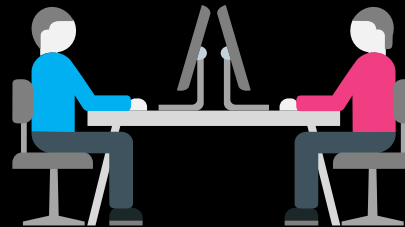


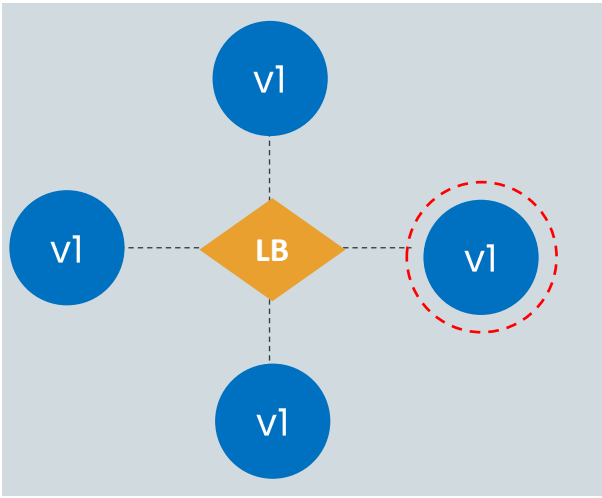


Rolling Updates & Rollbacks

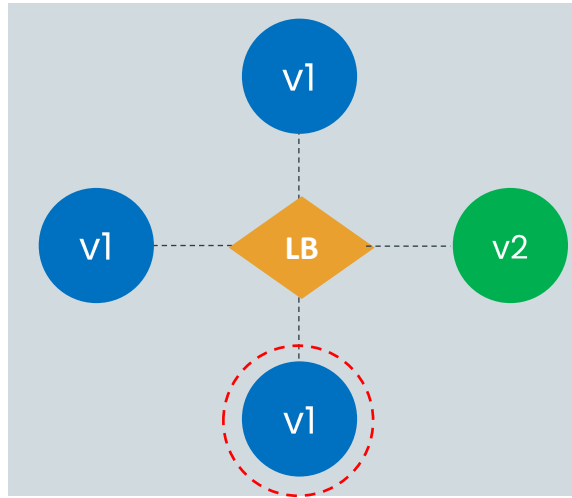
Overview



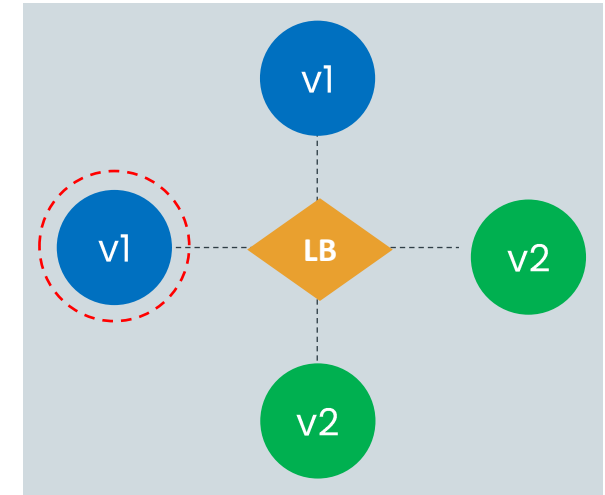
DEPLOYMENT STRATEGY: **ROLLING UPDATE**



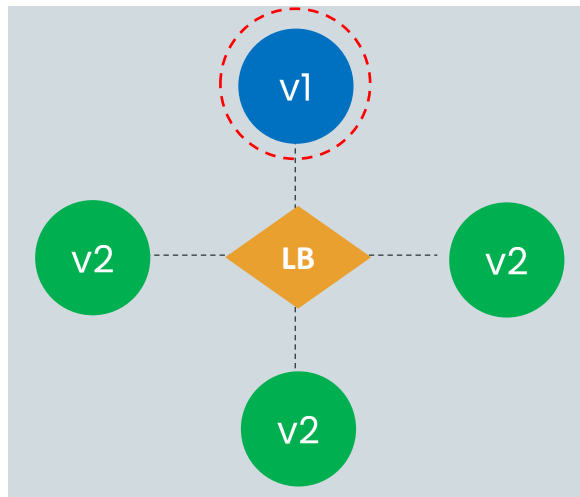
Step: 1



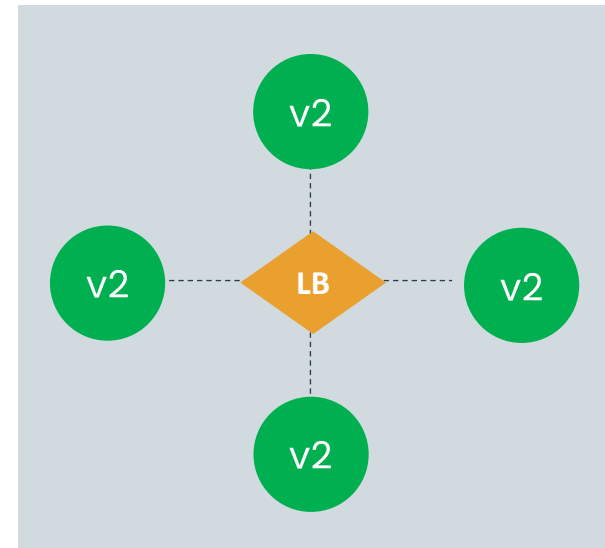
Step: 2



Step: 3



Step: 4



Step: 5

DEPLOYMENT STRATEGY: ROLLING UPDATE

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deploy
spec:
  replicas: 4
  selector:
    matchLabels:
      app: nginx-app
  strategy:
    type: RollingUpdate
    rollingUpdate:
      maxSurge: 2
      maxUnavailable: 0
  template:
    metadata:
      labels:
        app: nginx-app
    spec:
      containers:
        - name: nginx-container
          image: nginx:1.19
          ports:
            - containerPort: 80
```

API Version of Resource Type

The kind we are creating

Specify all Metadata like name, labels

Desired number of Pod Instances

Selects Pods using this Selector

Deployment Strategy

Pod Template used for creating new pods

ROLLBACK

ISSUE WITH
LATEST UPDATES?



ROLLBACK

```
kubectl rollout undo deployment nginx-deploy --to-revision=1
```