

LEONEL AGUILAR SISTEMAS OPERATIVOS 1 CLASE 11

Kubernetes y Redis

Objetos, Servicios. Utilizando Redis

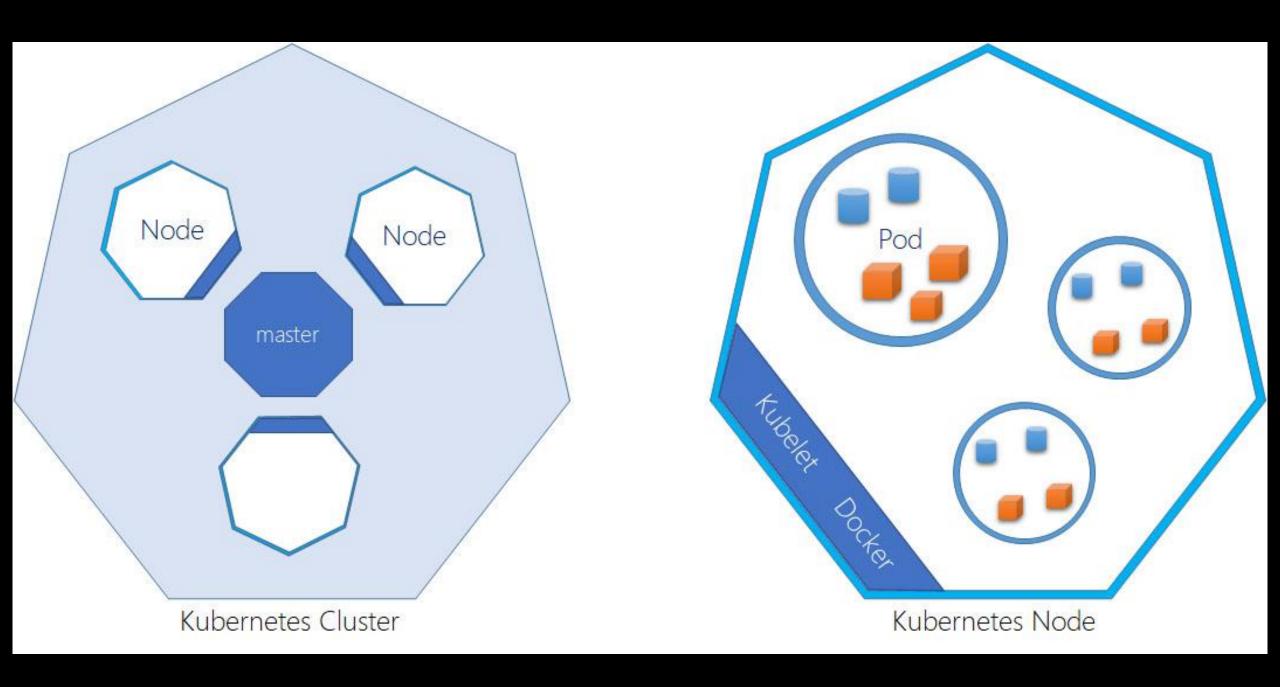


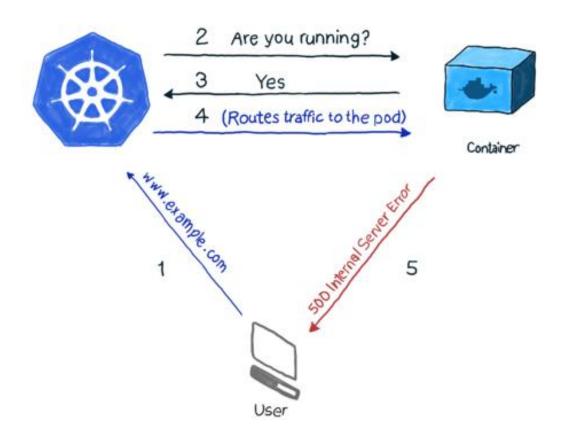
AGENDA

- 1. Algunos otros conceptos de Kubernetes
- 2. Conceptos de Redis
- 3. Utilizando Redis...
- 4. Kahoot

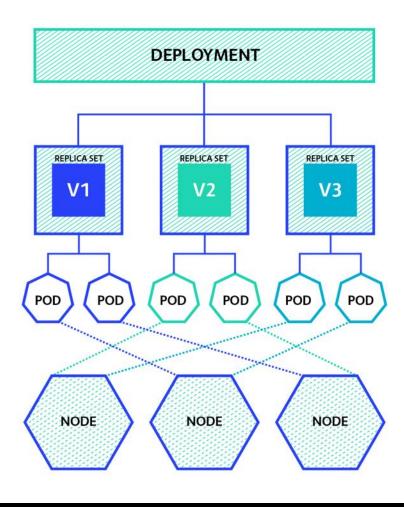
KUBERNETES







Controladores



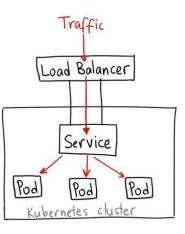
Deployments

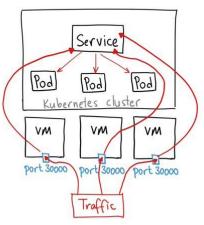
```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: node-deployment
  labels:
    app: node
spec:
  replicas: 3
  selector:
    matchLabels:
      app: node
  template:
    metadata:
      labels:
        app: node
    spec:
      containers:
        - name: node
          image: node:12
          ports:
            - containerPort:300
```

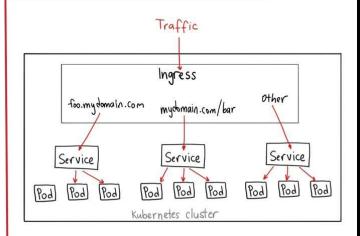
Deployments

ClusterIP Traffic Proxy Service Rod Rod Kubernetes cluster

LoadBalancer







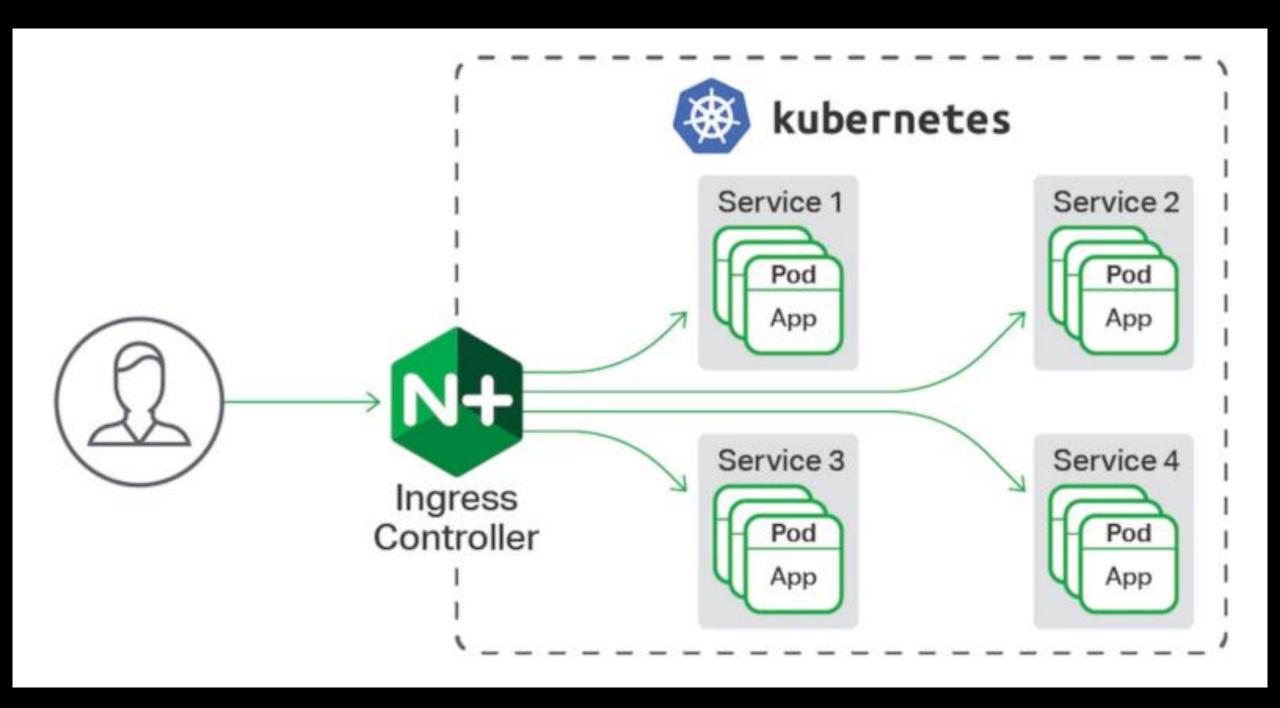
NodePort

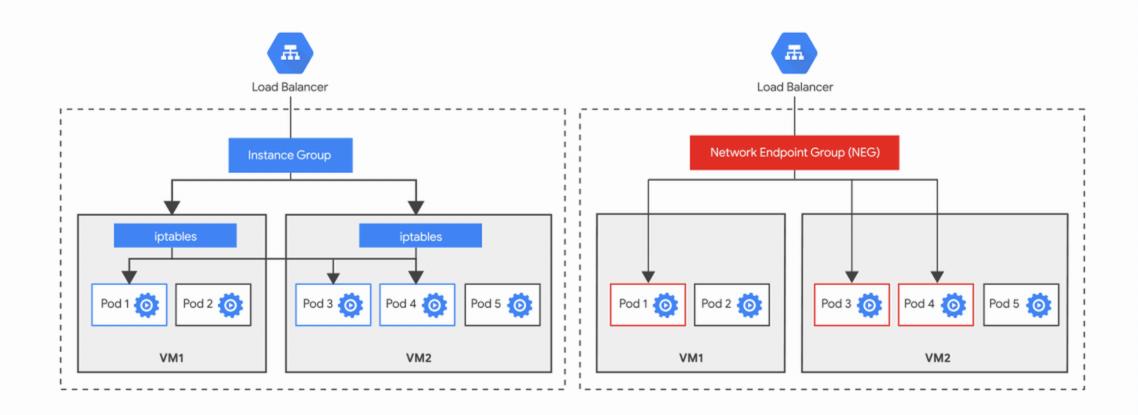
Ingress

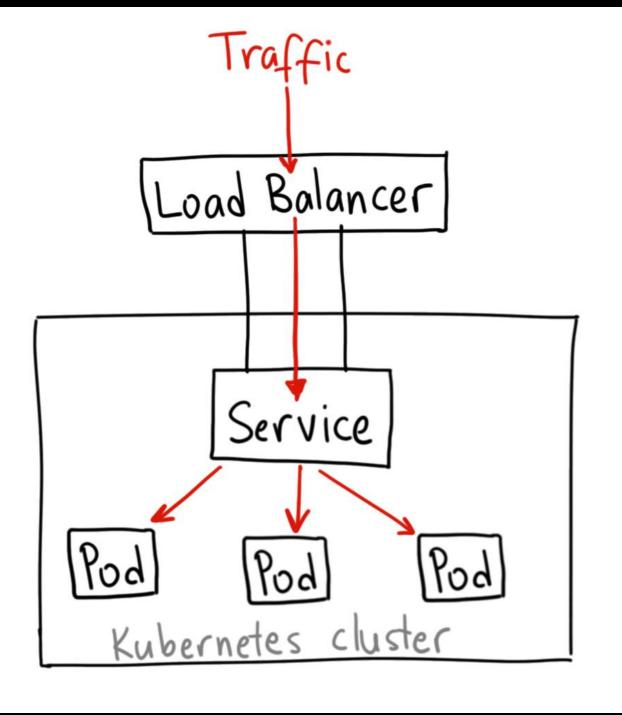
Services

```
apiVersion: v1
kind: Service
metadata:
    name: node-service
spec:
    selector:
        app: node
    ports:
        protocol: TCP
        port: 80
        targetPort: 3000
```

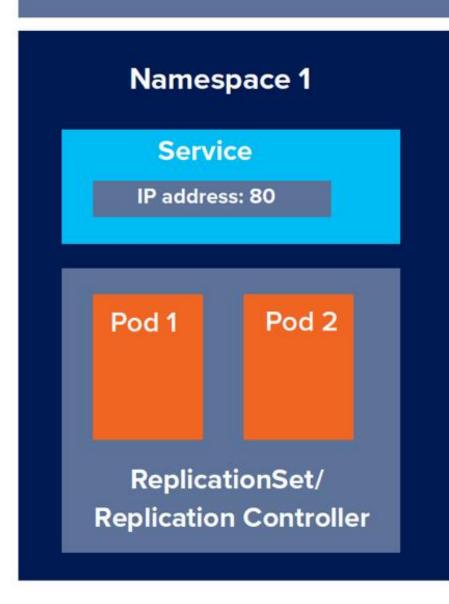
Services

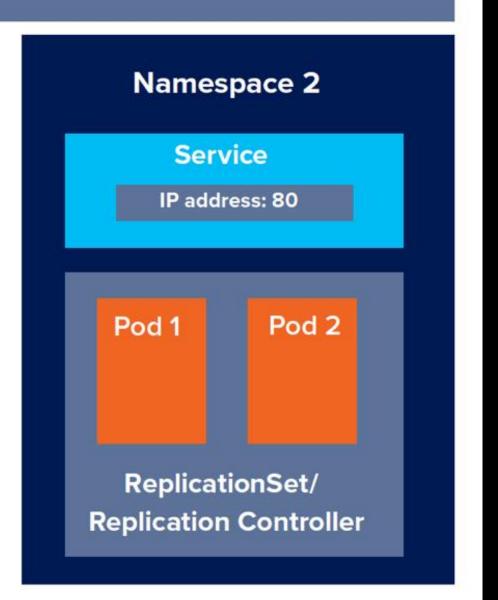




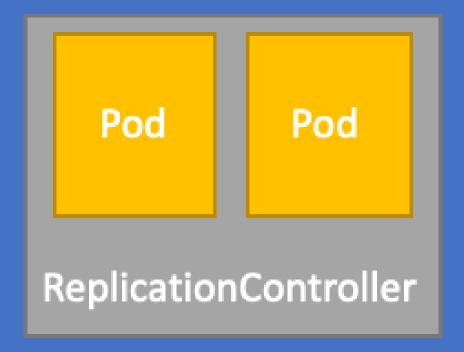


Namespace





Namespace 1



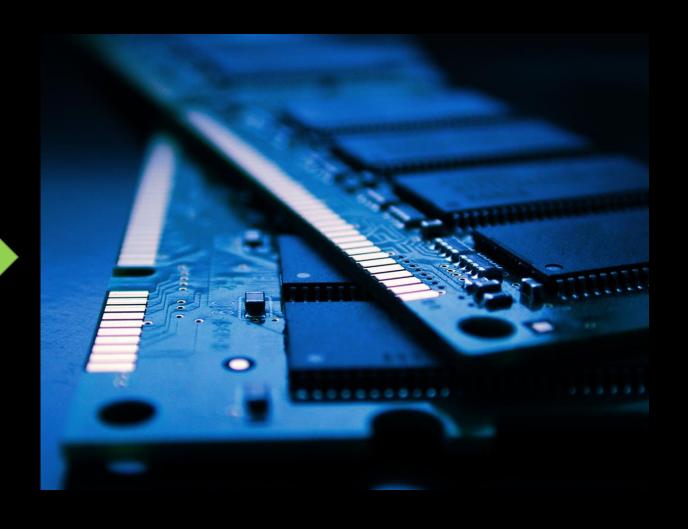
Namespace 2

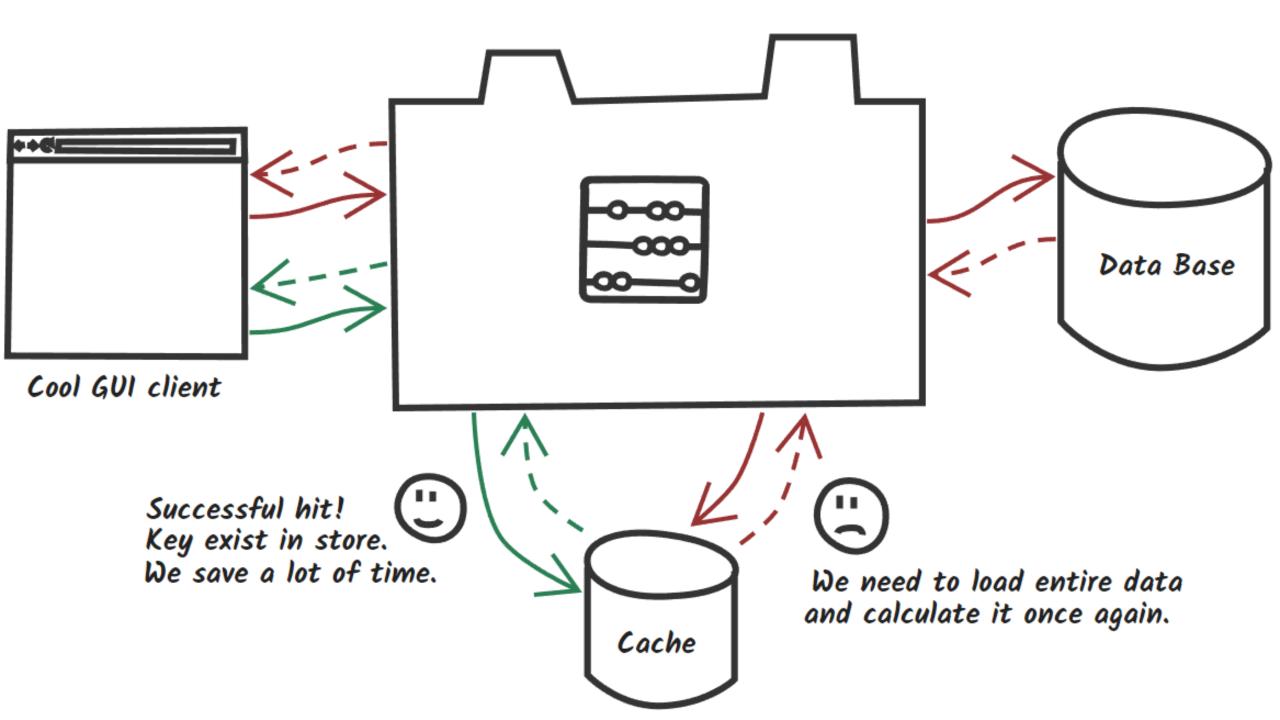
Service

Pod





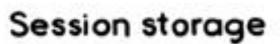


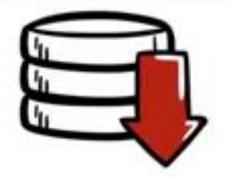






High speed data ingest

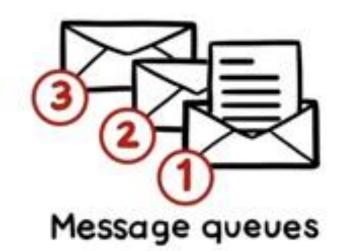




Application job management



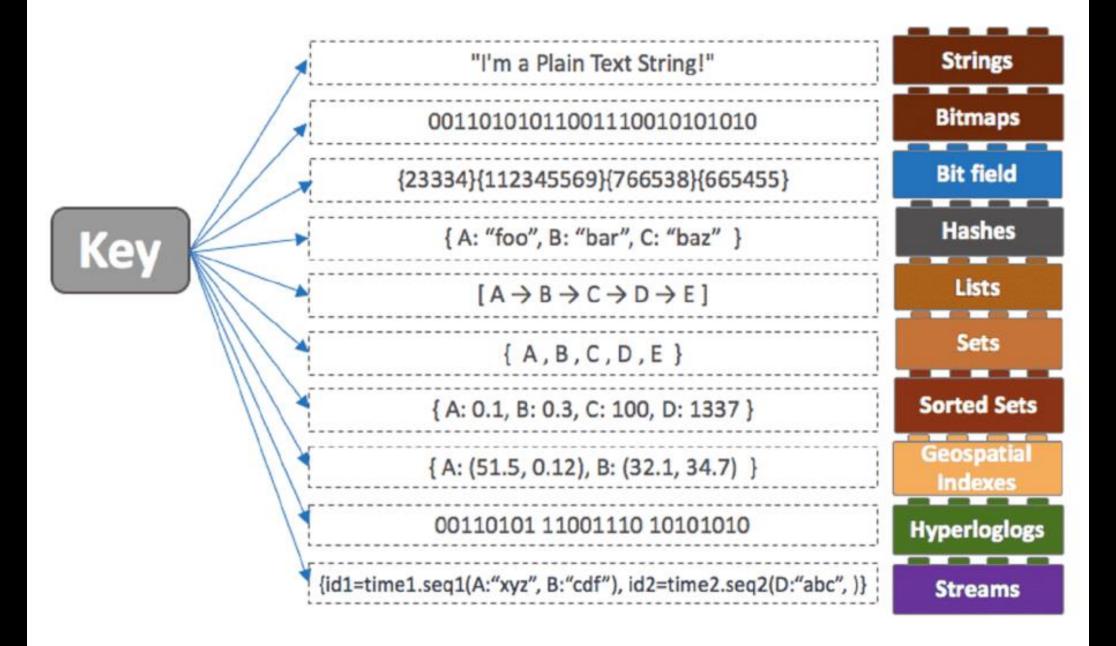


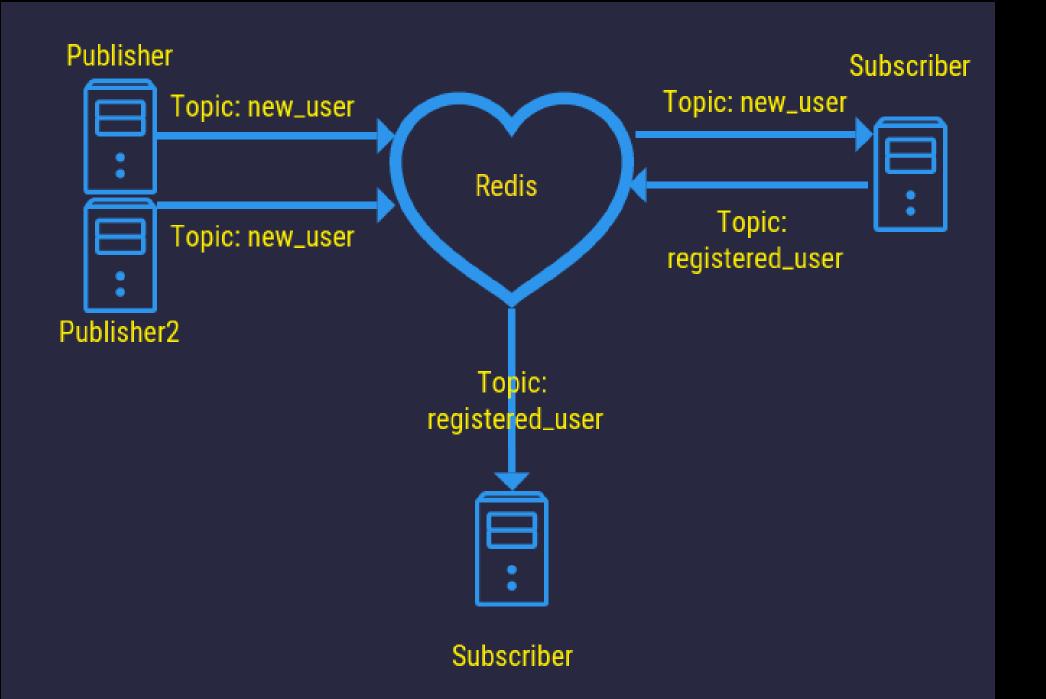




Geo Search and Caching









EJEMPLO PRÁCTICO

UTILIZANDO REDIS

