**KUBERNETES:**

Kubernetes is an open-source container orchestration platform that automates the deployment, scaling, and management of containerized applications. It was developed by Google and is now maintained by the Cloud Native Computing Foundation (CNCF).

Some of the key concepts in Kubernetes include:

1. Nodes: The machines that run your applications and form the cluster.
2. Pods: The smallest deployable units in Kubernetes, containing one or more containers.
3. Services: An abstraction that defines a logical set of Pods and a policy for accessing them.
4. Deployments: A declarative way to manage Pods and their replica sets.
5. ConfigMaps and Secrets: A way to manage configuration data and sensitive information, such as passwords or API keys.

Kubernetes provides a powerful set of tools for managing containerized applications at scale. It enables you to automate deployment, scaling, and management of your applications, making it easier to run containerized workloads in production. With Kubernetes, you can also leverage a wide range of ecosystem tools and services that integrate with the platform to provide additional capabilities, such as logging, monitoring, and service discovery.Top of Form





















