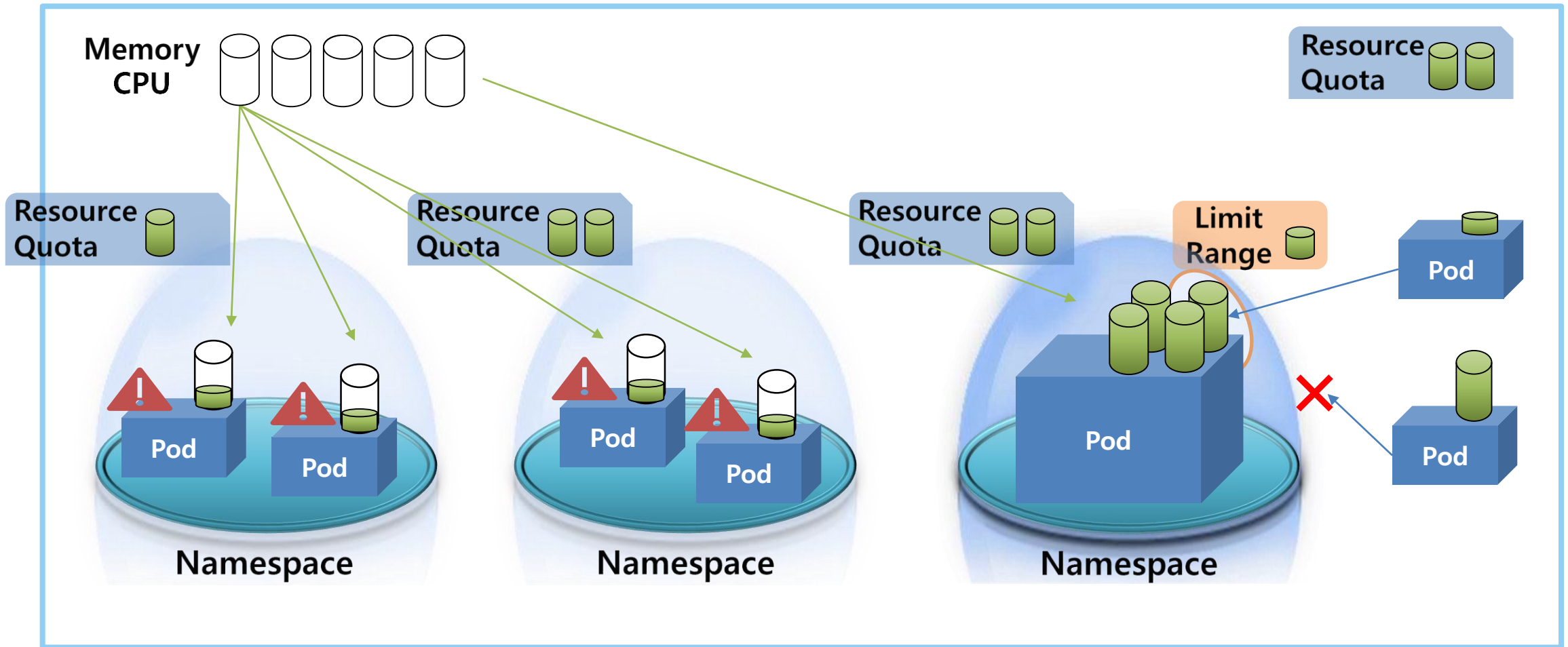
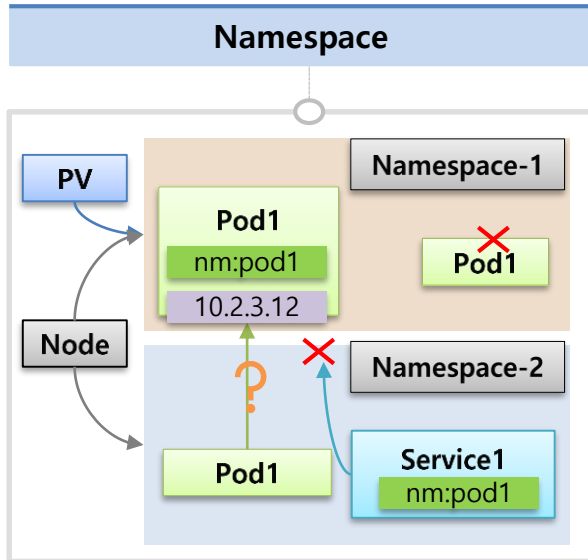


# 5. Object - Namespace, ResourceQuota, LimitRange

## Kubernetes Cluster



# 5. Object - Namespace, ResourceQuota, LimitRange

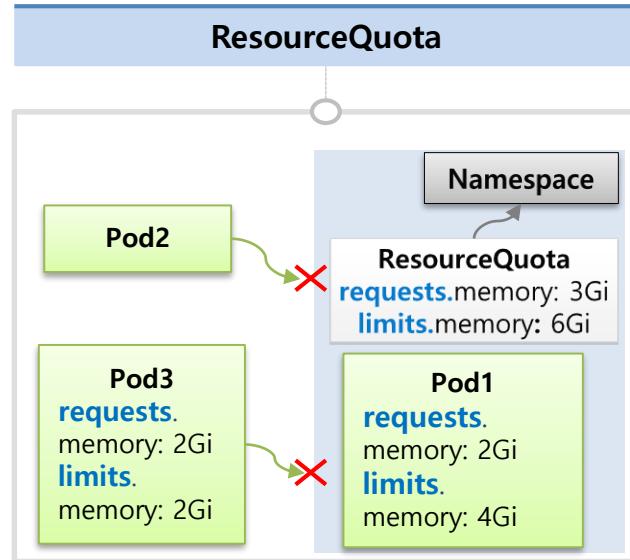


```
apiVersion: v1
kind: Namespace
metadata:
  name: nm-1
```

```
apiVersion: v1
kind: Namespace
metadata:
  name: nm-2
```

```
apiVersion: v1
kind: Pod
metadata:
  name: pod-1
  namespace: nm-1
labels:
  nm: pod1
spec:
  containers:
  ...
```

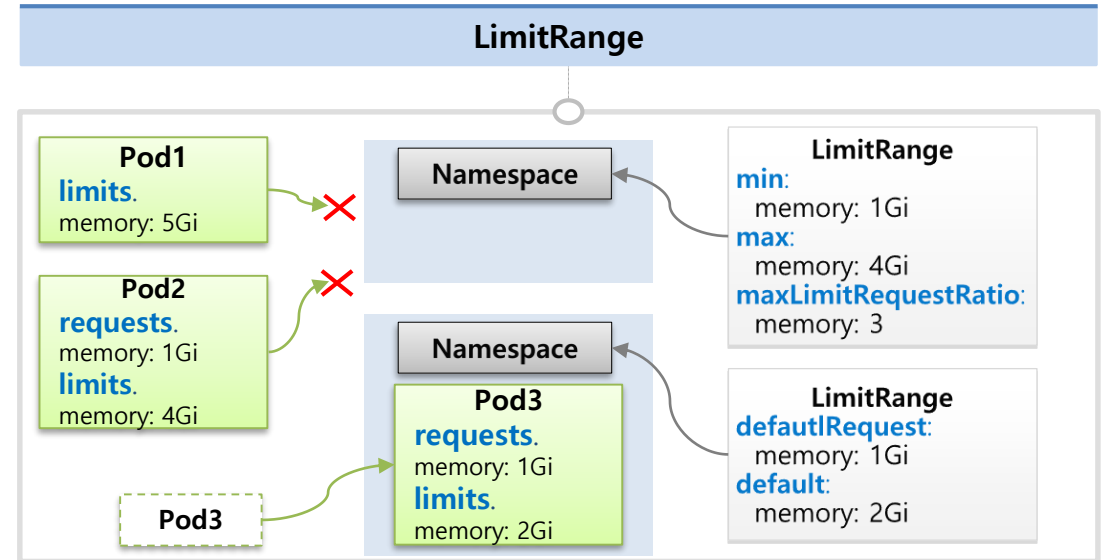
```
apiVersion: v1
kind: Service
metadata:
  name: svc-1
  namespace: nm-2
spec:
  selector:
    nm: pod1
  ports:
  ...
```



```
apiVersion: v1
kind: ResourceQuota
metadata:
  name: rq-1
  namespace: nm-1
spec:
  hard:
    requests.memory: 3Gi
    limits.memory: 6Gi
```

```
apiVersion: v1
kind: Pod
metadata:
  name: pod-2
spec:
  containers:
  - name: container
    image:
      tmkubernetes/app
  resources:
    requests:
      memory: 2Gi
    limits:
      memory: 2Gi
```

**Compute Resource** : cpu, memory, storage  
**Objects Count** : Pod, Service, ConfigMap, PVC, ...



```
apiVersion: v1
kind: LimitRange
metadata:
  name: lr-1
  namespace: nm-1
spec:
  limits:
  - type: Container
    min:
      memory: 1Gi
    max:
      memory: 4Gi
    defaultRequest:
      memory: 1Gi
    default:
      memroy: 2Gi
    maxLimitRequestRatio:
      memory: 3
```