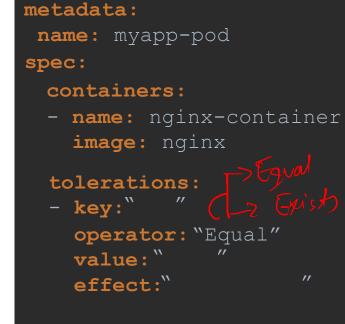
Taints - Node

-> No Schedule -> Will not schedule new pods, but old pods will keep sunning

-) Notxeente -> New also Old Pods will be wicked if they has
no toleration for fewert

★ Tolerations - PODs

kubectl taint nodes node1 app=myapp:NoSchedule



pod-definition.yml

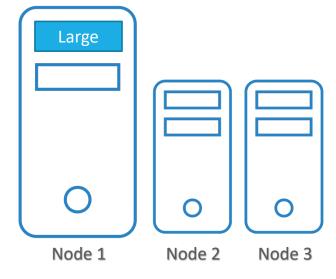
apiVersion:

kind: Pod



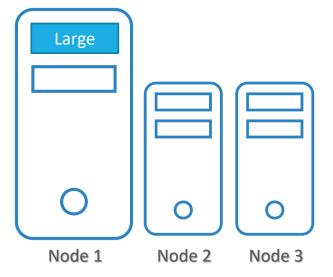
Node Selectors [Label bared]

```
pod-definition.yml
apiVersion:
kind: Pod
metadata:
name: myapp-pod
spec:
 containers:
 - name: data-processor
   image: data-processor
 nodeSelector:
    size: Large
```



Label Nodes

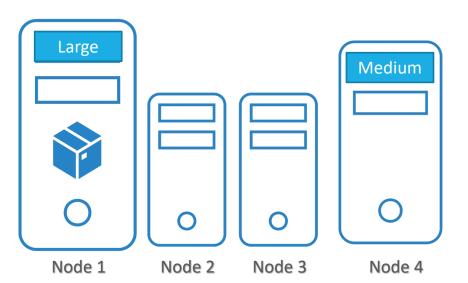
- kubectl label nodes <node-name> <label-key>=<label-value>
- kubectl label nodes node-1 size=Large



Node Selector - Limitations







- Large OR Medium?
- NOT Small

Opposite od Colerations

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Node Affinity

Node Affinity

```
kind: Pod
metadata:
```

```
pod-definition.yml
apiVersion:
kind:
metadata:
name: myapp-pod
spec:
containers:
 - name: data-processor
   image: data-processor
 affinity:
 nodeAffinity:
    requiredDuringSchedulingIgnoredDuringExecution:
      nodeSelectorTerms:
      - matchExpressions:
        - key: size
          operator: In _
          values:
          - Large
```

Node Affinity Types

Available:

requiredDuringSchedulingIgnoredDuringExecution > if not mid, will
preferredDuringSchedulingIgnoredDuringExecution > vol mid,
still schedule

Planned: , equine

requiredDuringSchedulingRequiredDuringExecution

Node Affinity Types

Available:

requiredDuringSchedulingIgnoredDuringExecution

preferredDuringSchedulingIgnoredDuringExecution

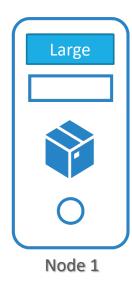
	DuringScheduling	DuringExecution
Type 1	Required	Ignored
Type 2	Preferred	Ignored

Node Affinity Types

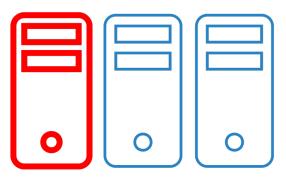
Planned:

requiredDuringSchedulingRequiredDuringExecution

	DuringScheduling	DuringExecution
Type 1	Required	Ignored
Type 2	Preferred	Ignored
Type 3	Required	Required



Node Affinity
vs
Taints and
Tolerations



-) if there is no taint, with teleration pod can be scheduled on any pod

