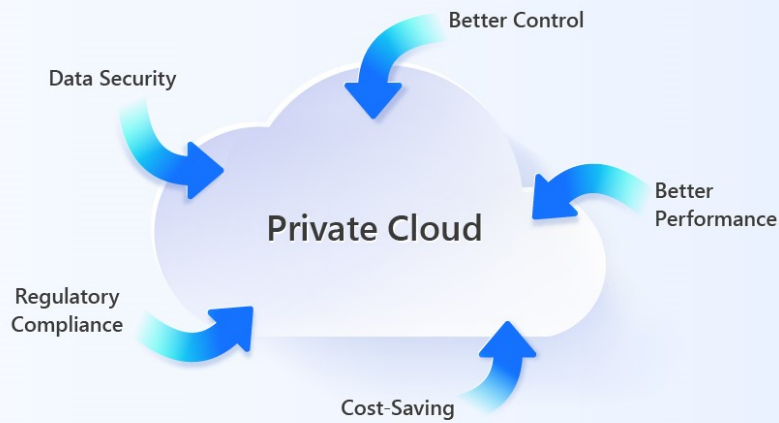
Private cloud allows organizations to benefit from some of the advantages of public cloud – but without the concerns about relinquishing control over data and services, because it is tucked away behind the corporate firewall.

Companies can control exactly where their data is being held and can build the infrastructure in a way they want – largely for IaaS or PaaS projects – to give developers access to a pool of computing power that scales on-demand without putting security at risk.



However, that additional security comes at a cost, as few companies will have the scale of AWS, Microsoft or Google, which means they will not be able to create the same economies of scale. Still, for companies that require additional security, private cloud might be a useful stepping stone, helping them to understand cloud services or rebuild internal applications for the cloud, before shifting them into the public cloud.





What is hybrid cloud?

Hybrid cloud is perhaps where everyone is in reality: a bit of this, a bit of that. Some data in the public cloud, some projects in private cloud, multiple vendors and different levels of cloud usage.

- Infographic: Companies are turning to hybrid cloud to save money
- What does 'hybrid cloud' mean? It depends on whom you ask
- Managing the multi-cloud: It's complicated

