

Cloud Types

When we are migrating workloads to the cloud we can implement different types of implementations. Next some models that we can choose according to our use case:

Public cloud offers cloud services to the public; think of the big providers such as Google Cloud, Amazon Web Services (AWS), Microsoft Azure, and Alibaba Cloud.

Private cloud is developed in-house, specific to a business. Think of the Facebook Cloud, which Facebook had built for its own use. Or think of an on-premises cloud, where all servers, storage, and networks are dedicated to the company and hosted in a dedicated data center.

Hybrid cloud uses a mixture of a public cloud and a private cloud to create a more diverse environment. Customers with highly sensitive data, such as financial services or healthcare, like to have their own environments under their full control, where they can store their most highly sensitive workloads and data.

Multi-cloud is similar to a **hybrid cloud**, in that multiple clouds are at play, but typically in a multi-cloud environment, a business will be using multiple public clouds. Many top companies today use this model, such as Snapchat, which uses both Google Cloud and AWS for its workloads.

Community cloud is a collaborative effort in which infrastructure is shared between several organizations from a specific community with common concerns. It may be managed internally or by a third party, and can be hosted internally or externally.

Taken from [Google Cloud Certified Book](#)