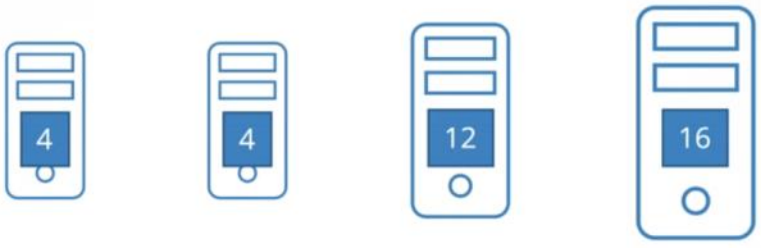
pod-definition.yaml

```yaml
apiVersion: v1
kind: Pod
metadata:
  name: simple-webapp-color
spec:
  priorityClassName: high-priority
  containers:
  - name: simple-webapp-color
    image: simple-webapp-color
    resources:
      requests:
        memory: "1Gi"
        cpu: 10
```

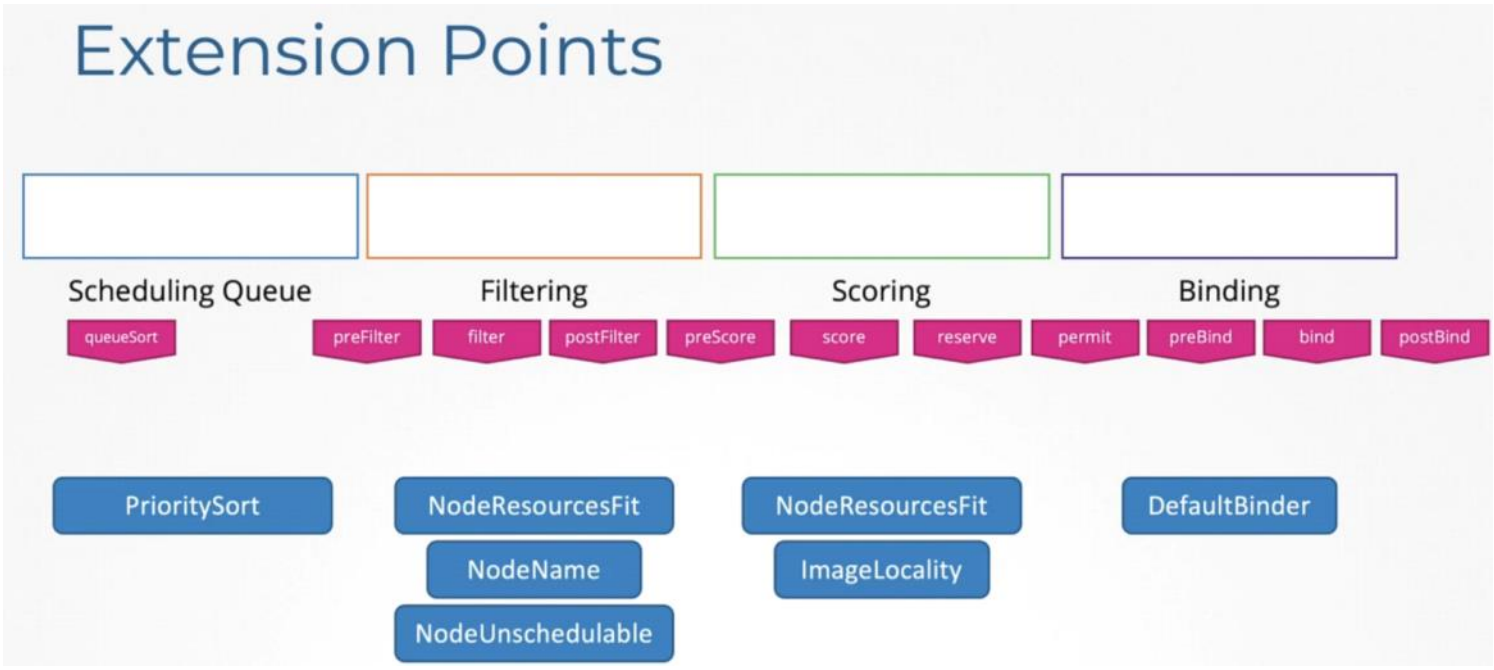
```yaml
apiVersion: scheduling.k8s.io/v1
kind: PriorityClass
metadata:
  name: high-priority
value: 1000000
globalDefault: false
description: "This priority class should be used for XYZ service pods only."
```

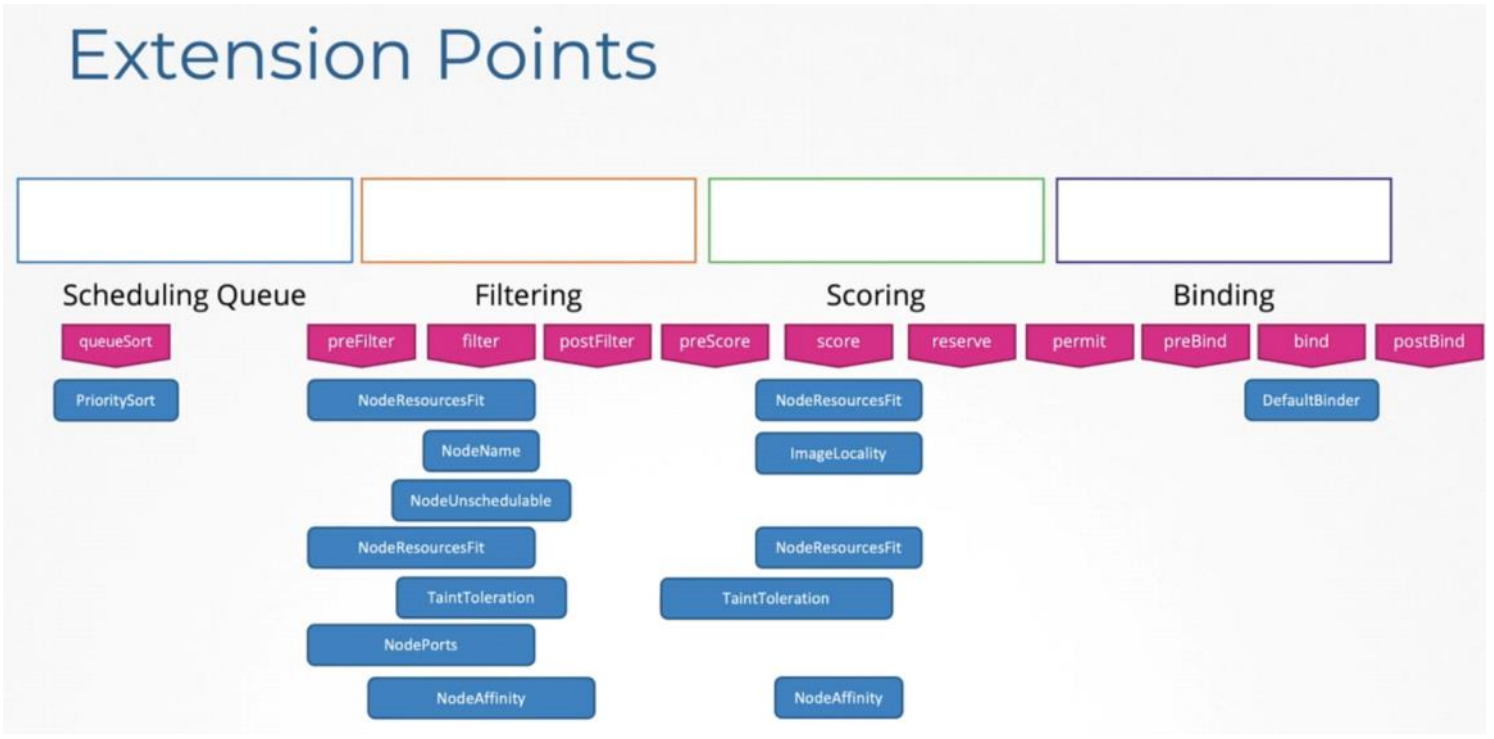
Scheduling Queue

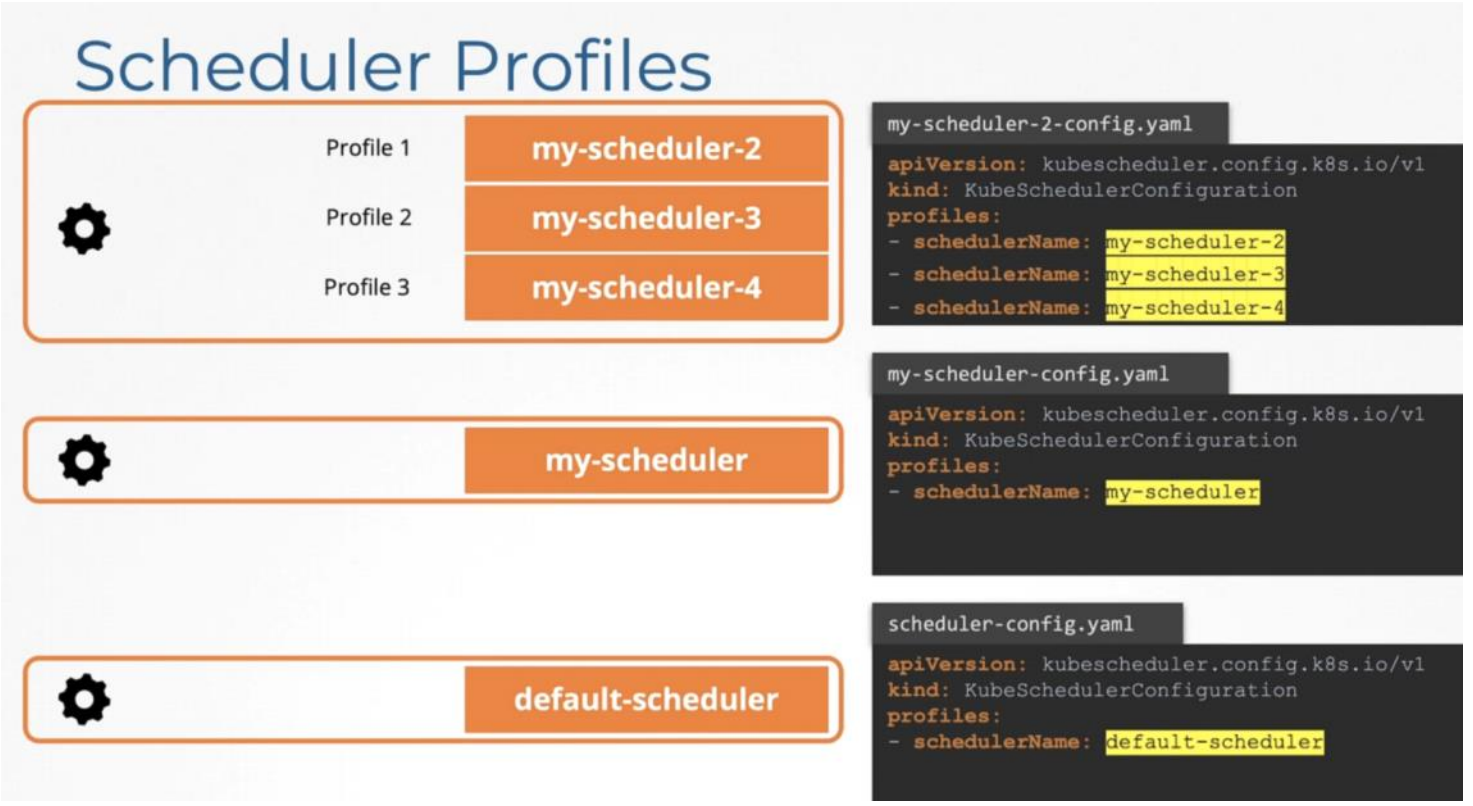


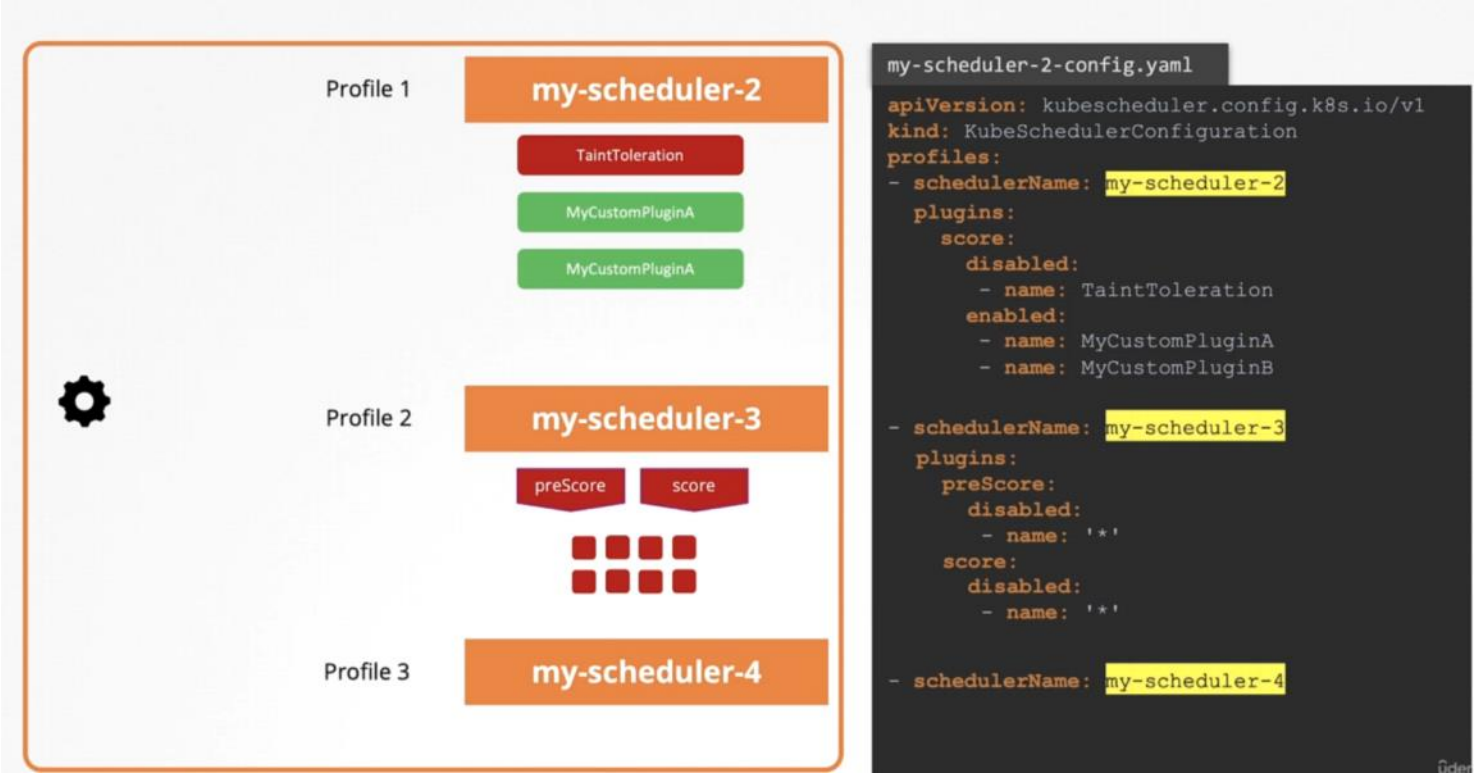
Scheduling Plugins

Scheduling Queue	Filtering	Scoring	Binding
PrioritySort	NodeResourcesFit	NodeResourcesFit	DefaultBinder
	NodeName	ImageLocality	
	NodeUnschedulable		


Extension Points
Scheduling Queue
Filtering
Scoring
Binding
queueSort
preFilter
filter
postFilter
preScore
score
reserve
permit
preBind
bind
postBind
PrioritySort
NodeResourcesFit
NodeName
NodeUnschedulable
NodeResourcesFit
ImageLocality
DefaultBinder


Extension Points
Scheduling Queue
Filtering
Scoring
Binding
queueSort
preFilter
filter
postFilter
preScore
score
reserve
permit
preBind
bind
postBind
PrioritySort
NodeResourcesFit
NodeName
NodeUnschedulable
NodeResourcesFit
TaintToleration
NodePorts
NodeAffinity
NodeResourcesFit
ImageLocality
NodeResourcesFit
TaintToleration
NodeAffinity
DefaultBinder





https://github.com/kubernetes/community/blob/master/contributors/devel/sig-scheduling/scheduling_code_hierarchy_overview.md

https://kubernetes.io/blog/2017/03/advanced-scheduling-in-kubernetes/

https://jvns.ca/blog/2017/07/27/how-does-the-kubernetes-scheduler-work/

https://stackoverflow.com/questions/28857993/how-does-kubernetes-scheduler-work