



ReplicaSet YAML

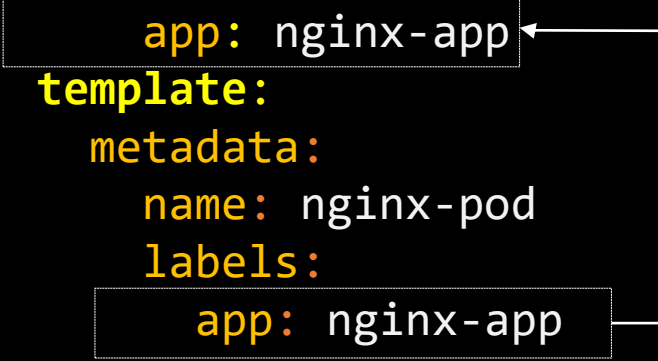


REPLICATION CONTROLLER

```
apiVersion: v1
kind: ReplicationController
metadata:
  name: nginx-rc
spec:
  replicas: 3
  selector:
    app: nginx-app
  template:
    metadata:
      name: nginx-pod
      labels:
        app: nginx-app
    spec:
      containers:
        - name: nginx-container
          image: nginx
          ports:
            - containerPort: 80
```

REPLICASET

```
apiVersion: apps/v1 ①
kind: ReplicaSet ②
metadata:
  name: ngnxx-rs
spec:
  replicas: 3
  selector:
    matchLabels: ③
      app: nginx-app
  template:
    metadata:
      name: nginx-pod
      labels:
        app: nginx-app
    spec:
      containers:
        - name: nginx-container
          image: nginx
          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

Pod Template used for creating new pods

REPLICASET- MATCH LABELS & MATCH EXPRESSIONS - YAML

```
apiVersion: apps/v1
```

API Version of Resource Type

```
kind: ReplicaSet
```

Resource Type

```
metadata:
```

```
  name: nginx-rs
```

```
spec:
```

Desired number of Pod Instances

```
  replicas: 3
```

```
  selector:
```

```
    matchLabels:
```

```
      app: nginx-app
```

```
    matchExpressions:
```

```
      - {key: tier, operator: In, values: [frontend]}
```

Here we are using the “set-based” operators

```
  template:
```

```
    metadata:
```

```
      name: nginx-pod
```

```
      labels:
```

```
        app: nginx-app
```

```
        tier: frontend
```

Pod Template used for creating new pods.

```
    spec:
```

```
      containers:
```

```
        - name: nginx-container
```

```
          image: nginx
```

```
          ports:
```

```
            - containerPort: 80
```