

Running Multiple Ingress Controller

If we need multiple ingress controller then we have to use ingress class for that. We need to deploy ingress controller with a specific class name and later in ingress file we can give the annotation as ingress class.

For eg.

```
apiVersion: extensions/v1beta1
kind: Deployment
metadata:
  name: nginx-ingress-controller
  namespace: ingress-nginx
spec:
  replicas: 1
  selector:
    matchLabels:
      app: ingress-nginx
  template:
    metadata:
      labels:
        app: ingress-nginx
      annotations:
        prometheus.io/port: '10254'
        prometheus.io/scrape: 'true'
    spec:
      serviceAccountName: nginx-ingress-serviceaccount
      containers:
        - name: nginx-ingress-controller
          image:
            quay.io/kubernetes-ingress-controller/nginx-ingress-controller:0.9.0
          args:
            - /nginx-ingress-controller
            -
            --default-backend-service=$(POD_NAMESPACE)/default-http-backend
            - --configmap=$(POD_NAMESPACE)/nginx-configuration
            - --tcp-services-configmap=$(POD_NAMESPACE)/tcp-services
            - --udp-services-configmap=$(POD_NAMESPACE)/udp-services
            - --annotations-prefix=nginx.ingress.kubernetes.io
            - --ingress-class=google-nginx
```

Note: Rest of the content is truncated

In the above deployment file of ingress controller, we have passed an argument as

--ingress-class=google-nginx

So this ingress controller will belong to class google-nginx.

Now if we have to create another ingress controller then we have to give another class name means other than google-nginx.

Now to assign an ingress to a specific ingress controller then you have to pass the ingress class like below.

```
apiVersion: extensions/v1beta1
kind: Ingress
metadata:
  namespace: ingress-nginx
  annotations:
    kubernetes.io/ingress.class: google-nginx
  name: google-nginx-aggregator
spec:
  rules:
  - host: googlenginx.awwstar.com
    http:
      paths:
      - backend:
          serviceName: tea-svc
          servicePort: 80
        path: /tea
```

So in this way you can run multiple ingress controller and assign the ingress to them.