**K8s排错题**

**kubeadm 配置的集群已迁移到新的节点，它需要更多配置才能成功运行，修复在迁移过程中损x坏的节点服务，**

**确定损坏的集群组件并调查导致其损坏的原因，并修复所有损坏的集群组件和配置，**

**确保重新启动后集群的所有服务和组件的更改都已修复生效，**

**所有节点和 Pod 都处于 Ready 状态，已损坏的集群使用外部 etcd 服务器。**

alice@cka0003:~$ sudo -i

root@cka0003:~# systemctl status docker.service

\* docker.service - Docker Application Container Engine

Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor>

Active: active (running) since Tue 2025-05-20 21:15:57 CST; 23s ago

TriggeredBy: \* docker.socket

Docs: https://docs.docker.com

Main PID: 416 (dockerd)

Tasks: 14

Memory: 107.1M

CPU: 2.350s

CGroup: /system.slice/docker.service

`-416 /usr/bin/dockerd -H fd:// --containerd=/run/container>

May 20 21:15:55 cka0003 dockerd[416]: time="2025-05-20T21:15:55.89830013>

May 20 21:15:56 cka0003 dockerd[416]: time="2025-05-20T21:15:56.26948195>

May 20 21:15:56 cka0003 dockerd[416]: time="2025-05-20T21:15:56.44090775>

May 20 21:15:57 cka0003 dockerd[416]: time="2025-05-20T21:15:57.19472926>

May 20 21:15:57 cka0003 dockerd[416]: time="2025-05-20T21:15:57.27804957>

May 20 21:15:57 cka0003 dockerd[416]: time="2025-05-20T21:15:57.27858534>

May 20 21:15:57 cka0003 dockerd[416]: time="2025-05-20T21:15:57.34038917>

May 20 21:15:57 cka0003 dockerd[416]: time="2025-05-20T21:15:57.36676927>

May 20 21:15:57 cka0003 dockerd[416]: time="2025-05-20T21:15:57.36718619>

May 20 21:15:57 cka0003 systemd[1]: Started Docker Application Container>

...skipping...

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root@cka0003:~# docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

fe5fc4187689 85b7a174738b "kube-apiserver --ad…" 47 seconds ago Exited (255) 26 seconds ago k8s\_kube-apiserver\_kube-apiserver-cka0003\_kube-system\_6184049ed9488618fcaa946c99e30af7\_3

c0c1225b9b4b b6a454c5a800 "kube-controller-man…" 2 minutes ago Up 2 minutes k8s\_kube-controller-manager\_kube-controller-manager-cka0003\_kube-system\_684d6b6e14b6756ed7933778e65425df\_1

bd0aabbf145a a9e7e6b294ba "etcd --advertise-cl…" 2 minutes ago Up 2 minutes k8s\_etcd\_etcd-cka0003\_kube-system\_3fcbc9a4dab547ddc562b076e7680cde\_1

f75d5193aaf3 registry.k8s.io/pause:3.10 "/pause" 2 minutes ago Up 2 minutes k8s\_POD\_kube-apiserver-cka0003\_kube-system\_6184049ed9488618fcaa946c99e30af7\_0

129f746d8a41 registry.k8s.io/pause:3.10 "/pause" 2 minutes ago Up 2 minutes k8s\_POD\_kube-controller-manager-cka0003\_kube-system\_684d6b6e14b6756ed7933778e65425df\_0

c029f0c6ba54 registry.k8s.io/pause:3.10 "/pause" 2 minutes ago Up 2 minutes k8s\_POD\_etcd-cka0003\_kube-system\_3fcbc9a4dab547ddc562b076e7680cde\_0

root@cka0003:~# grep cgroup /var/lib/kubelet/config.yaml

cgroupDriver: systemd

root@cka0003:~# docker logs 2099542a2fef

W0520 13:20:59.032920 1 registry.go:256] calling componentGlobalsRegistry.AddFlags more than once, the registry will be set by the latest flags

I0520 13:20:59.033289 1 options.go:238] external host was not specified, using 192.168.255.103

I0520 13:20:59.034848 1 server.go:143] Version: v1.32.2

I0520 13:20:59.034894 1 server.go:145] "Golang settings" GOGC="" GOMAXPROCS="" GOTRACEBACK=""

I0520 13:20:59.565668 1 shared\_informer.go:313] Waiting for caches to sync for node\_authorizer

I0520 13:20:59.586663 1 shared\_informer.go:313] Waiting for caches to sync for \*generic.policySource[\*k8s.io/api/admissionregistration/v1.ValidatingAdmissionPolicy,\*k8s.io/api/admissionregistration/v1.ValidatingAdmissionPolicyBinding,k8s.io/apiserver/pkg/admission/plugin/policy/validating.Validator]

I0520 13:20:59.593551 1 plugins.go:157] Loaded 13 mutating admission controller(s) successfully in the following order: NamespaceLifecycle,LimitRanger,ServiceAccount,NodeRestriction,TaintNodesByCondition,Priority,DefaultTolerationSeconds,DefaultStorageClass,StorageObjectInUseProtection,RuntimeClass,DefaultIngressClass,MutatingAdmissionPolicy,MutatingAdmissionWebhook.

I0520 13:20:59.593568 1 plugins.go:160] Loaded 13 validating admission controller(s) successfully in the following order: LimitRanger,ServiceAccount,PodSecurity,Priority,PersistentVolumeClaimResize,RuntimeClass,CertificateApproval,CertificateSigning,ClusterTrustBundleAttest,CertificateSubjectRestriction,ValidatingAdmissionPolicy,ValidatingAdmissionWebhook,ResourceQuota.

I0520 13:20:59.594077 1 instance.go:233] Using reconciler: lease

W0520 13:21:02.645401 1 logging.go:55] [core] [Channel #2 SubChannel #4]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:02.653423 1 logging.go:55] [core] [Channel #1 SubChannel #3]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:02.658020 1 logging.go:55] [core] [Channel #5 SubChannel #6]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:05.705858 1 logging.go:55] [core] [Channel #5 SubChannel #6]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:05.706303 1 logging.go:55] [core] [Channel #1 SubChannel #3]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:05.706325 1 logging.go:55] [core] [Channel #2 SubChannel #4]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:08.777886 1 logging.go:55] [core] [Channel #2 SubChannel #4]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:08.778176 1 logging.go:55] [core] [Channel #5 SubChannel #6]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:08.778512 1 logging.go:55] [core] [Channel #1 SubChannel #3]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:11.848876 1 logging.go:55] [core] [Channel #2 SubChannel #4]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:11.849120 1 logging.go:55] [core] [Channel #5 SubChannel #6]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:11.849403 1 logging.go:55] [core] [Channel #1 SubChannel #3]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:18.218036 1 logging.go:55] [core] [Channel #5 SubChannel #6]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:18.218383 1 logging.go:55] [core] [Channel #2 SubChannel #4]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

W0520 13:21:18.218397 1 logging.go:55] [core] [Channel #1 SubChannel #3]grpc: addrConn.createTransport failed to connect to {Addr: "192.168.255.100:2379", ServerName: "192.168.255.100:2379", }. Err: connection error: desc = "transport: Error while dialing: dial tcp 192.168.255.100:2379: connect: no route to host"

F0520 13:21:19.595609 1 instance.go:226] Error creating leases: error creating storage factory: context deadline exceeded

root@cka0003:~# ss -tlun

Netid State Recv-Q Send-Q Local Address:Port Peer Address:PortProcess

tcp LISTEN 0 128 0.0.0.0:22 0.0.0.0:\*

tcp LISTEN 0 4096 127.0.0.1:32801 0.0.0.0:\*

tcp LISTEN 0 4096 127.0.0.1:10248 0.0.0.0:\*

tcp LISTEN 0 4096 127.0.0.1:2379 0.0.0.0:\*

tcp LISTEN 0 4096 192.168.255.103:2379 0.0.0.0:\*

tcp LISTEN 0 4096 192.168.255.103:2380 0.0.0.0:\*

tcp LISTEN 0 4096 127.0.0.1:2381 0.0.0.0:\*

tcp LISTEN 0 4096 127.0.0.1:10257 0.0.0.0:\*

tcp LISTEN 0 4096 \*:46431 \*:\*

tcp LISTEN 0 4096 \*:10250 \*:\*

vim /etc/kubernetes/manifests/kube-apiserver.yaml

root@cka0003:~# vim /etc/kubernetes/manifests/kube-scheduler.yaml cpu: 100m

root@cka0003:~# systemctl restart kubelet.service docker.service cri-docker.service

root@cka0003:~# kubectl get pods -A

NAMESPACE NAME READY STATUS RESTARTS AGE

kube-flannel kube-flannel-ds-bbmjt 0/1 Init:1/2 0 28d

kube-system coredns-668d6bf9bc-fvh7s 0/1 Pending 0 28d

kube-system coredns-668d6bf9bc-rtt6j 0/1 Pending 0 28d

kube-system etcd-cka0003 1/1 Running 2 (16s ago) 28d

kube-system kube-apiserver-cka0003 0/1 Running 1 28d

kube-system kube-controller-manager-cka0003 1/1 Running 2 (16s ago) 28d

kube-system kube-proxy-bzgfc 1/1 Running 0 28d

kube-system kube-scheduler-cka0003 0/1 Running 1 28d