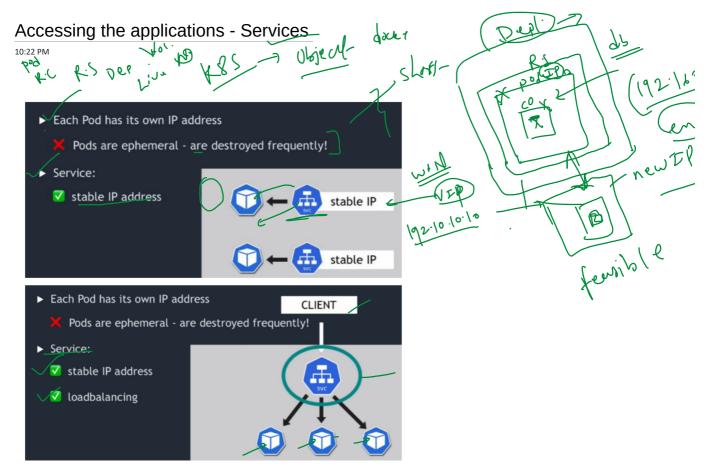
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Services

- Service an abstraction which defines a logical set of Pods and a policy by which to access them 1080:80
- The service maps an incoming port to a target port
- The pods targeted are defined by the selector → Endpoints
- We can have services without selector → no Endpoints object is created automatically <
- iptables proxies depends on working readiness probes
- Service discovery:
 - Environment variables are created when the pod is created → requires ordering (the service should be defined first)
 - DNS optional cluster add-on. No ordering is required.

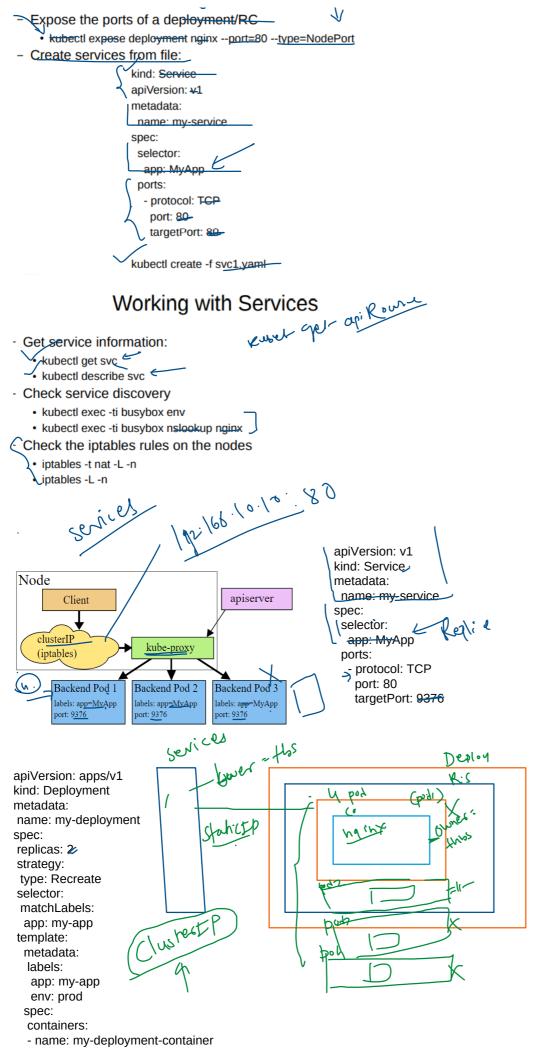
Service types



- ClusterIP: Exposes the service on a cluster-internal IP only reachable from within the cluster. Default
- NodePort: Exposes the service on each Node's IP at a static port. The service will be reachable from outside the cluster using NodeIP:NodePort
- LoadBalancer: Exposes the service externally using a cloud provider's load balancer.
- ExternalName: Maps the service to the contents of the externalName field, by returning a CNAME record with its value.

Working with Services

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image: nginx