Backup and Rostace methods 1 To take snapshots use the etadeth snapshot some command. you will have to make use of additional flags to connect set -- endpoints: Optional Flag, points to the address whose ETED is sunring (127.0.0.1:2379) -- Calast: Mandatory flog (Absolute path to the CA costificate -- Cost: Mandatory flag (Absolute path to the Server certificate -- kay: Mandatory Alag (Absolute path to the keyfile) Take snapshet of the ETCD database using the built-in crapated functionality. Here the backup file at lopt/snopshot-pre-Backup etcd to lopt/snapshot-pee-boot-db ETEDETI APPRETEDENT -- endpoints = https:// 127.0.0.1]:2379 -- Cacoat = letel Kubomata phileted ca.cxt -- cost = lotal Kubomotos /pkil etal sovore ext) - key = / etc/ kubanetas / pki / etcd/ server & key Snapshot save lopt/snapshot-pre-boot.db

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Restore the etcd to a new directory from the snopshot by using the eledet snapshot restore command. Once the restored, update the ETCD conjeguration to use the restored directory.

etrobut crapated restore 10pt/smpshot-pre-back-db

etcolull snapshot vestore (apr) snapshot-pro-boot-db

-data-div Nas) lipi

etcol-from-brukup

In this case, we've restoring the snopshot to a different directory which is in the same some whose we tack the backup (the certal plane rate). As a result, the only required option for the vestore command in the --data-dis

Next, we need to update the letc/kubeanetas/manifests/
etcol-yourd to point to the newly sustaned disactory,
which is Nor/lib/otal-from-backup, the only change
which is need to make to the YAMI file, is to change
that we need to make to the YAMI file, is to change
the host path for the volume called etcol-date from
the host path for the volume called etcol-date from
old descettory Nor/lib/etcol to the new disactory

Nor/lib/ etcol-from-backup

volumes:

- host Path;

path; Ivan leb) atod- from-backup

Type: Directory Or Create

name: etcd-data

with this change I voy / lub/etcd on the container points to I voz | lub | etcd - from - backup on the control plane

re-created as this is a static pod placed under the letel manufacts / manufests & directory.

This may take a fow minutes, is it is expected that kube-Controller manager of Kube-schoduler check the Centainous being visitasted oct once those pads are up, varily the by Kubectl got deployments, sources 316 NOTES. what is deal? Thenk of etcd as kubornates belown. > 125 a Kontralue database where kubernates stores: * Cluster Configuration * Nodes * pods * secrets *Evorything that depines chuster →18 etcd as lost, your kgs cluster becomes like a poveon with armosia. Tunning but forgotiful why take backups? Becawe! * A bad upgrade or crash could wipe etcd * you want to restore duster state after failures * Bajose major changes (like vorsion upgrade) Tools used gother both lays water the we case to Tool etcdets ch to interact with etcd (etcd for backup) Newer CLI (aptional, wood in ctcd 3.5+) etedut Importation alcotion of coloratel atol of

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thow to take a backup (emopehat)
  1) Export API Mousier.
         expect ETIDCTL API = 3
 5) Run the snapshot command
      etcdctl snapshot sons loptletcd-backup.db)
           -- endpoint = https://127.0001:2379
           -- Cacont = leta | Kubarnatas | philotad carert 1
           -- Coat = lotal Kubannotes | phalodod Sanex-crt]
           -- key = letel Kubanates | pto/ etcd/ convertikey
  This saves the full etcd database to populated backup.dl
 How to rostone atcal from backup
 imagina the cluster as broken & you want to being it
 back using that backup
 Step 1: step sted [Don't follow step]
    Because you can't restore whole etcd is running
 if its a state ped:
 my lote! Kubonnotes /monufeste, leted your lote / Kubonneles /manifest)
                                          etcd.yaml.be
stop2: Restare Snapshot
    excelett snopshot restore /ept/etcd-backup.db ,
- data-der /var/ub) etcd-from-backup
 This creates a newfolder with restored data.
stop3: Recommigue etcd to use now data
Edit this yile
   of letc/kubornetes/marifasts/ etcd. yaml
charge -- data-dea asspurent to
     -- data - dex = | Non | to | etcd - from - backup
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(ax) in the volume of momed: etcd-date, charge the path to Var/ lib/ etcd - From - backup Save to file, kuldet will restart etcd wing gostagad data.

Step4: - Constan etcal is washing ence oted pad vestads, sun Kubectl get pods -n kube-system etcdett ordpart health

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