Configuring
Ingress-Controller

INGRESS

```
# kubectl apply -f https://raw.githubusercontent.com/kubernetes/ingress-nginx/master/deploy/static/mandatory.yaml
```

```
namespace/ingress-nginx created
configmap/nginx-configuration created
configmap/tcp-services created
configmap/udp-services created
serviceaccount/nginx-ingress-serviceaccount created
clusterrole.rbac.authorization.k8s.io/nginx-ingress-clusterrole created
role.rbac.authorization.k8s.io/nginx-ingress-role created
rolebinding.rbac.authorization.k8s.io/nginx-ingress-role-nisa-binding created
clusterrolebinding.rbac.authorization.k8s.io/nginx-ingress-clusterrole-nisa-binding created
deployment.apps/nginx-ingress-controller created
```

```
# kubectl get namespaces
```

```
NAME              STATUS    AGE
default           Active    15d
ingress-nginx     Active    5m33s
kube-node-lease   Active    15d
kube-public       Active    15d
kube-system       Active    15d
```

```
# kubectl get deploy nginx-ingress-controller -n ingress-nginx -o wide
```

```
NAME                       READY   UP-TO-DATE   AVAILABLE   AGE     CONTAINERS                 IMAGES
SELECTOR
nginx-ingress-controller   1/1     1            1           10m     nginx-ingress-controller   quay.io/kubernetes-
ingress-controller/nginx-ingress-controller:0.26.1    app.kubernetes.io/name=ingress-nginx,app.kubernetes.io/part-
of=ingress-nginx
```

```
# kubectl get pods -n ingress-nginx
```

```
NAME                                        READY   STATUS    RESTARTS   AGE
nginx-ingress-controller-568867bf56-qgkgm   1/1     Running   0          13m
```

INGRESS

`ingress-nginx-service-loadbalancer.yaml`

```yaml
kind: Service
apiVersion: v1
metadata:
  name: ingress-nginx
  namespace: ingress-nginx
  labels:
    app.kubernetes.io/name: ingress-nginx
    app.kubernetes.io/part-of: ingress-nginx
spec:
  externalTrafficPolicy: Local
  type: LoadBalancer
  selector:
    app.kubernetes.io/name: ingress-nginx
    app.kubernetes.io/part-of: ingress-nginx
  ports:
    - name: http
      port: 80
      targetPort: http
    - name: https
      port: 443
      targetPort: https
```

```
# kubectl create -f nginx-service.yaml
```

```
service/ingress-nginx created
```

```
# kubectl get service -n ingress-nginx
```

```
NAME            TYPE           CLUSTER-IP       EXTERNAL-IP      PORT(S)                       AGE
ingress-nginx   LoadBalancer   10.101.228.213   35.232.171.182   80:32137/TCP,443:30109/TCP    5m53s
```