

1.1 DaemonSet 实验手册

1.1.1 使用 DaemonSet

步骤 1 创建文件夹，用于保存 DaemonSet 和 Job 文件。

```
[root@k8s-master ~]# mkdir /labfile/djfile
[root@k8s-master ~]# cd /labfile/djfile/
```

步骤 2 创建 DaemonSet 的 yaml 文件。

```
[root@k8s-master djfile]# vim DS-nginx.yaml
```

```
apiVersion: apps/v1
kind: DaemonSet
metadata:
  name: nginx-daemonset
spec:
  selector:
    matchLabels:
      app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
        - name: nginx
          image: nginx:1.7.9
          ports:
            - containerPort: 80
```

步骤 3 创建 DaemonSet

```
[root@k8s-master djfile]# kubectl apply -f DS-nginx.yaml
```

```
daemonset.apps/nginx-daemonset created
```

步骤 4 查看创建的 DaemonSet

```
[root@k8s-master djfile]# kubectl get daemonset
```

NAME	DESIRED	CURRENT	READY	UP-TO-DATE	AVAILABLE	AGE
nginx-daemonset	3	3	3	3	3	87s

步骤 5 查看 DaemonSet 中 Pod 状态

```
[root@k8s-master djfile]# kubectl get pod -o wide
```

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE
nginx-daemonset-4xbw9	1/1	Running	0	13s	10.244.1.61	k8s-master

步骤 6 删除任意一个 pod，查看 DaemonSet 自动恢复功能。

```
[root@k8s-master djfile]# kubectl delete pod nginx-daemonset-4xbw9 (根据实际情况修改 pod 名称)
```

```
[root@k8s-master djfile]# kubectl get pod -o wide
```

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE
nginx-daemonset-9s6dd	1/1	Running	0	14m	10.244.1.61	k8s-master