

# Kubernetes Yaml Templates

## KUBERNETES

- PDF Link: [kubernetes-yaml-templates.pdf](#)
- Blog URL: <https://cheatsheet.dennyzhang.com/kubernetes-yaml-templates>
- Category: kubernetes

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## 1.1 Yaml Templates

Note: for each yaml in below, you can find a related URL at the top.

e.g, here is an example

### 1.1.1 Pod

Name	Summary
Pod: basic	pod/pod-dummy.yaml, pod/pod-nginx.yaml
Pod: enable http healthcheck	pod/pod-healthcheck-nginx.yaml
Pod: sidecar with git clone	pod/pod-gitclone.yaml
Pod: add alias to /etc/hosts	pod/pod-hostaliases.yaml
Pod's events whenever it get started or stoppped	pod/pod-handlers.yaml

### 1.1.2 Storage

Name	Summary
Use local volume	storage/pod-volume-empty-redis.yaml
volume: mysql	storage/pv-mysql.yaml
Mount k8s worker node's /var/run to a Pod	storage/volume-mount-localpath.yaml
Use minikube storage	statefulset/statefulset-replicated-cassandra.yaml

### 1.1.3 Security

Name	Summary
Serviceaccount: basic usage	security/serviceaccount-default.yaml
Pod security: prohibit pod with --privileged	security/podsecurity-no-privileged.yaml
Pod security: advanced usage	security/podsecurity-advanced.yaml
Network security: Whitelist traffic control	security/networksecurity-pod.yaml
Network security: Allow all ingress	security/networksecurity-denyall-ingress.yaml
Network security: Deny all ingress	security/networksecurity-allowall-ingress.yaml
Network security: Deny all ingress and egress	security/networksecurity-denyall.yaml
Network security: a comprehensive example	security/networksecurity-complicated.yaml

### 1.1.4 Resource Segregation

Name	Summary
LimitRange: PVC size	quota/limitrange-pvc-size.yaml
ResourceQuota: pvc count and storage size	quota/limitrange-pvc-cumulative-size.yaml

### 1.1.5 Deployment

Name	Summary
Deploy nginx with 2 replicas	deployment/deployment-nginx.yaml
Deploy mysql	deployment/deployment-mysql.yaml

### 1.1.6 Statefulset

Name	Summary
Statefulset: nginx	statefulset/statefulset-nginx.yaml
Statefulset: mysql	statefulset/statefulset-single-mysql
Statefulset: single cassandra	statefulset/statefulset-replicated-cassandra.yaml
Statefulset: cassandra with replicas	statefulset/statefulset-replicated-mysql

### 1.1.7 Service

Name	Summary
Service: nginx with clusterip	service/service-clusterip-nginx.yaml
Service: cassandra	service/service-cassandra.yaml

## 1.2 More Resources

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