

Types of Kubernetes Services

ClusterIP : The **default** value. The service is only **accessible** from **within** the Kubernetes **cluster** – you cannot make requests to your Pods from outside the cluster.

NodePort : This makes the **service accessible** on a **static port** on each Node in the cluster. This means that the service can **handle requests** that come from **outside** the **cluster**.

LoadBalancer : The service becomes **accessible** externally through a **cloud provider's load balancer** functionality. GCP, AWS, Azure offer this functionality. The cloud provider will **create** a **load balancer**, which then **automatically routes** requests to your Kubernetes Service.

ExternalName : It does **not define any ports** or endpoints. It serves as a way to return an **alias** to an **external service** residing **outside** the cluster.

Ingress : Ingress is **not a Service** type, but it acts as the **entry point** for your cluster. It lets you **consolidate** your **routing rules** into a **single resource** as it can expose **multiple services** under the same IP address.

