

# Cloud Types and Security- Which one is right for you?

Cloud services fall into three general categories: **private, public, and hybrid.**

A private cloud is dedicated to a single organisation. This means the resources are completely isolated, and only used by a single organisation. Public clouds on the other hand store data from multiple clients in one location. Doing this lowers costs, making the public cloud extremely popular. The hybrid approach uses both public and private models for specific data scenarios — classified or highly sensitive data for the private type, general-access information goes on the public model.



So which one is right for you?

Private clouds are believed to be more secure, but it won't stop insiders from accessing, altering, or stealing unprotected data. Public clouds, on the other hand, are attractive to hackers— exploiting a portal with data for a hundred companies is much more interesting than hacking one for a single company. Hybrids provide better security than a public-only model, but which information is private? Which information is public? Complex procedures are needed for these grey areas, making them highly subject to misuse.



Here are a few common challenges to data security:



Too many unknowns regarding security and operational intelligence



Concerns about confidentiality, auditing, reporting, and compliance



No regulations in place governing the security of erasing data and disk space recycling

Mobility of data and differences in regulations worldwide

Infrastructure shared by multiple tenants

Three capabilities determine the effectiveness of a security solution



**Policies on Access**

What are your cloud provider's policies on authorising access to sensitive information? How does it prevent even privileged users from viewing information they're not supposed to?



**How Data is Locked Down**

Does your cloud service provide strong key management? How does your cloud provider make sure that data is not readable?



**Security Intelligence**

Does your cloud provider's log information trigger alerts when users are exhibiting strange behaviour that may indicate a data breach?

Placing **your organisation on the cloud** makes it **agile and responsive**, crucial qualities in a rapid world. By choosing a provider with the right **security systems**, your enterprise moves one step closer to **securing business success.**