

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 <code>/etc/hosts</code>	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 <code>/var/run</code> 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 <code>--privileged</code>	security/podsecurity-no-priviledged.yaml
Pod security: advanced usage	security/podsecurity-advanced.yaml

1.1.4 Security - NetworkPolicy

Name	Summary
GitHub network policy examples	GitHub Repo: ahmetb/kubernetes-network-policy-recipes
Allow all ingress	security/networksecurity-denyall-ingress.yaml
Deny all ingress	security/networksecurity-allowall-ingress.yaml
Deny all ingress and egress	security/networksecurity-denyall.yaml
Whitelist traffic control	security/networksecurity-pod.yaml
A comprehensive network policy example	security/networksecurity-complicated.yaml
Allow TCP 443 from one namespace	security/networksecurity-port.yaml
Deny all ingress traffic from other namespaces	security/networksecurity-deny-othernamespaces.yaml
Deny all egress traffic except DNS	security/networksecurity-denyegress-exceptdns.yaml

1.1.5 Resource Segregation

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

1.1.6 Deployment

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

1.1.7 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

1.1.8 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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