## services:

An abstract way to expose an application running on a Set of pods as a network service. With K8S you don't need to modify your application to use an unfamiliar service discovery mechanism. K8S gives pods their own IP addresses and a single DNS name for a Set of pods, and can load-balance across them.

## 1) cluster JP Service -

Interior Exposes the service on a cluster-internal IP. choosing this value makes the Services only reachable from within the cluster. This is the default service type.

## @ Headless service -

A headless service is a sorvice with a service IP but instead of load-balancing it will return the IPs of our associated pads. This allows to interact directly

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Control of the contro	with the pods instead of a proxy.
	@ NodePort Service-
1	A Nodeport is an open port on every node of your
. I	cluster. KSS transparently routes incomming traffic on
Fee e	the Mode Port to your service, even if your application
a).	is running on a different node.
In	The second of th
	@ External Name Service -
	External Name services are similar to other K8s
·	services; however instead of being accessed via a
7.	clusters address, it returns a chame record with a valu
e **	that is defined in the external Name; parameter when
<u> </u>	creating the Service.
	William Files
ķ	6 Load Balancer Service
i N	For clusters running onpublic cloud providers like
7.1	Alds or Azure, creating a load balancer service provide
	an equivalent to a cluster IP service, extending it to an
	external load balancor that is specific to the cloud
	provider.
	Incoming request
	Load
	Balancer
	cluster
	Services
	pod pod pod
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