

# CLOUD COMPUTING

Cloud computing refers to the delivery of on-demand computing services, including storage, servers, databases, software applications, analytics, and more, over the internet. It allows users to access and use these resources from anywhere, at any time, without the need for physical infrastructure or on-site hardware.

## INFRASTRUCTURE AS A SERVICE (IAAS)

Cloud computing layer that provides virtualized infrastructure resources over the internet. Users can access and manage computing resources like servers, storage, and networking. Allows businesses to scale their infrastructure as needed and pay only for the resources used. Users manage applications, data, runtime, and middleware, while the provider manages the infrastructure.

## SOFTWARE AS A SERVICE (SAAS)

Cloud computing layer that delivers software applications over the internet. Accessed through a web browser or dedicated software interface, eliminating the need for local installations and updates. Offers ready-to-use software solutions like CRM, ERP, project management tools, on a subscription basis. Users can access applications from anywhere, anytime, using any device with an internet connection. Relieves organizations from software maintenance, allowing focus on core business activities.

## PLATFORM AS A SERVICE (PAAS)

Cloud computing layer that offers a platform for developers to build, develop, deploy, and manage applications. Provides a complete development environment with an OS, programming languages, tools, and pre-built components. Allows developers to solely focus on application code without worrying about infrastructure management. Streamlines development, accelerates application deployment, and easily scales applications.