



my-scheduler-2

```
my-scheduler-2-config.yaml
apiVersion: kubescheduler.config.k8s.io/v1
kind: KubeSchedulerConfiguration
profiles:
- schedulerName: my-scheduler-2
```

my-scheduler

```
my-scheduler-config.yaml
apiVersion: kubescheduler.config.k8s.io/v1
kind: KubeSchedulerConfiguration
profiles:
- schedulerName: my-scheduler
```

default-scheduler

```
scheduler-config.yaml
apiVersion: kubescheduler.config.k8s.io/v1
kind: KubeSchedulerConfiguration
profiles:
- schedulerName: default-scheduler
```

Deploy Additional Scheduler

```
wget https://storage.googleapis.com/kubernetes-release/release/v1.12.0/bin/linux/amd64/kube-scheduler
```

kube-scheduler.service

```
ExecStart=/usr/local/bin/kube-scheduler \\  
--config=/etc/kubernetes/config/kube-scheduler.yaml
```

my-scheduler-2.service

```
ExecStart=/usr/local/bin/kube-scheduler \\  
--config=/etc/kubernetes/config/my-scheduler-2-config.yaml
```

my-scheduler-2-config.yaml

```
apiVersion: kubescheduler.config.k8s.io/v1  
kind: KubeSchedulerConfiguration  
profiles:  
- schedulerName: my-scheduler-2
```

my-scheduler.service

```
ExecStart=/usr/local/bin/kube-scheduler \\  
--config=/etc/kubernetes/config/my-scheduler-config.yaml
```

my-scheduler-config.yaml

```
apiVersion: kubescheduler.config.k8s.io/v1  
kind: KubeSchedulerConfiguration  
profiles:  
- schedulerName: my-scheduler
```

Deploy Additional Scheduler as a Pod

my-custom-scheduler.yaml

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: my-custom-scheduler  
  namespace: kube-system  
spec:  
  containers:  
  - command:  
    - kube-scheduler  
    - --address=127.0.0.1  
    - --kubeconfig=/etc/kubernetes/scheduler.conf  
    - --config=/etc/kubernetes/my-scheduler-config.yaml  
    image: k8s.gcr.io/kube-scheduler-amd64:v1.11.3  
    name: kube-scheduler
```

my-scheduler-config.yaml

```
apiVersion: kubescheduler.config.k8s.io/v1  
kind: KubeSchedulerConfiguration  
profiles:  
- schedulerName: my-scheduler
```

my-scheduler-config.yaml

```
apiVersion: kubescheduler.config.k8s.io/v1  
kind: KubeSchedulerConfiguration  
profiles:  
- schedulerName: my-scheduler  
leaderElection:  
  leaderElect: true  
  resourceNamespace: kube-system  
  resourceName: lock-object-my-scheduler
```

View Schedulers

```
kubectl get pods --namespace=kube-system
```

NAME	READY	STATUS	RESTARTS	AGE
coredns-78fcd6894-bk4m1	1/1	Running	0	1h
coredns-78fcd6894-ppr6m	1/1	Running	0	1h
etcd-master	1/1	Running	0	1h
kube-apiserver-master	1/1	Running	0	1h
kube-controller-manager-master	1/1	Running	0	1h
kube-proxy-dgbgv	1/1	Running	0	1h
kube-proxy-ftpbr	1/1	Running	0	1h
kube-scheduler-master	1/1	Running	0	1h
my-custom-scheduler	1/1	Running	0	9s
weave-net-4tfpt	2/2	Running	1	1h
weave-net-6j6zs	2/2	Running	1	1h

```
kubectl get pods --namespace=kube-system
```

NAME	READY	STATUS	RESTARTS	AGE
coredns-78fcd6894-bk4m1	1/1	Running	0	1h
coredns-78fcd6894-ppr6m	1/1	Running	0	1h
etcd-master	1/1	Running	0	1h
kube-apiserver-master	1/1	Running	0	1h
kube-controller-manager-master	1/1	Running	0	1h
kube-proxy-dgbgv	1/1	Running	0	1h
kube-proxy-ftpbr	1/1	Running	0	1h
kube-scheduler-master	1/1	Running	0	1h
my-custom-scheduler	1/1	Running	0	9s
weave-net-4tfpt	2/2	Running	1	1h
weave-net-6j6zs	2/2	Running	1	1h

pod-definition.yaml

```
apiVersion: v1
kind: Pod
metadata:
  name: nginx
spec:
  containers:
  - image: nginx
    name: nginx
  schedulerName: my-custom-scheduler
```

```
kubectl get events -o wide
```

LAST SEEN	COUNT	NAME	KIND	TYPE	REASON	SOURCE	MESSAGE
9s	1	nginx.15	Pod	Normal	Scheduled	my-custom-scheduler	Successfully assigned default/nginx to node01
8s	1	nginx.15	Pod	Normal	Pulling	kubelet, node01	pulling image "nginx"
2s	1	nginx.15	Pod	Normal	Pulled	kubelet, node01	Successfully pulled image "nginx"
2s	1	nginx.15	Pod	Normal	Created	kubelet, node01	Created container
2s	1	nginx.15	Pod	Normal	Started	kubelet, node01	Started container

```
kubectl logs my-custom-scheduler --name-space=kube-system
```

```
I0204 09:42:25.819338 1 server.go:126] Version: v1.11.3
W0204 09:42:25.822720 1 authorization.go:47] Authorization is disabled
W0204 09:42:25.822745 1 authentication.go:55] Authentication is disabled
I0204 09:42:25.822801 1 insecure_serving.go:47] Serving healthz insecurely on 127.0.0.1:10251
I0204 09:45:14.725407 1 controller_utils.go:1025] Waiting for caches to sync for scheduler controller
I0204 09:45:14.825634 1 controller_utils.go:1032] Caches are synced for scheduler controller
I0204 09:45:14.825814 1 leaderelection.go:185] attempting to acquire leader lease kube-system/my-custom-scheduler...
I0204 09:45:14.834953 1 leaderelection.go:194] successfully acquired lease kube-system/my-custom-scheduler
```