How to take the backup of etcd in openshift 4

1: we will check the health of cluster using this command (oc get cluster operator)

```
[lab-user@bastion ~]$ oc get co
                                                                                                        MESSAGE
                                                        AVAILABLE
                                                                     PROGRESSING
                                             VERSION
                                                                                   DEGRADED
                                                                                               SINCE
authentication
                                             4.11.40
                                                                                                93s
                                             4.11.40
                                                                                                10h
                                             4.11.40
loud-controller-manager
                                                                                                10h
 loud-credential
                                                                                                10h
cluster-autoscaler
                                                                                                10h
```

2: we will check the pod running inside the node (oc get all)

```
lab-user@bastion ~]$ oc get all
AME
                    TYPE
                                   CLUSTER-IP
                                                EXTERNAL-IP
                                                                                         PORT(S)
                                                                                                   AGE
ervice/kubernetes
                    ClusterIP
                                                                                                   10h
ervice/openshift
                                                kubernetes.default.svc.cluster.local
                   ExternalName
                                                                                                   10h
                                                                                         <none>
ab-user@bastion ~]$
```

3: also we will check the status of node using this cmd

```
[lab-user@bastion ~]$ oc get node

NAME

STATUS ROLES

ip-10-0-204-184.us-east-2.compute.internal Ready master,worker 10h v1.23.5+8471591
[lab-user@bastion ~]$ ■
```

4: then after we will debug inside the node (oc debug node/name of node)

```
lab-user@bastion ~]$ oc debug node/ip-10-0-204-184.us-east-2.compute.internal
```

5: then we will copy and paste there this command (chroot/host) inside the node

`chroot /host`

Then we goes to inside this directory (/usr/local/bin/cluster-backup.sh where i want to keep like (/home/core/ram)

```
To use host binaries, run 'chroot /host'
chroot /host
old IP: 10.0.204.184
If you don't see a command prompt, try pressing enter.
sh-4.4# chroot /host
sh-4.
```

And after that we will go to inside this directory(/home/core/raj) using cd command and you can give the full permission of file both file and also you can change the ownershif of file

```
h-4.4# cd /home/core/raj/
h-4.4# ls
napshot 2024-05-10_110801.db static_kuberesources_2024-05-10_110801.tar.gz
b 4 4# s -ltrh
total 122M
-rw------ 1 root root 66K May 10 11:08 static_kuberesources_2024-05-10_110801.tar.gz
-rw------ 1 root root 122M May 10 11:08 snapshot_2024-05-10_110801.db
sh-4.4# chown core:core static_kuberesources_2024-05-10_110801.tar.gz snapshot_2024-05-10_110801.db
sh-4.4# ls -ltrh
total 122M
-rw------ 1 core core 66K May 10 11:08 static_kuberesources_2024-05-10_110801.tar.gz
-rw------ 1 core core 122M May 10 11:08 snapshot_2024-05-10_110801.db
sh-4.4# chomod 777 static_kuberesources_2024-05-10_110801.tar.gz snapshot_2024-05-10_110801.db
sh-4.4# ls -ltrh
total 122M
-rwxrwxrwx. 1 core core 66K May 10 11:08 static_kuberesources_2024-05-10_110801.tar.gz
-rwxrwxrwxx. 1 core core 122M May 10 11:08 static_kuberesources_2024-05-10_110801.tar.gz
-rwxrwxrwxxx. 1 core core 122M May 10 11:08 snapshot_2024-05-10_110801.db
sh-4.4# ■
```

And then we open the second terminal and cppy this file on bastion-host using that Command (scp (username)@masterIP and we put host-path also we will give the destination path

And also you can check the masterIP here using this command (oc get node -o wide)

(II:--) method for keep file on bastion-host if any case my not we will put on bastion then we will used second method

1:- we will create a simple pod using this command (oc run name of pof –image=name of image)

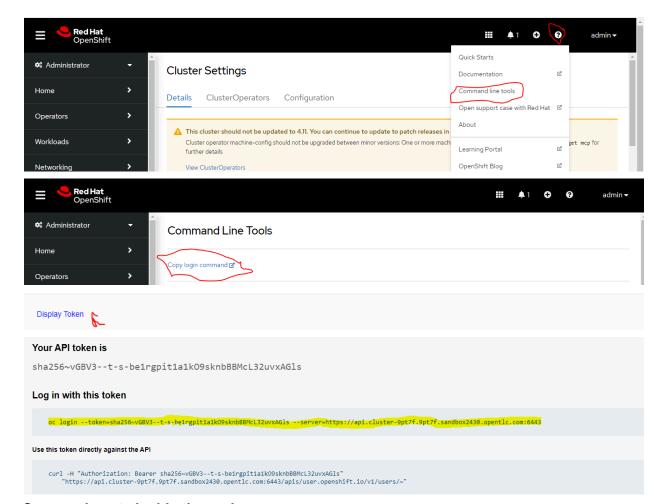
Then we goes to the shell inside the pod for check the path using this command (oc rsh name of pod)

And we will go to the inside the pod (oc rsh name of pod)

```
[lab-user@raj ~]$ oc rsh raj
# cd /tmp
# ls
# ■
```

And again go to the inside the node and run this command inside the shell for copy file pod to pod (oc cp /home/core/raj (name of pod) pod:/tmp)--

If any case not run oc command inside the shell then you can paste the token into the node then you can used below image fist you will open the console and open the token and paste inside node



Cpoy and paste inside the node

Then you can run this command inside the node for copy file node to pod (oc cp /home/core/raj name of file (pod name): /tmp and destination path) you can follow the below image

```
sh-4.4# oc get node

NAME

STATUS ROLES

AGE VERSION

ip-10-0-215-25.us-east-2.compute.internal Ready master,worker 3d v1.24.16+2e1e137

sh-4.4# oc cp /home/core/raj/snapshot_2024-05-10_110801.db raj:/tmp

sh-4.4# oc cp /home/core/raj/static_kuberesources_2024-05-10_110801.tar.gz raj:/tmp

sh-4.4# ■
```

You can aslo check the inside the pod my file is available there or not

```
[lab-user@raj ~]$ oc rsh raj
# cd /tmp
# ls
# ls
snapshot_2024-05-10_110801.db static_kuberesources_2024-05-10_110801.tar.gz
# ■
```

Exit

And then you will run this command for keep the file on bastion-host (oc rsync (name of pod):/tmp destination path)

```
[lab-user@raj ~]$ oc rsync raj:/tmp .
VARNING: cannot use rsync: rsync not available in container
tmp/snapshot_2024-05-10_110801.db
tmp/static_kuberesources_2024-05-10_110801.tar.gz
[lab-user@raj ~]$ ls
dns.com tmp
[lab-user@raj ~]$ cd tmp
[lab-user@raj tmp]$ ls
snapshot_2024-05-10_110801.db static_kuberesources_2024-05-10_110801.tar.gz
[lab-user@raj tmp]$ |
```