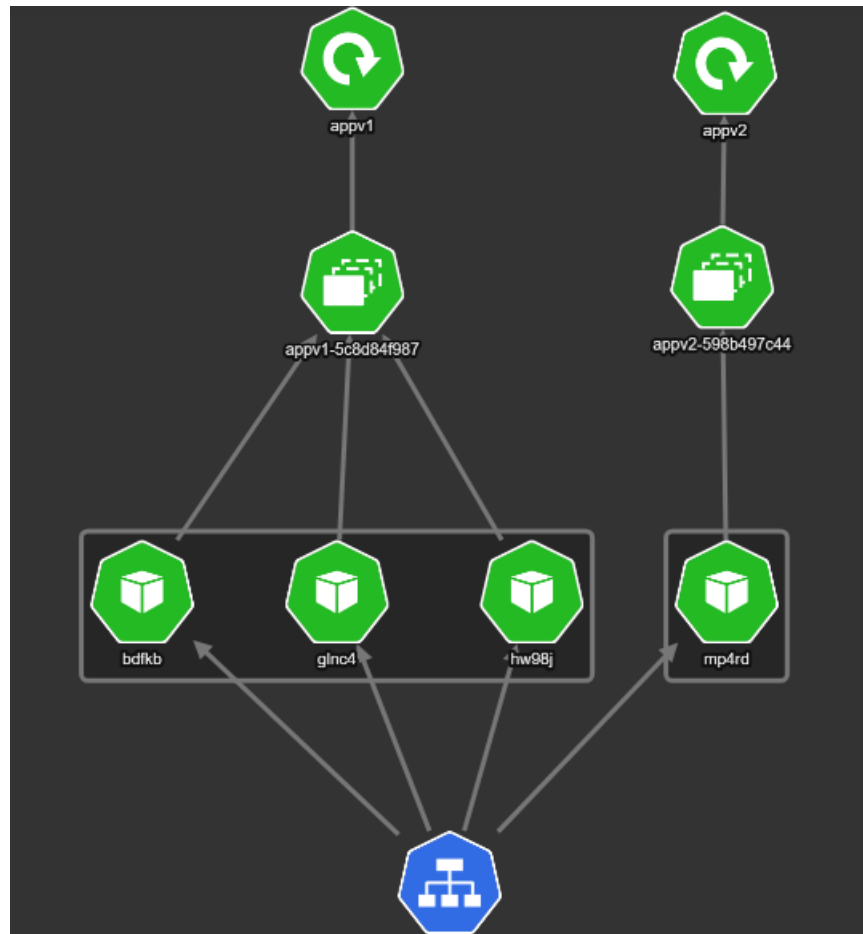


Canary Deployment



→ ↻ ⚠ Not secure 192.168.88.143:30003

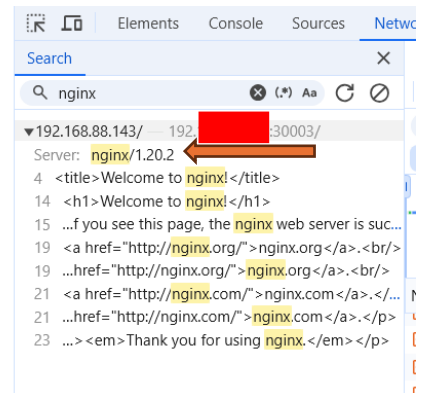
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Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

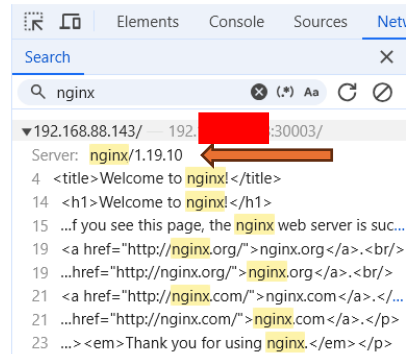


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```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: appv1
  labels:
    canary: app
spec:
  replicas: 3
  selector:
    matchLabels:
      canary: app
  template:
    metadata:
      labels:
        canary: app
    spec:
      containers:
        - name: appv1
          image: nginx:1.19
```

```
adham@master:/adhamk8s$ vim appv1.yml
'adham@master:/adhamk8s$
adham@master:/adhamk8s$ kubectl apply -f appv1.yml
deployment.apps/appv1 created
adham@master:/adhamk8s$
```

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: appv2
  labels:
    canary: app
spec:
  replicas: 1
  selector:
    matchLabels:
      canary: app
  template:
    metadata:
      labels:
        canary: app
    spec:
      containers:
        - name: appv2
          image: nginx:1.20
```

```
adham@master:/adhamk8s$ vim appv2.yml
adham@master:/adhamk8s$
adham@master:/adhamk8s$ kubectl apply -f appv2.yml
deployment.apps/appv2 created
adham@master:/adhamk8s$
```

```
adham@master:/adhamk8s$ kubectl get deploy
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
anti          4/4     4            4           97m
appv1         3/3     3            3           61m
appv2         1/1     1            1           2m5s
auto-deploy   4/4     4            4           4d23h
dep-ing       3/3     3            3           26h
deploy-web    3/3     3            3           5d1h
kubeview      1/1     1            1           6d
rollout-deploy 3/3     3            3           4d7h
adham@master:/adhamk8s$
```

```
apiVersion: v1
kind: Service
metadata:
  name: svc
spec:
  type: NodePort
  selector:
    canary: app
  ports:
    - protocol: TCP
      port: 6666
      targetPort: 80
      nodePort: 30003
```

```
adham@master:/adhamk8s$ vim canary-svc.yml
adham@master:/adhamk8s$
adham@master:/adhamk8s$ kubectl apply -f canary-svc.yml
service/svc created
adham@master:/adhamk8s$
```

```
adham@master:/adhamk8s$ kubectl get svc
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	6d21h
kubeview	LoadBalancer	10.96.0.2	<pending>	80:31262/TCP	6d
service-ing	NodePort	10.99.0.1	<none>	8889:31000/TCP	26h
service2	NodePort	10.100.0.1	<none>	8088:30001/TCP	5d1h
svc	NodePort	10.98.0.1	<none>	6666:30003/TCP	18s
web-service	NodePort	10.100.0.1	<none>	4444:30000/TCP	6d2h

```
adham@master:/adhamk8s$
```

```
adham@node1:~$ kubectl get pod
```

NAME	READY	STATUS	RESTARTS	AGE
anti-54c6bff586-76wnf	1/1	Running	0	102m
anti-54c6bff586-dlzht	1/1	Running	0	102m
anti-54c6bff586-jqt5b	1/1	Running	0	102m
anti-54c6bff586-xbz9z	1/1	Running	0	102m
appv1-5c8d84f987-bdfkb	1/1	Running	0	66m
appv1-5c8d84f987-glnc4	1/1	Running	0	66m
appv1-5c8d84f987-hw98j	1/1	Running	0	66m
appv2-598b497c44-mp4rd	1/1	Running	0	6m22s
auto-deploy-6bcd5d77b-264k7	1/1	Running	2 (173m ago)	24h
auto-deploy-6bcd5d77b-2wkj5	1/1	Running	2 (173m ago)	24h
auto-deploy-6bcd5d77b-cx6zh	1/1	Running	2	24h
auto-deploy-6bcd5d77b-w6bhs	1/1	Running	2 (173m ago)	24h
dep-ing-79bf94fd84-7cpqv	1/1	Running	2 (173m ago)	24h
dep-ing-79bf94fd84-kllfc	1/1	Running	2 (173m ago)	24h
dep-ing-79bf94fd84-m8ngw	1/1	Running	2 (173m ago)	24h
deploy-web-6498fd9b8c-k952b	1/1	Running	2 (173m ago)	24h
deploy-web-6498fd9b8c-qpk22	1/1	Running	2 (173m ago)	24h
deploy-web-6498fd9b8c-rd7lp	1/1	Running	2 (173m ago)	24h
kubeview-78dd597bd8-gswkz	1/1	Running	2 (173m ago)	24h
podaff	1/1	Running	2 (173m ago)	23h
rollout-deploy-7647484798-9stjn	1/1	Running	2 (173m ago)	24h
rollout-deploy-7647484798-fqtkd	1/1	Running	2 (173m ago)	24h
rollout-deploy-7647484798-tp6vl	1/1	Running	2 (173m ago)	24h

```
adham@node1:~$ █
```