

Cloud Computing

Cloud computing is the on-demand availability of computing services over the Internet that offers faster innovation, flexible resources, and economies of scale. This includes providing servers, storage, databases, networking, software, analytics, and business intelligence to businesses and consumers alike, without requiring these users to maintain any physical infrastructure.

With microservices architecture, deployment gets simplified as the functionality is separated into smaller units. There is more freedom to use various languages and frameworks in development, there are fewer dependencies between teams, and it's easier to design for reliability.

In the cloud, customers and cloud service providers operate using fundamentally different responsibility models. In traditional computing environments, a business typically would own the entirety of a data center environment and all of the labor associated with it, or it would be contracting with managed data center companies and purchasing equipment to be stored in the contractor's environment, paying them to perform physical management and some level of logical management.

Taken from [Google Cloud Certified Book](#)