⌂ **KUBERNETES FUNDAMENTALS (LFS258)**　　　　SUPPORT　　SIGN OUT

KUBERNETES ARCHITECTURE
Kubernetes Architecture

Service Operator

With every object and agent decoupled we need a flexible and scalable agent which connects resources together and will reconnect, should something die and a replacement is spawned. A *service* is an operator which listens to the *endpoint* operator to provide a persistent IP for Pods. Pods have ephemeral IP addresses chosen from a pool.

Then the *service* operator sends messages via the kube-apiserver which forwards settings to kube-proxy on every node, as well as the network plugin such as **calico-kube-controllers**.

A *service* also handles access policies for inbound requests, useful for resource control, as well as for security.

- Connect Pods together
- Expose Pods to Internet
- Decouple settings
- Define Pod access policy.