

# [3] Static Pod

通过 kubectl 命令可以在 API 服务器上创建 Static Pod，API 服务器会自动管理。

在 kubelet 上运行。

## Static Pod

- Configure kubelet hosting to start a pod on the node
- TASK:
  - node: hk8s-w1
  - pod Name: web
  - image: nginx



```
# image nginx 运行 web pod 的 yaml 文件
[user@console ~]$ kubectl run web --image=nginx --dry-run=client -o yaml
apiVersion: v1
kind: Pod
metadata:
  creationTimestamp: null
  labels:
    run: web
  name: web
spec:
  containers:
  - image: nginx
    name: web
    resources: {}
  dnsPolicy: ClusterFirst
  restartPolicy: Always
Status: {}

# hk8s-w1 上运行
```

```
[user@console ~]$ ssh hk8s-w1

# root[ ] [ ]
[user@hk8s-w1 ~]$ sudo -i

# kubelet[ ] config [ ] [ ]
# [ ] Pod [ ] /etc/kubernetes/manifests [ ] [ ] [ ] [ ] [ ] [ ]
[root@hk8s-w1 ~]# cat /var/lib/kubelet/config.yaml
staticPodPath: /etc/kubernetes/manifests

[root@hk8s-w1 ~]# cd /etc/kubernetes/manifests

[root@hk8s-w1 manifests]# ls

# [ ] [ ] [ ] [ ] yml [ ] [ ] [ ] [ ] [ ] [ ]
[root@hk8s-w1 manifests]# vi web-pod.yaml
apiVersion: v1
kind: Pod
metadata:
  name: web
spec:
  containers:
  - image: nginx
    name: web

:wq

# [ ] [ ] [ ] [ ] node[ ] [ ] kubelet[ ] pod[ ] [ ] [ ].
# [ ] [ ] [ ] [ ] pod[ ] [ ] [ ] [ ].

[root@hk8s-w1 manifests]# exit

[user@hk8s-w1 manifests]$ exit

[user@console ~]$ kubectl get pods
web-hk8s-w1 [ ] [ ] pod[ ] [ ] [ ] [ ]
```

0000 (600)

Configure the kubelet systemd- managed service, on the node labelled with name=wk8s -node-1, to launch a pod containing a single container of Image httpd named webtool automatically. Any spec files required should be placed in the /etc/kubernetes/manifests directory on the node

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```
ssh wk8s-node-1
```

```
cat /var/lib/kubelet/config.yaml
```

```
--> ☐ staticPodPath ☐ /etc/kubernetes/manifests ☐ ☐ ☐ ☐
```

```
cd /etc/kubernetes/manifests
```

```
kubectrl run webtool --image=httpd --dry-run=client -o yamlvi webtool-pod.yaml
```

```
apiVersion: v1
```

```
kind: Pod
```

```
metadata:
```

```
  creationTimestamp: null
```

```
  labels:
```

```
    name: wk8s-node-1
```

```
  name: webtool
```

```
spec:
```

```
  containers:
```

```
    - image: httpd
```

```
      name: webtool
```

```
      resources: {}
```

```
  dnsPolicy: ClusterFirst
```

```
  restartPolicy: Always
```

```
status: {}
```

```
:wq
```

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