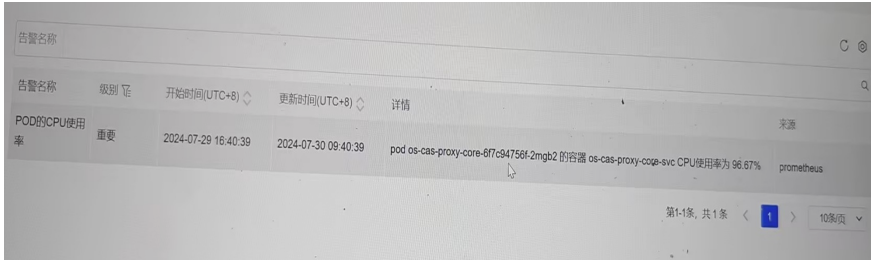


# 修复os-cas-proxy-core-xxxx-xxxx的容器CPU使用率过高

管理集群 半斤豆 2024-08-05 发表

## 问题描述



## 解决方法

1. 修复方式：修改pod的limit阈值，delete pod之后，重启拉起使其生效。

当使用 kubectl edit pod xxx 的时候，wq! 保存会报错，使用为字段不允许改，所以要修改pod的上层控制器，可能是 #ReplicaSet，也可能是 deployment

```
[root@cloudos21 ~]# kubectl edit pod os-cas-proxy-core-5594dd847-7kp4p -n cloudos-iaas
error: pods "os-cas-proxy-core-5594dd847-7kp4p" is invalid
# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an empty file will abort the edit. If an error occurs while saving this file will be
# reopened with the relevant failures.
#
# pods "os-cas-proxy-core-5594dd847-7kp4p" was not valid:
# spec: Forbidden: pod updates may not change fields other than 'spec.containers[*].image', 'spec.initContainers[*].image', 'spec.activeDeadlineSeconds' or 'spec.tolerations' (only additions to existing tolerations)
# {Volumes: [{Name: "time", HostPath: "/etc/localtime", Type: ""}, {"Name": "GCEPersistentDisk", "GCEPersistentDisk": null, "AWSElasticBlockStore": null, "GitRepo": null, "Secret": null, "NFS": null, "ISCSI": null, "Glusterfs": null, "PersistentVolumeClaim": null, "RBD": null, "Quobyte": null, "FlexVolume": null, "Cinder": null, "CephFS": null, "Flocker": null, "DownwardAPI": null, "FC": null, "AzureFile": null, "ConfigMap": null, "VsphereVolume": null, "AzureDisk": null, "PhotonPersistentDisk": null, "Projected": null, "PortworxVolume": null, "ScaleIO": null, "StorageOS": null}, {"Name: "casproxycorelogs", HostPath: "/var/log/os-cas-proxy-core", Type: ""}, {"Name": "GCEPersistentDisk", "GCEPersistentDisk": null, "AWSElasticBlockStore": null, "GitRepo": null, "Secret": null, "NFS": null, "ISCSI": null, "Glusterfs": null, "PersistentVolumeClaim": null, "RBD": null, "Quobyte": null, "FlexVolume": null, "Cinder": null, "CephFS": null, "Flocker": null, "DownwardAPI": null, "FC": null, "AzureFile": null, "ConfigMap": null, "VsphereVolume": null, "AzureDisk": null, "PhotonPersistentDisk": null, "Projected": null, "PortworxVolume": null, "ScaleIO": null, "StorageOS": null}, {"Name: "casproxycoretmp", HostPath: "", EmptyDir: {"Medium": "", "SizeLimit": null}, "GCEPersistentDisk": null, "AWSElasticBlockStore": null, "GitRepo": null, "Secret": null, "NFS": null, "ISCSI": null, "Glusterfs": null, "PersistentVolumeClaim": null, "RBD": null, "Quobyte": null, "FlexVolume": null, "Cinder": null, "CephFS": null, "Flocker": null, "DownwardAPI": null, "FC": null, "AzureFile": null, "ConfigMap": null, "VsphereVolume": null, "AzureDisk": null, "PhotonPersistentDisk": null, "Projected": null, "PortworxVolume": null, "ScaleIO": null, "StorageOS": null}, {"Name": "default-token-6qfzh", HostPath: "", EmptyDir": null, "GCEPersistentDisk": null, "AWSElasticBlockStore": null, "GitRepo": null, "Secret": {"SecretName": "default-token-6qfzh", "Items": null, "DefaultMode": 420, "Optional": null}, "NFS": null, "ISCSI": null, "Glusterfs": null, "PersistentVolumeClaim": null, "RBD": null, "Quobyte": null, "FlexVolume": null, "Cinder": null, "CephFS": null, "Flocker": null, "DownwardAPI": null, "FC": null, "AzureFile": null, "ConfigMap": null, "VsphereVolume": null, "AzureDisk": null, "PhotonPersistentDisk": null, "Projected": null, "PortworxVolume": null, "ScaleIO": null, "StorageOS": null}, {"Name": "casproxycore", HostPath: "", EmptyDir: {"Medium": "", "SizeLimit": null}, "GCEPersistentDisk": null, "AWSElasticBlockStore": null, "GitRepo": null, "Secret": null, "NFS": null, "ISCSI": null, "Glusterfs": null, "PersistentVolumeClaim": null, "RBD": null, "Quobyte": null, "FlexVolume": null, "Cinder": null, "CephFS": null, "Flocker": null, "DownwardAPI": null, "FC": null, "AzureFile": null, "ConfigMap": null, "VsphereVolume": null, "AzureDisk": null, "PhotonPersistentDisk": null, "Projected": null, "PortworxVolume": null, "ScaleIO": null, "StorageOS": null}], InitContainers: [{"Name": "os-cas-proxy-core-svc", Image: "os-harbor-svc.default.svc.cloudos:443/helm/h3cloud/h3cloudos/os-cas-proxy-core-E5138P01-V508R001B30015-RC25", Command: null, Args: null, WorkingDir: "", Ports: [{"Name": "HostPort", "ContainerPort": 80, "Protocol": "TCP", "HostIP": ""}], EnvFrom: [{"Name": "ALLOWED_HOST", "Value": "os-cas-proxy-core-svc.cloudos-iaas.svc.cloudos", "ValueFrom": null}], Resources: {"Limits": {"cpu": "1", "memory": ""}}}]
```

2. 查看控制器：

```
[root@cloudos21 ~]# kubectl edit pod os-cas-proxy-core-5594dd847-m4dgg -n cloudos-iaas
# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an empty file will abort the edit. If an error occurs while saving this file will be
# reopened with the relevant failures.
#
apiVersion: v1
kind: Pod
metadata:
  annotations:
    openshift.io/scc: hostmount-os-storage-mgt
  creationTimestamp: "2024-07-30T06:01:10Z"
  generateName: os-cas-proxy-core-5594dd847-
  labels:
    app: os-cas-proxy-core-svc
    pod-template-hash: "115088403"
    name: os-cas-proxy-core-5594dd847-m4dgg
    namespace: cloudos-iaas
  ownerReferences:
  - apiVersion: apps/v1
    blockOwnerDeletion: true
    controller: true
    kind: ReplicaSet
    name: os-cas-proxy-core-5594dd847
    uid: 23eaa7c5-2fc9-11ef-b413-4ce9e4c87b60
  resourceVersion: "22558519"
  selfLink: /api/v1/namespaces/cloudos-iaas/pods/os-cas-proxy-core-5594dd847-m4dgg
  uid: 1eae7b38-4e39-11ef-beb1-4ce9e4c87b60
spec:
```

```
[root@cloudos21 ~]# kubectl edit replicaset os-cas-proxy-core-5594dd847 -n cloudos-iaas -o yaml
# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an empty file will abort the edit. If an error occurs while saving this file will be
# reopened with the relevant failures.
#
apiVersion: extensions/v1beta1
kind: ReplicaSet
metadata:
  annotations:
    deployment.kubernetes.io/desired-replicas: "1"
    deployment.kubernetes.io/max-replicas: "2"
    deployment.kubernetes.io/revision: "5"
    deployment.kubernetes.io/revision-history: "1"
  creationTimestamp: "2024-06-21T12:24:00Z"
  generation: 4
  labels:
    app: os-cas-proxy-core-svc
    pod-template-hash: "115088403"
    name: os-cas-proxy-core-5594dd847
    namespace: cloudos-iaas
  ownerReferences:
  - apiVersion: apps/v1
    blockOwnerDeletion: true
    controller: true
    kind: Deployment
    name: os-cas-proxy-core
    uid: 23ae6dcl-2fc9-11ef-ab2e-4ce9e4c87d40
  resourceVersion: "22558521"
  selfLink: /apis/extensions/v1beta1/namespaces/cloudos-iaas/replicasets/os-cas-proxy-core-5594dd847
  uid: 23eaa7c5-2fc9-11ef-b413-4ce9e4c87b60
```

3. 最后修正的方式：

```
kubectl edit deployment os-cas-proxy-core -n cloudos-iaas
```