nginx-ingress controller

Nginx-ingress controller service

[port] 80   30444 [nodePort]

[targetPort] 80

Default backend [80]

[port]

[targetPort] 80

Deployment - nginx-ingress controller

Replica Set

Pod [80]

Frontend Ingress Configuration -> http://<fronend-svc-name>:80/app*

Backend Ingress Configuration -> http://<backend-svc-name>:80/api/*

Deployment - Default Backend

Replica Set

Pod [80]

http://<ip-address>:<nodePort>/app

http://<ip-address>:<nodePort>/api/isalive

http://<ip-address>:<nodePort>/api/saveip

http://<ip-address>:<nodePort>/api/getallips

micro-frontend

Ingress   http://k8s.lin.../app

service-name

Service   [80]   30333 [nodePort]

[port]

[targetPort] 80

Deployment

Replica Set

Pod [80] [containerPort]

Pod [80] [containerPort]

Pod [80] [containerPort]

Pod   busybox

micro-backend

Ingress   http://k8s.lin.../api.*

service-name

Service   [80]   30222 [nodePort]

[port]

[targetPort] 8000

Deployment

Replica Set

Pod [8000] [containerPort]   Flask

Pod [8000] [containerPort]   Flask

Pod [8000] [containerPort]   Flask

PostgreSQL HELM CHART