

Ahh I got you now — you're asking if you can **use one Service to expose both `dempapp` and `myapp` pods in a single go**, like how you used `matchExpressions` in the ReplicaSet. Great question!

This won't work:

selector:

```
app: dempapp, myapp
```

This is invalid YAML and not how Kubernetes Services match labels.

Correct way (using `matchExpressions` in Services — but wait...)

Unfortunately, **Kubernetes Services do *not* support `matchExpressions`**, unlike ReplicaSets or Deployments.

So you're limited to:

selector:

```
app: myapp # OR
app: dempapp
```

You **cannot** do:

selector:

matchExpressions:

- key: app
 - operator: In
 - values:
 - dempapp
 - myapp
-

Two clean alternatives:

Option 1: Label both pods with a shared label

Update both pods to have:

labels:
app: webapp

Then create **one Service** like this:

selector:
app: webapp

✅ This is the cleanest and works well.

📌 Option 2: Create two Services (preferred if **dempapp** and **myapp** are functionally different)

dempapp service
selector:
app: dempapp

myapp service
selector:
app: myapp

🧠 Your final YAML suggestion (quick fix for one-time init)?

If you're okay adding **one more label**, here's a **one-time initialization-friendly way**:


✅ Update your pods like this:

In myapp-pod
labels:
app: myapp
role: webapp

In ReplicaSet pod template
labels:
app: dempapp
role: webapp


✅ Then use this Service:

apiVersion: v1
kind: Service

```
metadata:
  name: webappservice
spec:
  type: NodePort
  selector:
    role: webapp #  Matches both dempapp and myapp
  ports:
    - port: 80
      targetPort: 80
      nodePort: 30095
```



Summary:

Goal	Can you use one service?	How
Expose both myapp and dempapp	 Yes	Add shared label (role: webapp) and match on that
Use selector: app: dempapp, myapp	 No	Not valid YAML or syntax
Use matchExpressions in Service	 No	Not supported by Service

Want me to give you the **complete YAML** with the shared label approach?