133 In-place Assis of pools

Before discussing about "Vortical greatly pod autoscales,"
we'll discuss about "In-place yeste of pod suscerses"

what is Pn-plane resixe of pad resources who of 183 1 1.32 has evaluated

DIF you change voxable vaporoments of a pad in a deployment, the deployment, the deployment behaviour us to delete the excepting pod to their spin up a new pod with the new changes

> 30 any charges to the resource dependence on a pod doesnot happen in place, which means the pod needs to be killed a the new pad with the new resource abjuration needs to be created. So this is the depoult behaviour

Sub know that this can be dissuptive expectedly for statisfied exceptionals. So there is an uniprevenent that is being wooked upon colled as implace update of ped resources [ Rostre CPU and Memory Resources assigned to Containors]

This is at feature that is currently in alpha as of 188 velocite 1.27 & is not enabled by default when it goes to bota/stable stage it will got analded by default

To enable this feature

you must sot the "feature flag" alled "h Place Pod Yorthad Scalling" to "Towe"

& FEATURE - GATES = In Place Pod Vostical Scaleng = tous

set of resize policy pasameters

Yestart policy for each serousce,

In our eg, we have defend that a change see CPU resource will not require the ped to be restouted a change in memory will require a restart of the pod a we make change in "volume" such as updating the cpu to one of you can see that pad downet need to be hither anstood at course sumply to updated with the now nothed ourstand at com by sumply concrease in SIZE reginal your of expends pro so apillorision: apps/14 has asold in mother party to Kend: Deployment of the bog ours of the bottom as lunger at a suit as hoters motadata: fullmost promety gray off and not not south a but beget require as is want a describer billion to bug replication and get do botton may box sour product selector: match Labels: app: my-app engle template: 10 18 toth soutest. 10 18 1811 labele: 65 & 101 genslar 284 13 Musical for hometadata: do the to applitmy app star at case to note orabled by defoult Spec: containers: - name: my-app balls polylinge inginx of the work app resize Policy: - resource Name : cpu restant Policy: Not Roppingod - resource. Restart Container - resource Name: memory resources! requests to men post of the cbr: , 1, memory: "256M;" Units: cpu: "Scon"

memory: " 512 Mi"

so this explains how we can soster a CPU or a memory resource assigned to a container without wally restarting it. This is in alpha with version 1:33 release

SHAII uporo discussing about manually ecalling of pad we haven't started about "Yestical ped auto scalor" yet"

Limitations of in-place vositing of peals \* This only weaks you "com a "momony" resources only cpu of memory suscerces can be changed
\*Pod ans chas count be changed

\* Inst Containous and Epherenal Containers Council be resized with this approach

\* Personale requests and limits connot be removed once

\* A condownois momosy timet may not be stocked Idas to wage of a request puts a contained in this etate, tre sesize ctatus will somain in inprogress until the desired memory hour become jearible.

xully shim