一次k8s未正常启动的排查-etcd文件损坏

kubectl get node 无法输出内容，经排查发现为apiserver为正常启动，查看apiserver日志显示2379端口无法连接，2379为etcd服务端口。

然后查看etcd容器日志，截图如下：

到这里基本就可以确定是snap文件损坏,或者遗失了;
因此可以用备份文件覆盖目录即可;
如果没有备份文件就删除错误的文件,重新启动kubelet,只是kubelet所有状态就遗失了;

删除etcd下错误文件后，重启kubelet，所有组件容器启动：

```
[root@master1 manifests]# rm -rf /var/lib/etcd/**
[root@master1 manifests]# cd /var/lib/etcd/
[root@master1 etcd]# ll
total 0
[root@master1 etcd]# systemctl restart kubelet.service
[root@master1 etcd]# docker ps
CONTAINER ID   IMAGE                                                    COMMAND                  CREATED         STATUS         PORTS     NAMES
8540f9820b49   704b64a9bcd2                                             "kube-apiserver --ad…"   2 seconds ago   Up 2 seconds             k8s_kube-apiserver_kube-apiserver-master1_kube-
system_afa95fc8de42d17953636f9e98e7156e_286
644c7c848443   0369cf4303ff                                             "etcd --advertise-cl…"   2 seconds ago   Up 2 seconds             k8s_etcd_etcd-master1_kube-system_c8949256806e6
3fa13551e4e2cb3cff6_266
94bc21b6f642   eeb3ff937407                                             "kube-controller-man…"   6 minutes ago   Up 6 minutes             k8s_kube-controller-manager_kube-controller-man
ager-master1_kube-system_9824b1a30ec87c9e8d4dfadb4981c0eb_46
215a88e48c73   2f776f473131                                             "kube-scheduler --au…"   6 minutes ago   Up 6 minutes             k8s_kube-scheduler_kube-scheduler-master1_kube-
system_f152636d013d4af3242adfe21caffb54_46
7f737b8644f5   registry.aliyuncs.com/google_containers/pause:3.2        "/pause"                 6 minutes ago   Up 6 minutes             k8s_POD_kube-scheduler-master1_kube-system_f152
636d013d4af3242adfe21caffb54_20
214e9fa3af39   registry.aliyuncs.com/google_containers/pause:3.2        "/pause"                 6 minutes ago   Up 6 minutes             k8s_POD_kube-controller-manager-master1_kube-sy
stem_9824b1a30ec87c9e8d4dfadb4981c0eb_21
c749ff4b0b24   registry.aliyuncs.com/google_containers/pause:3.2        "/pause"                 6 minutes ago   Up 6 minutes             k8s_POD_kube-apiserver-master1_kube-system_afa9
5fc8de42d17953636f9e98e7156e_20
9494b7e60ff0   registry.aliyuncs.com/google_containers/pause:3.2        "/pause"                 6 minutes ago   Up 6 minutes             k8s_POD_etcd-master1_kube-system_c8949256806e63
fa13551e4e2cb3cff6_20
```

再次查看节点状态均已恢复:

```
[root@master1 etcd]# kubectl get node
NAME      STATUS   ROLES    AGE     VERSION
master1   Ready    <none>   7m48s   v1.21.10
master2   Ready    <none>   7m56s   v1.21.10
node1     Ready    <none>   7m57s   v1.21.10
node2     Ready    <none>   7m54s   v1.21.10
[root@master1 etcd]#
```