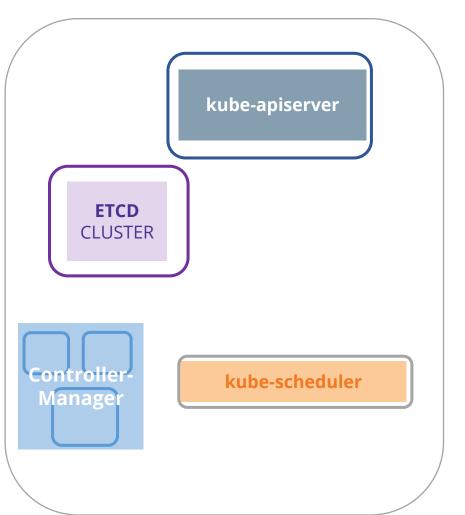


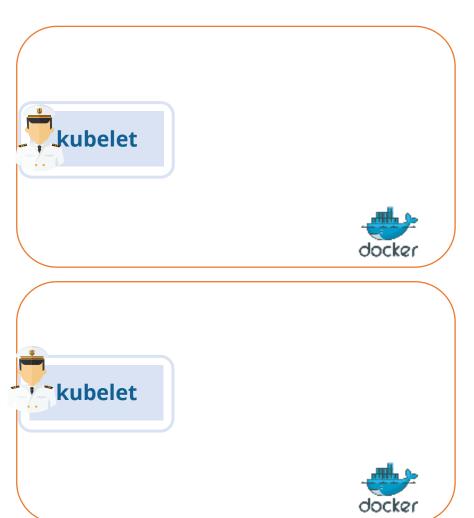


Kubernetes Architecture



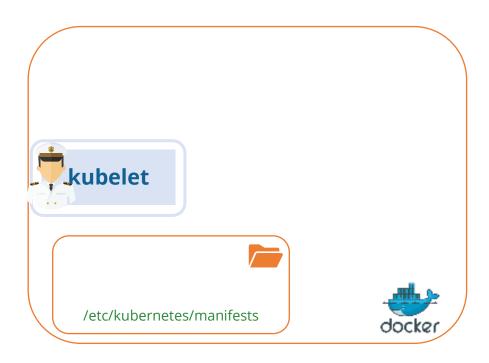




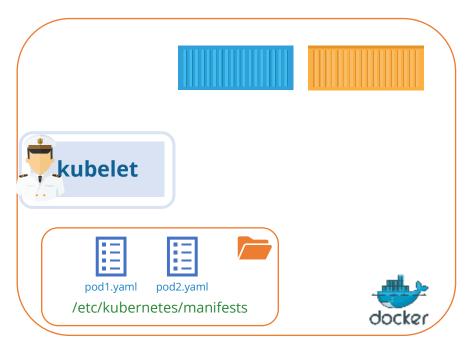




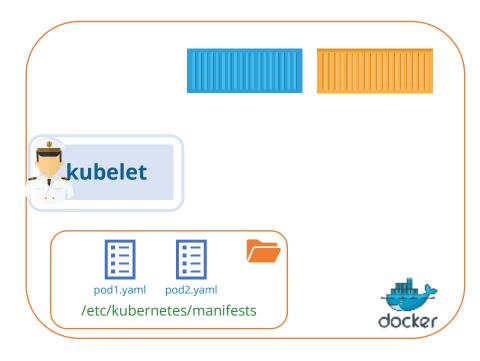








kubelet.service



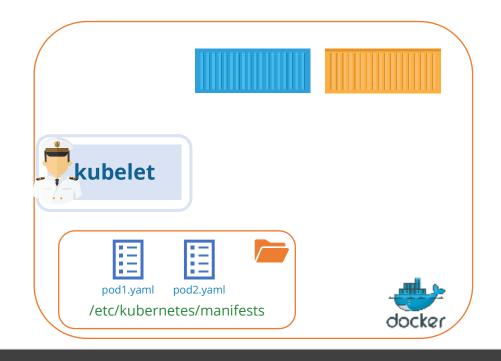
kubelet.service

```
ExecStart=/usr/local/bin/kubelet \\
--container-runtime=remote \\
--container-runtime-endpoint=unix:///var/run/containerd/containerd.sock \\
--config=kubeconfig.yaml \\
--kubeconfig=/var/lib/kubelet/kubeconfig \\
--network-plugin=cni \\
--register-node=true \\
--v=2
```

kubeconfig.yaml

staticPodPath: /etc/kubernetes/manifes





docker ps				
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
PORTS	NAMES			
8e5d4c4db7b6	busybox	"sh -c 'echo Hello K…"	20 seconds ago	Up 20 seconds
k8s_myapp-container_myapp-pod-host01_default_48e37fb432f2e06350e76786bd0bac66_0				
f6737e1149cb	k8s.gcr.io/pause:3.1	"/pause"	24 seconds ago	Up 23 seconds
k8s_POD_myapp-pod-host01_default_48e37fb432f2e06350e76786bd0bac66_0				



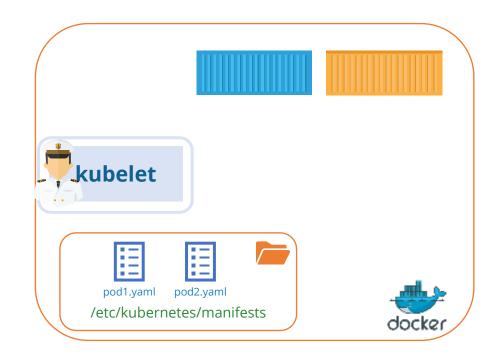


kube-apiserver

ETCD CLUSTER



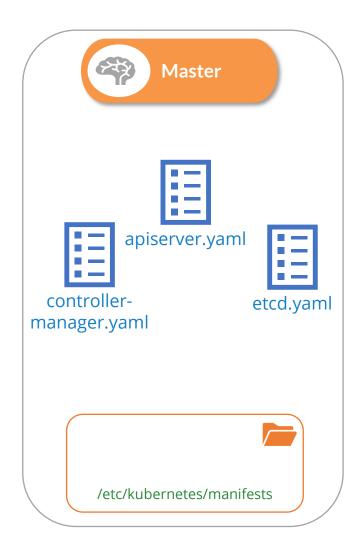
kube-scheduler

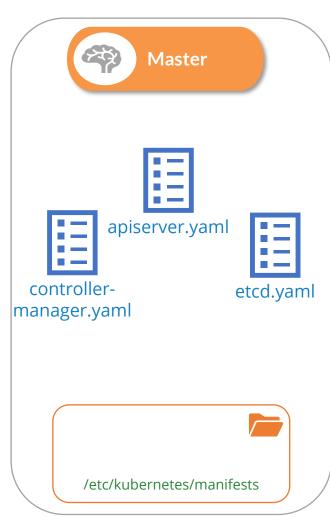


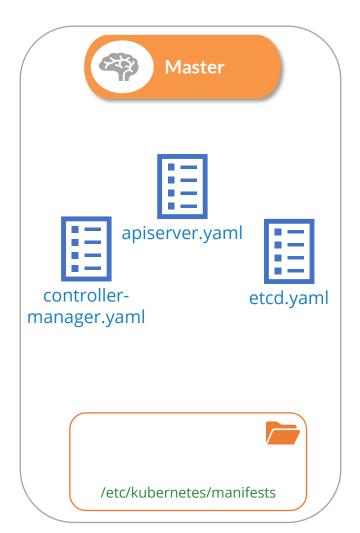
kubectl get	pods		
NAME static-web- <mark>node01</mark>		STATUS ContainerCreating	AGE 29s



Use Case

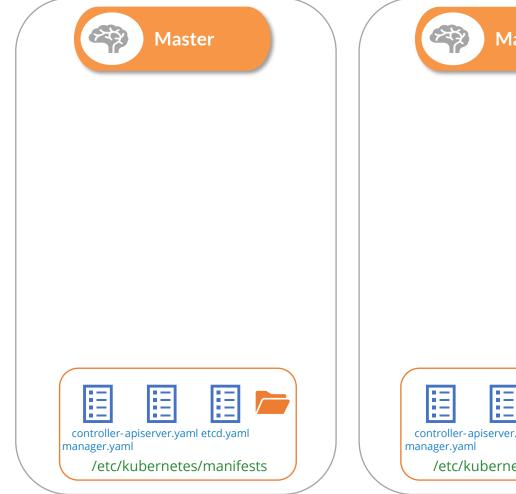








Use Case









Use Case

kubectl get pods -n kube-system					
NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE
kube-system	coredns-78fcdf6894-hwrq9	1/1	Running	0	16 m
kube-system	coredns-78fcdf6894-rzhjr	1/1	Running	0	16 m
kube-system	etcd-master	1/1	Running	0	1 5m
kube-system	kube-apiserver-master	1/1	Running	0	1 5m
kube-system	kube-controller-manager-master	1/1	Running	0	1 5m
kube-system	kube-proxy-lzt6f	1/1	Running	0	16 m
kube-system	kube-proxy-zm5qd	1/1	Running	0	1 6m
kube-system	kube-scheduler-master	1/1	Running	0	1 5m
kube-system	weave-net-29z42	2/2	Running	1	16 m
kube-system	weave-net-snmdl	2/2	Running	1	1 6m -



Static PODs vs DaemonSets

Static PODs	DaemonSets	
Created by the Kubelet	Created by Kube-API server (DaemonSet Controller)	
Deploy Control Plane components as Static Pods	Deploy Monitoring Agents, Logging Agents on nodes	
Ignored by the Kube-Scheduler		

