

Kubernetes

ReplicaSet:

It maintain a stable set of replica pods running at any given time. It maintains availability of a specified number of identical pods

It runs multiple instances of a pod and keeps the specified number of pods constant

Deployment

It is a tool that manages the performance of a pod. It provides updates for pod and replicaset. We can use deployments to create new replicasets, or to remove existing deployments. It is used to define how to create or modify instances of the pods

Pod

It is the smallest available unit which can be deployed. A pod can have single container or can have multiple containers

Node

Node is a worker which can be physical machine / server or a Virtual Machine that contains Kubernetes Clusters