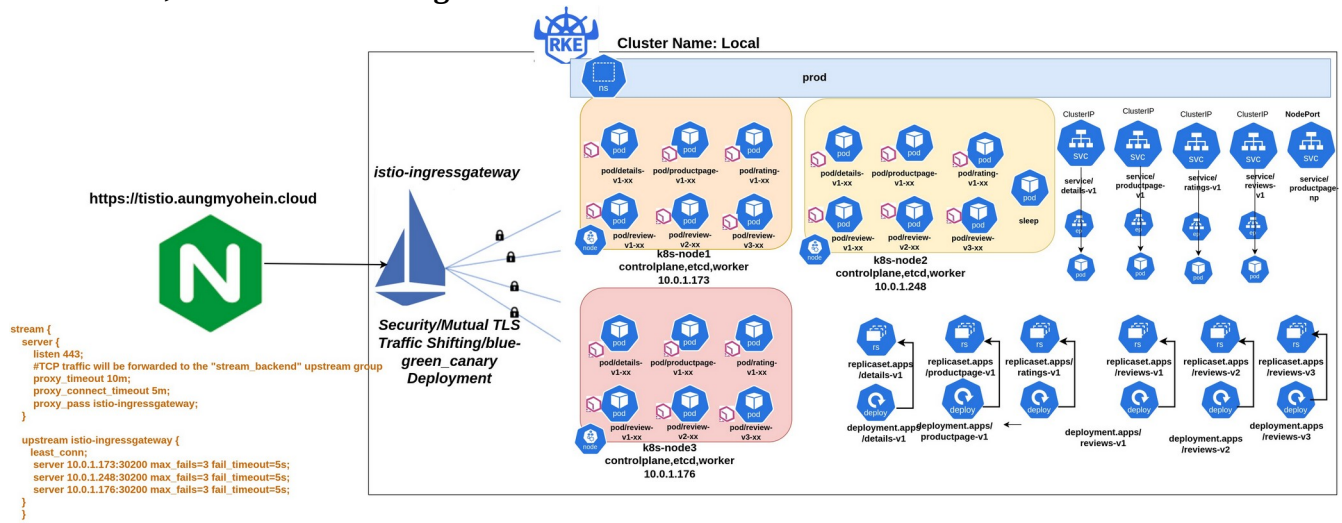


# Deploying Bookinfo Microservices on an RKE Kubernetes Cluster with Nginx Load Balancing, Istio mTLS, and Traffic Shifting



```
subset: v1 # Name of the subset configured in the destination rules
port:
  number: 9080 # Port for your service (adjust if needed)
weight: 50 # Loadbalancing regarding ( blue+green, canary )
- destination:
  host: productpage # The name of your product page service
  subset: v2 # Name of the subset configured in the dr rules
  port:
    number: 9080 # Port for your service (adjust if needed)
  weight: 50 # # Loadbalancing regarding ( blue+green, canary )

ubuntu@nginx-server:~$
```

```
ubuntu@node02:~$ while true; do curl -I https://istio.aungmyohein.cloud; sleep 5; done
HTTP/2 200
server: istio-envoy
date: Sun, 20 Oct 2024 15:45:02 GMT
content-type: text/html; charset=utf-8
content-length: 9429
vary: Cookie
x-envoy-upstream-service-time: 28

HTTP/2 503
content-length: 167
content-type: text/plain
date: Sun, 20 Oct 2024 15:45:07 GMT
server: istio-envoy
x-envoy-upstream-service-time: 30

HTTP/2 200
server: istio-envoy
date: Sun, 20 Oct 2024 15:45:12 GMT
content-type: text/html; charset=utf-8
content-length: 15072
vary: Cookie
x-envoy-upstream-service-time: 53

HTTP/2 503
content-length: 167
content-type: text/plain
date: Sun, 20 Oct 2024 15:45:17 GMT
server: istio-envoy
x-envoy-upstream-service-time: 37

HTTP/2 200
server: istio-envoy
date: Sun, 20 Oct 2024 15:45:22 GMT
content-type: text/html; charset=utf-8
content-length: 9429
vary: Cookie
x-envoy-upstream-service-time: 20

HTTP/2 503
content-length: 167
```