# What is Kubernetes?

* Kubernetes (K8s) is an open source container orchestration platform developed by Google.
* It is designed to automate the development, scaling, and management of containerized applications across a cluster of nodes.
* Kubernetes provides a consistent and reliable way to manage applications, regardless of whether they are running on-premises, in the cloud, or in hybrid environments.

# What is Microservices ?

* Microservice are a software architecture pattern that structures applications as a collection of small, independently deployable services.
* Each microservice is designed to perform a specific function or business capability and communicates with other services over well-defined APIs or protocols.