

Kubernetes Tips

Never forget:

- Lens - IDE for Kubernetes
- Paste : Ctrl + Shift + V (Lens IDE - older versions)
- When trying to connect to a NODE PORT → USE NODE IP (Nodes)
 - 3 Types of Service:
 - NODE PORT → USE NODE IP (Nodes) (external or internal access)
 - CLUSTER IP (only internal access)
 - LOAD BALANCER (only internal access)
- In enterprise environments, always remember regcred on deployment.yaml, usually useful
- When a pod does not have a service associated and it's persistent, maybe has a statefulSet associated with it, go to Stateful Sets in lens and erase them before trying again to delete the pods
- If a PVC or PV does not delete:
 - Delete this part in the metadata

```
finalizers:  
  - kubernetes.io/pvc-protection
```
 - Then save it and it should be deleted
 - If not try again and in the end, try to kill again the PVC, then PV
- Exposing Minikube to an External IP (Might solve some issues connection Lens to localhost minikube and from services to the outside)

- minikube tunnel (run it on powershell for example and keep it running before starting a service from pod, if it needs external communication)
- Service DNS inside cluster in this format
 - my-svc.my-namespace.svc.cluster-domain.example
 - my-svc is what is defined in app: (inside deployment.yaml)

```
selector:  
  matchLabels:  
    app: my-svc
```

- If it's local: Eg. <http://my-svc.my-namespace.svc.cluster.local/<context-path>>
 - <context-path> if exists