



EZUA 1.5

EDF 7.8

RHEL 8.8

## Cause

The notebook controller keeps updating the stateful sets, and that is why the pod is getting deleted and recreated.

```
$ kubectl logs -n kubeflow notebook-controller-deployment-69849ffcb5-67qb8 | grep awez-notebook
| grep Updating.StatefulSe | tail -n5
1.7319334984617977e+09 INFO controllers.Notebook Updating StatefulSet {"notebook": "euadev1-4441a814/awez-notebook", "namespace": "euadev1-4441a814", "name": "awez-notebook"}
1.73193350084064e+09 INFO controllers.Notebook Updating StatefulSet {"notebook": "euadev1-4441a814/awez-notebook", "namespace": "euadev1-4441a814", "name": "awez-notebook"}
1.7319335031596932e+09 INFO controllers.Notebook Updating StatefulSet {"notebook": "euadev1-4441a814/awez-notebook", "namespace": "euadev1-4441a814", "name": "awez-notebook"}
1.7319335057427795e+09 INFO controllers.Notebook Updating StatefulSet {"notebook": "euadev1-4441a814/awez-notebook", "namespace": "euadev1-4441a814", "name": "awez-notebook"}
1.7319335075301127e+09 INFO controllers.Notebook Updating StatefulSet {"notebook": "euadev1-4441a814/awez-notebook", "namespace": "euadev1-4441a814", "name": "awez-notebook"}
....
1.7320106843326902e+09 INFO controllers.Notebook Reconciliation loop started
{"notebook": "euadev1-4441a814/awez-notebook"}
1.7320106843327568e+09 INFO controllers.Notebook Notebook labels CM Not found
{"configmap": "euadev1-4441a814/notebook-labels-cm"}
1.73201068433277e+09 INFO controllers.Notebook Get Labels From CM {"configmap":
"kubeflow/notebook-labels-cm"}
1.7320106843328106e+09 INFO controllers.Notebook Updating StatefulSet {"notebook":
"euadev1-4441a814/awez-notebook", "namespace": "euadev1-4441a814", "name": "awez-notebook"}
1.7320106846233249e+09 INFO controllers.Notebook Initializing Notebook CR Status
{"notebook": "euadev1-4441a814/awez-notebook"}
1.7320106846233547e+09 INFO controllers.Notebook Calculating Notebook's containerState
{"notebook": "euadev1-4441a814/awez-notebook"}
1.732010684623359e+09 INFO controllers.Notebook Updating Notebook CR state:
{"notebook": "euadev1-4441a814/awez-notebook", "state": {"running":{"startedAt":"2024-11-18T15:57:14Z"}}}
1.7320106846233766e+09 INFO controllers.Notebook Calculating Notebook's Conditions
{"notebook": "euadev1-4441a814/awez-notebook"}
1.7320106846233816e+09 INFO controllers.Notebook Updating Notebook CR Status
{"notebook": "euadev1-4441a814/awez-notebook", "status": {"conditions":
[{"type":"Initialized","status":"True","lastProbeTime":"2024-11-19T10:04:44Z","lastTransitionTime":"2024-11-18T15:57:12Z"},
{"type":"Ready","status":"True","lastProbeTime":"2024-11-19T10:04:44Z","lastTransitionTime":"2024-11-18T15:57:15Z"},
{"type":"ContainersReady","status":"True","lastProbeTime":"2024-11-19T10:04:44Z","lastTransitionTime":"2024-11-18T15:57:15Z"},
{"type":"PodScheduled","status":"True","lastProbeTime":"2024-11-19T10:04:44Z","lastTransitionTime":"2024-11-18T15:56:58Z"}]}, "readyReplicas":1,"containerState":
{"running":{"startedAt":"2024-11-18T15:57:14Z"}}}]}
```

Upon further checking it was found that there were two clusterpolicies in kyverno:

add-vendor-app-labels-cherry-chart

```
mutate:
  patchStrategicMerge:
    spec:
      template:
        metadata:
          labels:
            hpe-ezua/type: vendor-service
```

hpe-ezua-add-labels-kubeflow-user-pods

```
mutate:
  patchStrategicMerge:
    spec:
      template:
        metadata:
          labels:
            hpe-ezua/app: kubeflow
            hpe-ezua/type: app-service-user
```

And these were "conflicting" for the hpe-ezua/type label.

## Resolution

Changed kyverno policy label from,

**hpe-ezua/type: vendor-service**

to

**hpe-ezua/type2: vendor-service**

resolved the issue.

