

Cloud-Computing

What is cloud computing?

Let's discuss what is cloud-computing. According to AWS: Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing. Instead of buying, owning, and maintaining physical data centres and servers, we can access technology services, such as computing power, storage, and databases, on an as-needed basis from cloud providers.

With the help of cloud computing, we have the facility to use AI, machine learning, and deep learning. We can also connect to databases and data centres; we can manage our network; it allows us to work on multiple devices; we can have also access to containers and can increase and decrease our computing power; we can have access to virtual machines and different operating systems; we can manage our storage we can have greater security as we will discuss most of them in our upcoming slides. Cloud computing relies heavily on virtualisation and automation technologies. Virtualisation enables the easy abstraction and provisioning of services and underlying cloud systems into logical entities that users can request and utilise. Automation and accompanying orchestration capabilities provide users with a high degree of self-service to provision resources, connect services and deploy workloads without direct intervention from the cloud provider's IT staff.