What are the **Kubernetes** Service Types

kubernetes

Kubernetes Service Types are methods for exposing a network application that is running as one or more Pods in your cluster. There are four types of Kubernetes Services :
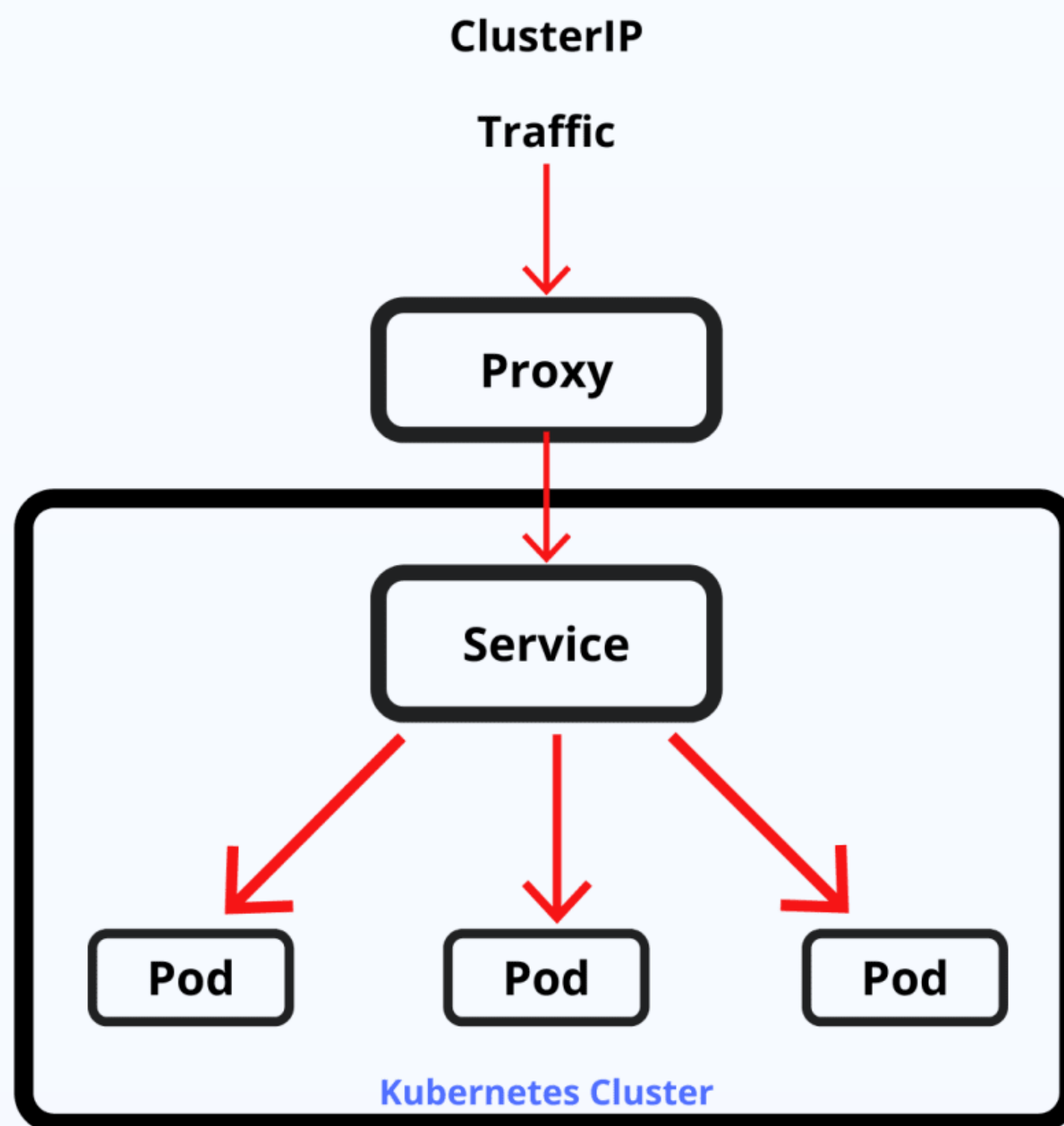
Cluster IP

NodePort

LoadBalancer

ExternalName

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Cluster IP

This is the default and most common type. It exposes a service on a cluster-internal IP address, which makes it only reachable from within the cluster.

ClusterIP

Traffic

Proxy

Service

Pod   **Pod**   **Pod**

Kubernetes Cluster

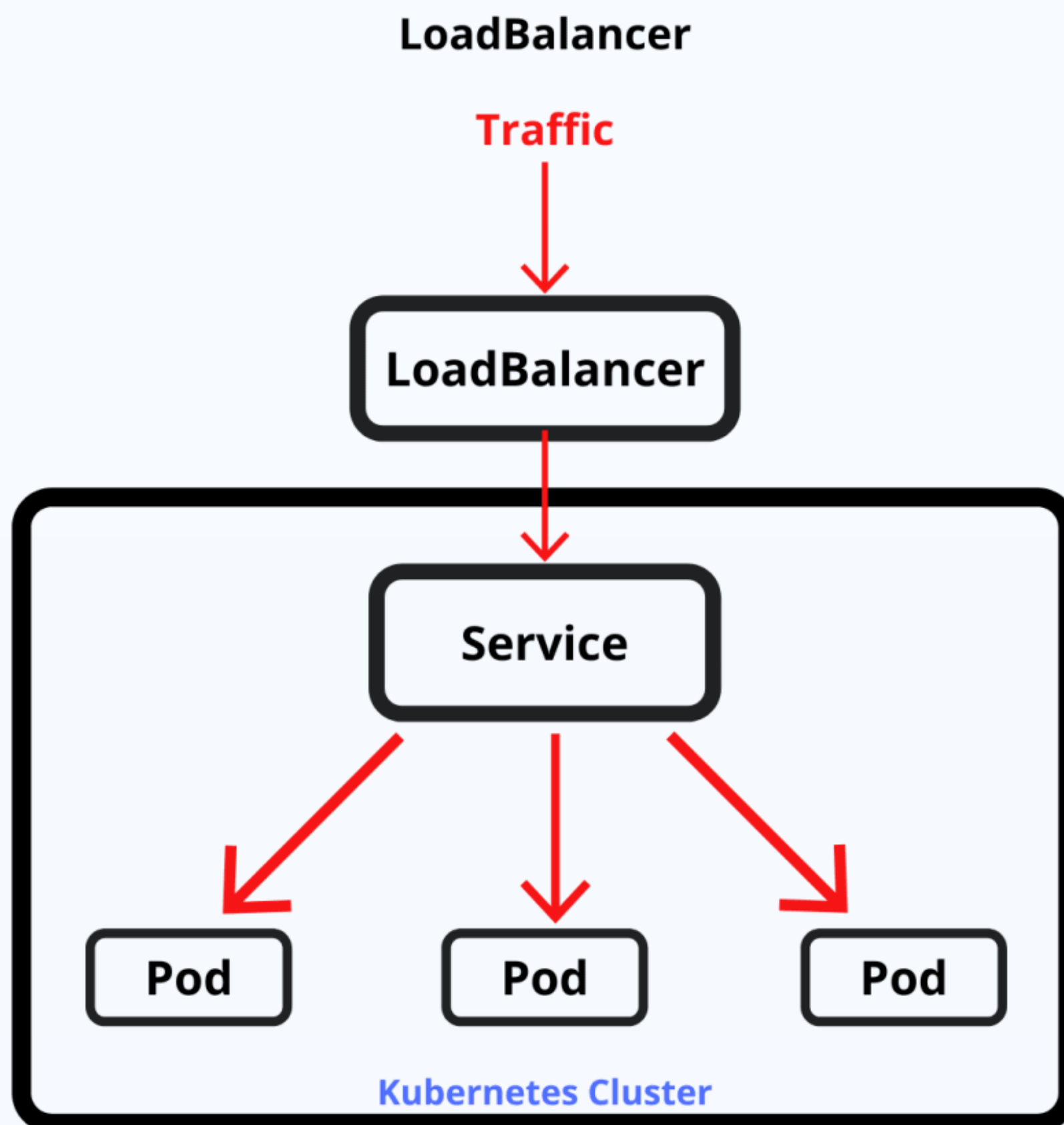**CloudVenture**
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NodePort

This type extends ClusterIP by exposing a service on each node's IP at a static port (the NodePort). This makes the service accessible from outside the cluster using <NodeIP>:<NodePort> as an address .
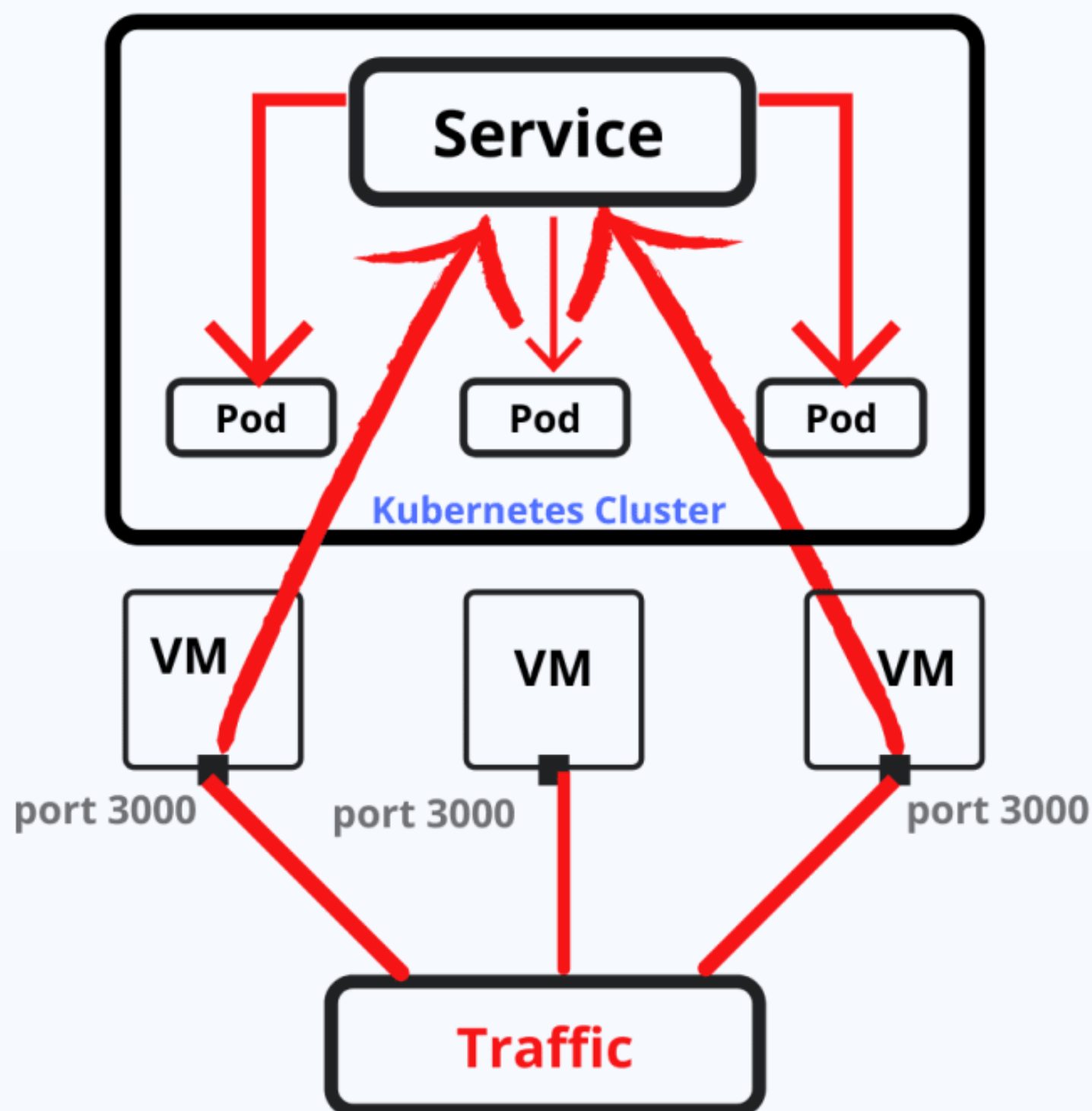
NodePort

LoadBalancer

This type extends NodePort by exposing a service via the cloud provider's load balancer. This makes the service accessible from outside the cluster using a load balancer's IP address or hostname .

LoadBalancer

Traffic

LoadBalancer

Service

Pod   Pod   Pod

Kubernetes Cluster

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ExternalName

This type maps a service to a predefined externalName field by returning a value for the CNAME record. This allows you to refer to an external service using an alias within your cluster .

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