

Kubernetes

Dashboard



Kubernetes Dashboard

1. Kubernetes Dashboard

```
#  Dashboard ( Kubernetes v1.22+)
```

```
kubectl apply -f https://raw.githubusercontent.com/kubernetes/dashboard/v2.7.0/aio/deploy/recommended.yaml
```

2.



`dashboard-adminuser.yaml`

```
apiVersion: v1
kind: ServiceAccount
metadata:
  name: admin-user
  namespace: kubernetes-dashboard
---
apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRoleBinding
metadata:
  name: admin-user
roleRef:
  apiGroup: rbac.authorization.k8s.io
  kind: ClusterRole
  name: cluster-admin
subjects:
- kind: ServiceAccount
  name: admin-user
  namespace: kubernetes-dashboard
```

□□□□

```
kubectl apply -f dashboard-adminuser.yaml
```

□□□□□□□□

```
# □□□□□□
cat <<EOF | kubectl apply -f -
apiVersion: v1
kind: ServiceAccount
metadata:
  name: admin-user
  namespace: kubernetes-dashboard
EOF

# □□□□
cat <<EOF | kubectl apply -f -
apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRoleBinding
metadata:
  name: admin-user
roleRef:
  apiGroup: rbac.authorization.k8s.io
  kind: ClusterRole
  name: cluster-admin
subjects:
- kind: ServiceAccount
  name: admin-user
  namespace: kubernetes-dashboard
EOF
```

3. □□□□□□□□

```
kubectl -n kubernetes-dashboard create token admin-user
```

□□□□□□□□

Token□□□□□□□□

4. Dashboard



```
kubectl proxy  
kubectl proxy &
```



http://localhost:8001/api/v1/namespaces/kubernetes-dashboard/services/https:kubernetes-dashboard:/proxy/



NodePort



```
kubectl -n kubernetes-dashboard patch svc kubernetes-dashboard -p '{"spec":{"type":"NodePort"}}'
```



```
kubectl get svc -n kubernetes-dashboard  
kubectl -n kubernetes-dashboard get svc
```








```
https://<IP>:<NodePort>
```



URL

```
minikube service kubernetes-dashboard -n kubernetes-dashboard --url
```

5. Dashboard

1.  **Token** 
2.  3
3. 

6.

HTTPS Ingress

☐☐ Ingress ☐☐☐

```
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: dashboard-ingress
  namespace: kubernetes-dashboard
  annotations:
    nginx.ingress.kubernetes.io/backend-protocol: "HTTPS"
    nginx.ingress.kubernetes.io/ssl-passthrough: "true"
spec:
  ingressClassName: nginx
  tls:
  - hosts:
    - dashboard.example.com
    secretName: dashboard-tls
  rules:
  - host: dashboard.example.com
    http:
      paths:
      - path: /
        pathType: Prefix
        backend:
          service:
            name: kubernetes-dashboard
            port:
              number: 443
```

☐☐☐☐ IP

```
kubectl -n kubernetes-dashboard edit svc kubernetes-dashboard
```

```
☐☐ spec.loadBalancerSourceRanges ☐☐☐☐☐☐ IP☐
```

7. ☐☐ Dashboard

```
kubectl delete -f
https://raw.githubusercontent.com/kubernetes/dashboard/v2.7.0/aio/deploy/recommended.yaml
kubectl delete sa admin-user -n kubernetes-dashboard
```

```
kubectl delete clusterrolebinding admin-user
kubectl delete -f dashboard-adminuser.yaml
```

1 Minikube **

```
minikube addons disable dashboard
```

Dashboard



1 Token

1 2

```
kubectl -n kubernetes-dashboard create token admin-user --duration=24h #
```

ServiceAccount ClusterRoleBinding

```
kubectl get sa -n kubernetes-dashboard
kubectl get clusterrolebinding admin-user
```

2

```
sudo ufw allow 6443/tcp # NodePort
```

kubectl proxy Minikube

```
minikube status
```

3

```
openssl req -x509 -nodes -days 365 -newkey rsa:2048 \
-keyout dashboard.key -out dashboard.crt -subj "/CN=dashboard.example.com"
kubectl -n kubernetes-dashboard create secret tls dashboard-tls --key=dashboard.key --cert=dashboard.crt
```


args --enable-insecure-login

args:

```
--auto-generate-certificates  
--enable-insecure-login #
```

Service HTTP

```
kubectl -n kubernetes-dashboard edit service kubernetes-dashboard
```

targetPort: 8443 targetPort: 9090

Revision #12

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