k8s学习笔记

链接：

<https://www.yuque.com/leifengyang/oncloud/ghnb83>

# 获取控制台访问令牌

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| --- |
| kubectl -n kubernetes-dashboard get secret $(kubectl -n kubernetes-dashboard get sa/admin-user -o jsonpath="{.secrets[0].name}") -o go-template="{{.data.token | base64decode}}" |

# **pod故障排查/监控**

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| --- |
| kubectl -n troubleshooting describe pod [podname]  kubectl describe pod [podname]  Kubectl get pod -w 监控 |

# **命令创建/删除namespace**

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| --- |
| kubectl create ns hello  kubectl delete ns hello  yaml创建/删除  kubectl apply -f xxx.yaml  kubectl delete -f xxx.yaml |

# **创建容器**

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| --- |
| kubectl run mynginx --image=nginx |

# **pod操作**

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| --- |
| # 查看default名称空间的Pod  kubectl get pod  # 描述  kubectl describe pod [podname]  # 删除  kubectl delete pod [podname]  # 查看Pod的运行日志  kubectl logs [podname]  # 每个Pod - k8s都会分配一个ip  kubectl get pod -owide --namespace=hello  # 使用Pod的ip+pod里面运行容器的端口  curl 192.168.169.136 |

# **pod创建多个容器**

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| --- |
| apiVersion: v1  kind: Pod  metadata:  labels:  run: joyapp  name: joyapp  namestace: hello  spec:  containers:  - image: nginx  name: nginx  - image: tomcat:8.5.68  name: tomcat |

# **进入容器**

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| --- |
| kubectl exec -it mynginx -- /bin/bash |

# **Deployment自愈能力**

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| --- |
| kubectl run mynginx --image=nginx (kubectl delete pod mynginx 可以删除)  kubectl create deployment mytomcat --image=tomcat:8.5.68 (kubectl delete pod mynginx 无法删除，删除后会自动启动新pod， kubectl delete deploy mytomcat彻底删除) |

# **多副本**

|  |
| --- |
| kubectl create deployment my-dep --image=nginx --replicas=3 |
| apiVersion: apps/v1  kind: Deployment  metadata:  labels:  app: my-dep  name: my-dep  spec:  replicas: 3  selector:  matchLabels:  app: my-dep  template:  metadata:  labels:  app: my-dep  spec:  containers:  - image: nginx  name: nginx |

# **扩缩容**

|  |
| --- |
| kubectl scale --replicas=5 deployment/my-dep  或  kubectl edit deployment my-dep  #修改 replicas |

# **自愈&故障转移**

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| --- |
| Pod中container停止后会尝试重启，重启成功不做转移，否则转移到别的服务汇总 |