# LimitRange and ResourceQuota are objects used to control

# resource usage by a Kubernetes cluster administrator.

# ResourceQuota is for limiting the total resource consumption of a namespace, for example:

<https://stackoverflow.com/questions/54929714/in-kubernetes-what-is-the-difference-between-resourcequota-vs-limitrange-object#:~:text=LimitRange%20is%20for%20managing%20constraints,container%20level%20within%20the%20project.&text=An%20individual%20Pod%20or%20Container,namespace%2Fproject's%20objects%20in%20aggregate>.

# ResourceQuota is for limiting the total resource consumption of a namespace, for example:

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apiVersion: v1

kind: ResourceQuota

metadata:

name: object-counts

spec:

hard:

configmaps: "10"

persistentvolumeclaims: "4"

replicationcontrollers: "20"

secrets: "10"

services: "10"

LimitRangeis for managing constraints at a pod and container level within the project.

apiVersion: "v1"

kind: "LimitRange"

metadata:

name: "resource-limits"

spec:

limits:

- type: "Pod"

max:

cpu: "2"

memory: "1Gi"

min:

cpu: "200m"

memory: "6Mi"

- type: "Container"

max:

cpu: "2"

memory: "1Gi"

min:

cpu: "100m"

memory: "4Mi"

default:

cpu: "300m"

memory: "200Mi"

defaultRequest:

cpu: "200m"

memory: "100Mi"

maxLimitRequestRatio:

cpu: "10"

https://medium.com/omio-engineering/cpu-limits-and-aggressive-throttling-in-kubernetes-c5b20bd8a718