3. ReplicaSet

Replication Controller

rd-definition.yaml

```yaml
apiVersion: v1
kind: ReplicationController
metadata:
  name: myapp-rc
  labels:
    app: myapp
    type: front-end
spec:
  template: #ниже начинается описание пода
    metadata:
      name: myapp-pod  #string
      labels:
        app: myapp
        anyKey: AnyValue
    spec:
      containers: #List/Array
      - name: nginx-container
        image: nginx
        resources: {}
      restartPolicy: Always
  replicas: 2 #указать количество экземпляров
```

Применение:

```
kubectl create -f rd-definition.yaml
```

Получить сведения:

```
kubectl get replicationcontroller
```

ReplicaSet

rs-definition.yaml

```yaml
apiVersion: apps/v1
kind: ReplicaSet
metadata:
  name: myapp-replicaset
```

```
  labels:
    app: myapp
    type: front-end
spec:
  template:
    metadata:
      name: myapp-pod  #string
      labels:
        app: myapp
        anyKey: anyValue
    spec:
      containers:
      - image: nginx
        name: myapp
  replicas: 3
  selector:
    matchLabels: # совпадение меток от ПОДов
      anyKey: anyValue
```

```
kubectl create -f rs-definition.yaml
```

Получить список реплик:

```
kubectl get replicasets.apps
```

Изменить количество реплик:

```
kubectl scale --replicas=3 rs/myapp-replicaset
```

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