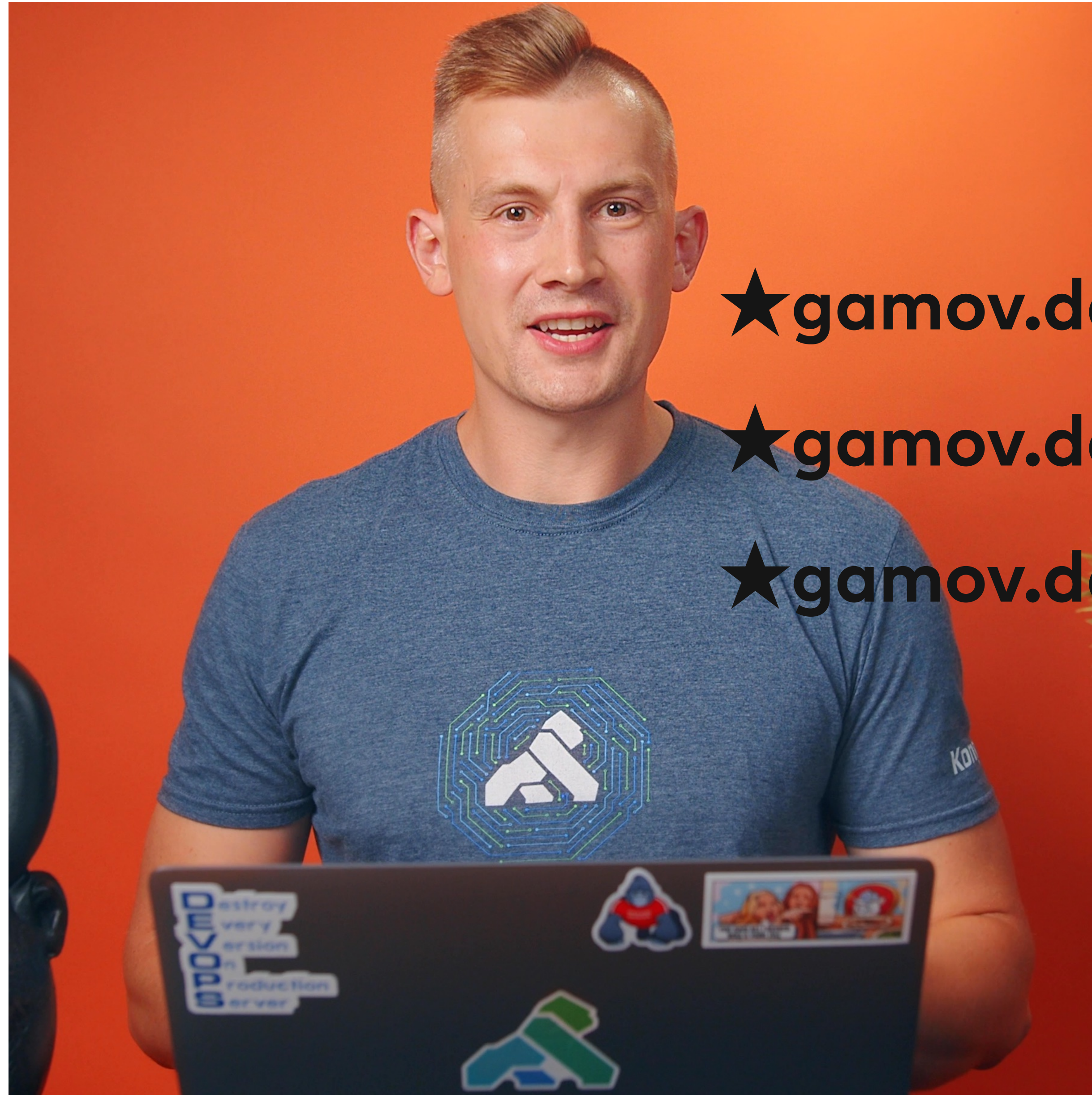


# Supercharge Your Ingress with Kong

| Viktor Gamov | @gamussa  
| October 2021





★ [gamov.dev/twitter](#)

★ [gamov.dev/telegram](#)

★ [gamov.dev/youtube](#)



@gamussa | @thekonginc



# Agenda

## What I will try to show you today

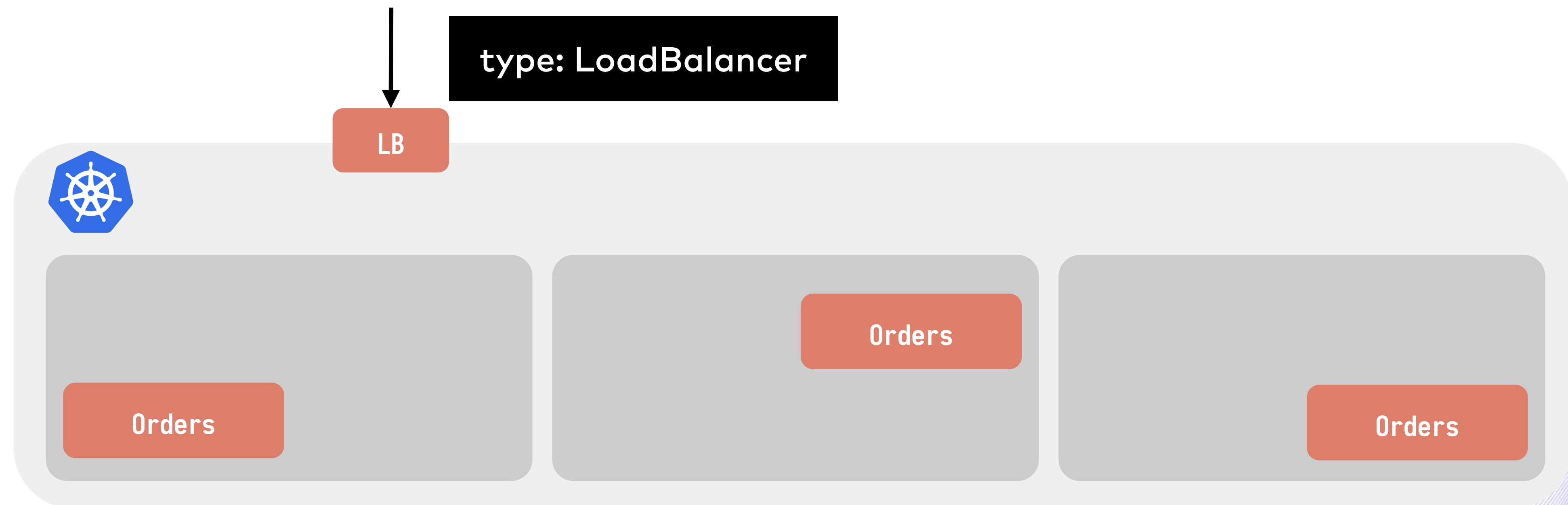
- Cloud Native / Kubernetes Native Application Management
- Intro to Kubernetes Ingress
- Advanced Features



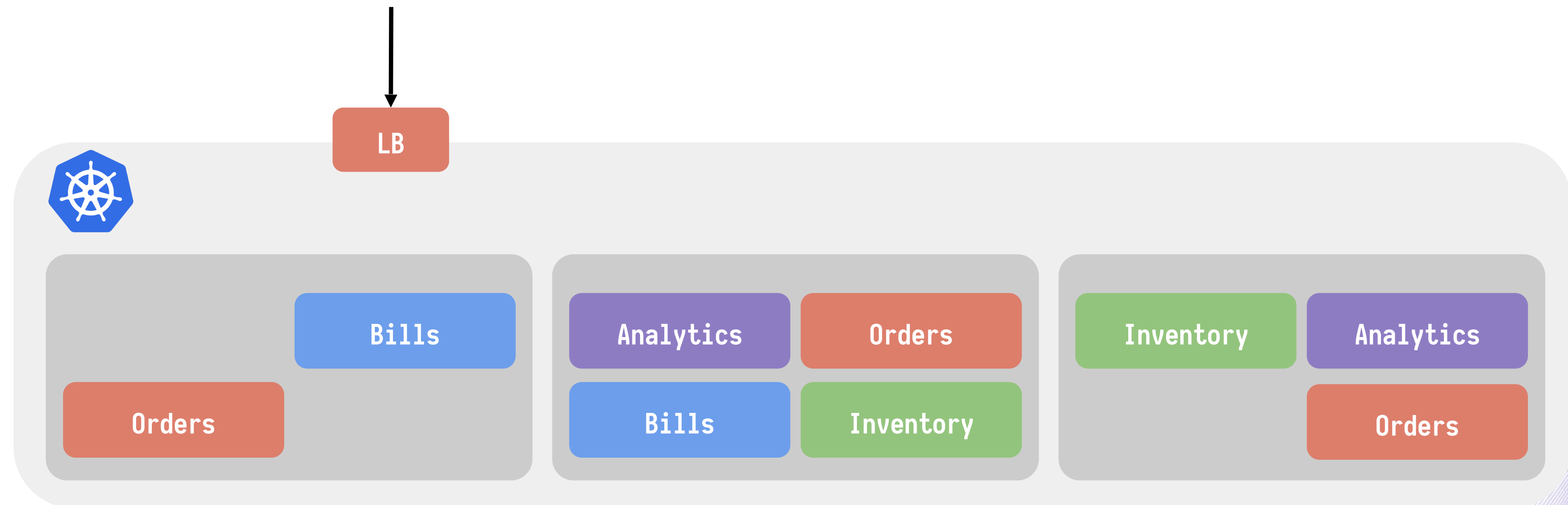
# Kubernetes Native Apps

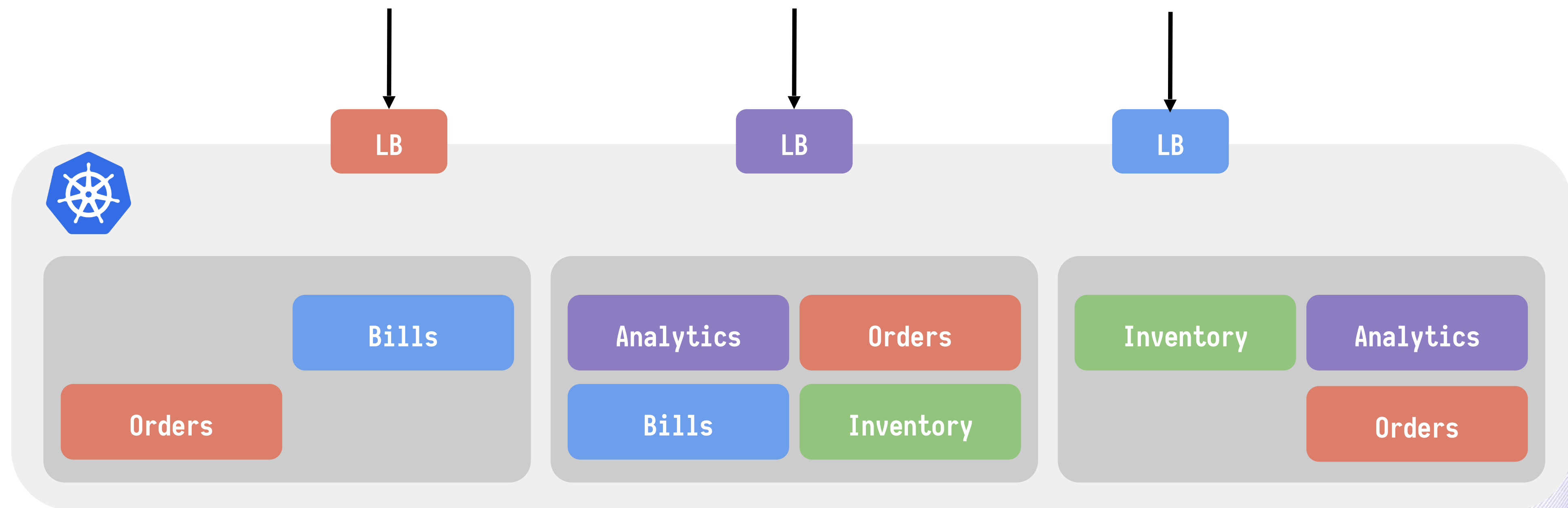




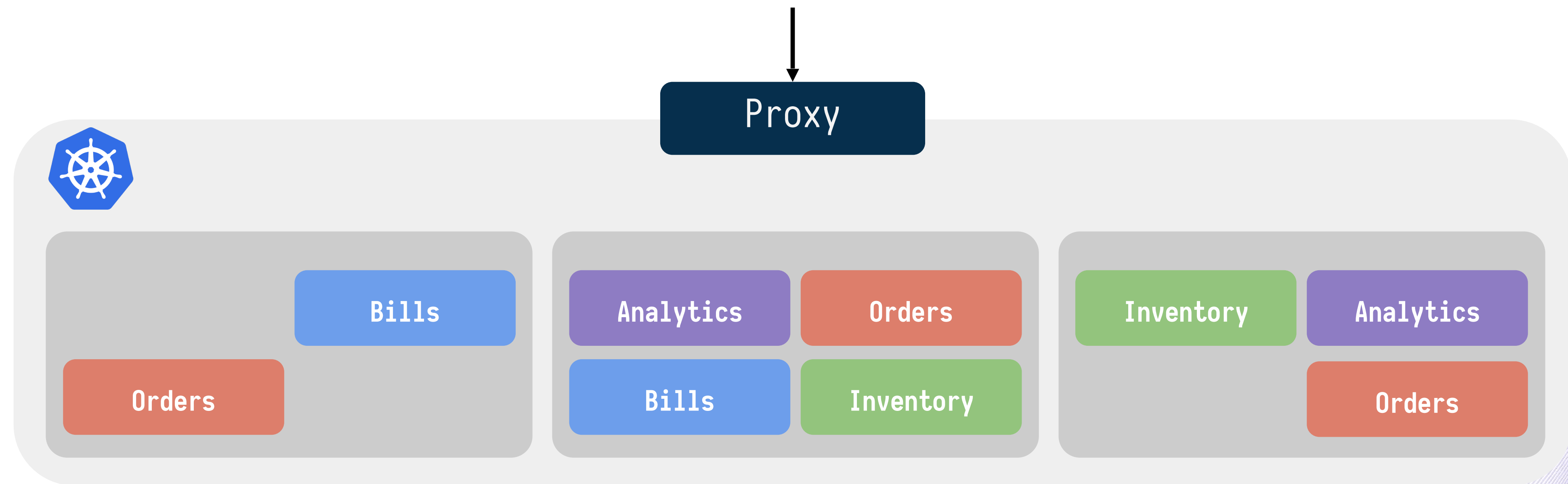
















# Kubernetes Ingress



# Vendor Neutral Spec

```
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: finance-apis
spec:
  rules:
    - host: example.com
      http:
        paths:
          - path: /bills
            backend:
              service:
                name: bills
```



# The Same Old

## One port of entry

- Operations
- Security & audits
- \$ effective

## Connection management

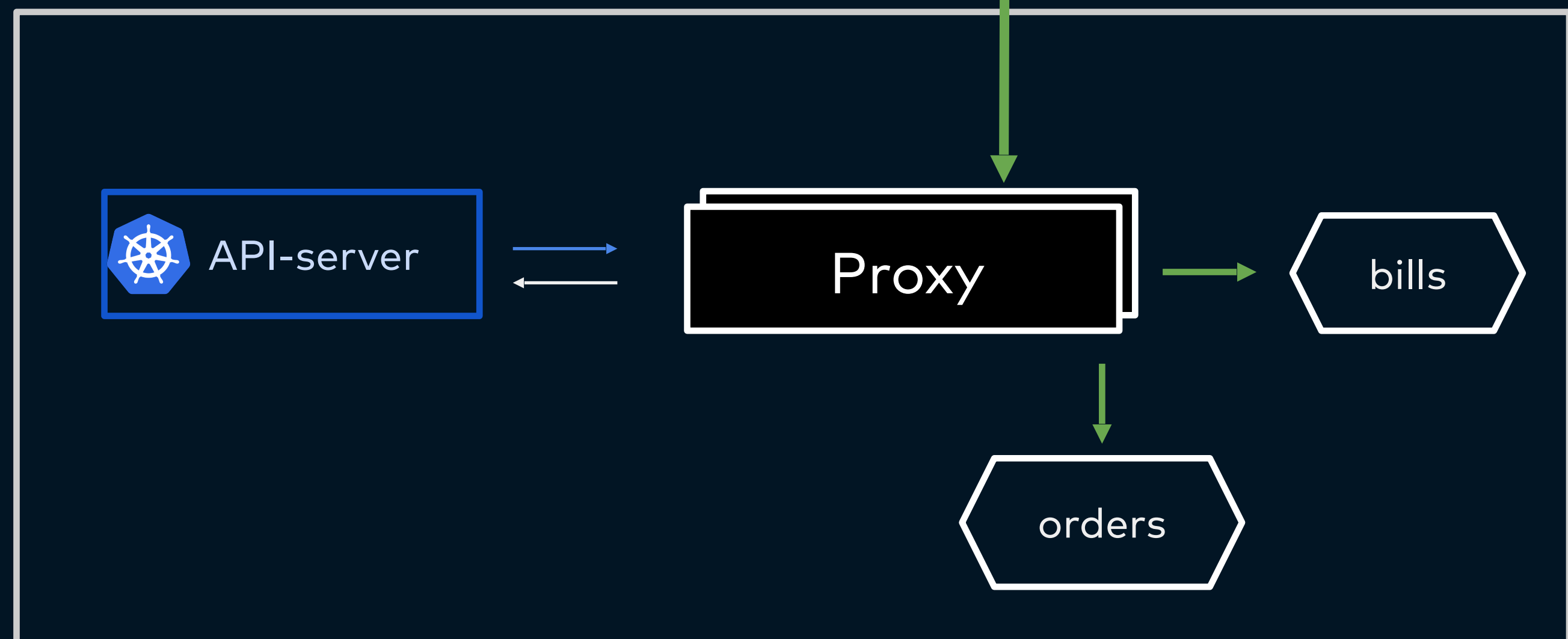
- TCP and TLS termination
- Certificate management
- Service mesh

## Traffic management

- Load balancing
- Throttling
- Canary
- Service mesh



 `kubectl apply -f ingress.yaml`





# Who will implement all this?





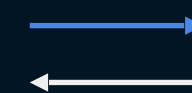
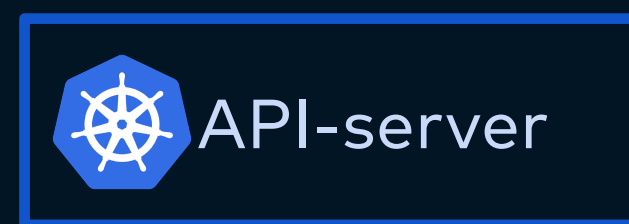
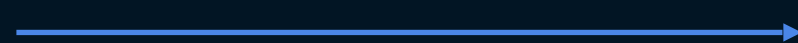




# Hmm...

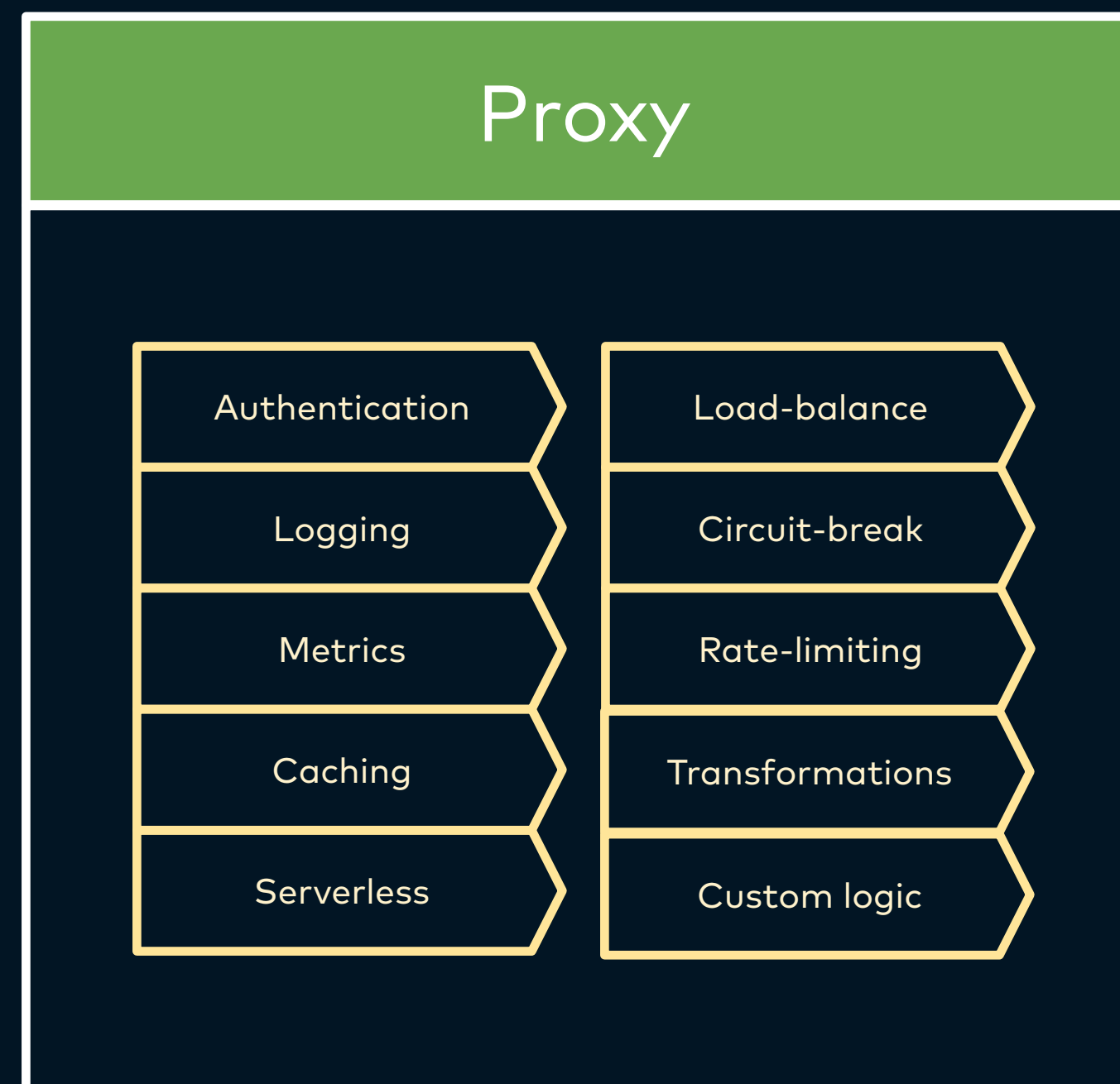


```
kubectl apply -f ingress.yaml
```





# What if?





configuration.konghq.com/v1

# Custom Resource Definition

KongPlugins

Additional functions that can be executed as requests are proxied to each Service





# Popular gRPC plugins

- Ingress for gRPC services
- <https://docs.konghq.com/hub/kong-inc/grpc-gateway/>
- <https://docs.konghq.com/hub/kong-inc/grpc-web/>



# ***DEMO!***

***Talk is cheap, show me the code <sup>TM</sup>***



# Join Kong Nation!

## Links

- <https://konghq.com/kong-builders/>
- <https://youtube.com/konginc>
- <https://konghq.com/community/>

