

Kubernetes

dashboard-adminusr.yaml

```
1  apiVersion: v1
2  kind: ServiceAccount
3  metadata:
4    name: admin-user
5    namespace: kubernetes-dashboard
6  ---
7  apiVersion: v1
8  kind: Secret
9  metadata:
10   name: admin-user-token
11   namespace: kubernetes-dashboard
12   annotations:
13     kubernetes.io/service-account.name: admin-user
14   type: kubernetes.io/service-account-token
15  ---
16  ---
17  apiVersion: rbac.authorization.k8s.io/v1
18  kind: ClusterRoleBinding
19  metadata:
20    name: admin-user
21  roleRef:
22    apiGroup: rbac.authorization.k8s.io
23    kind: ClusterRole
24    name: cluster-admin
25  subjects:
26  - kind: ServiceAccount
27    name: admin-user
28    namespace: kubernetes-dashboard
```

flask-deployment.yaml

```
1  apiVersion: apps/v1
2  kind: Deployment
3  metadata:
4    name: flask-app
5
6  spec:
7    replicas: 3
8    selector:
9      matchLabels:
10       app: flask-app
11    template:
12      metadata:
13        labels:
14          app: flask-app
15
16      spec:
17        containers:
18        - name: flask-app-container
19          image: flask-app-testing
20          imagePullPolicy: Never
21          ports:
22            - containerPort: 5000
23            protocol: TC
```

flask-ingress.yaml

```
1  apiVersion: networking.k8s.io/v1
2  kind: Ingress
3  metadata:
4    name: flask-app-ingress
5    annotations:
6      kubernetes.io/ingress.class: nginx
7      nginx.ingress.kubernetes.io/ssl-redirect: "false"
8
9  spec:
10   # ingressClassName: nginx
11   rules:
12     - http:
13       paths:
14         - backend:
15             service:
16               name: flask-app-service
17             port:
18               number: 5000
19         path: /
20         pathType: Prefix
```

flask-service.yaml

```
1  apiVersion: v1
2  kind: Service
3  metadata:
4    name: flask-app-service
5  spec:
6    type: ClusterIP
7    ports:
8      - port: 5000
9    selector:
10      app: flask-app
```