**Meaning of CPU**

Limits and requests for CPU resources are measured in *cpu* units. One cpu, in Kubernetes, is equivalent to:

* 1 AWS vCPU
* 1 GCP Core
* 1 Azure vCore
* 1 *Hyperthread* on a bare-metal Intel processor with Hyperthreading

Fractional requests are allowed. A Container with **spec.containers[].resources.requests.cpu** of **0.5** is guaranteed half as much CPU as one that asks for 1 CPU. The expression **0.1** is equivalent to the expression **100m**,

**Create yaml file**

vim cpuram.yaml

**apiVersion: v1**

**kind: Pod**

**metadata:**

**name: frontend**

**spec:**

**containers:**

**- name: db**

**image: mysql**

**env:**

**- name: MYSQL\_ROOT\_PASSWORD**

**value: "password"**

**resources:**

**requests:**

**memory: "64Mi"**

**cpu: "250m"**

**limits:**

**memory: "128Mi"**

**cpu: "500m"**

**- name: wp**

**image: wordpress**

**resources:**

**requests:**

**memory: "64Mi"**

**cpu: "250m"**

**limits:**

**memory: "128Mi"**

**cpu: "500m"**

kubectl create -f cpuram.yaml

kubectl describe pod frontend | grep -A 3 Events

kubectl get pods