

容器重建失败

Subtitle

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容器重建失败

现象

- docker日志caused "lstat /proc/12355/ns/ipc: no such file or directory"": unknown"
- kubelet日志包含Error syncing pod, StartContainer failed等
- calico挂掉之后容器网络不通（其他机器会删除到问题节点的路由），监控报coredns不可用（通过Zabbix dns监控检查node到coredns的连通性）

kubelet日志：

```
E1125 12:01:52.879891 15686 pod_workers.go:186] Error syncing pod 018b823f-eefe-11e8-93f1-e8611f143f2c ("calico-node-9dmkn_kube-system(018b823f-eefe-11e8-93f1-e8611f143f2c)", skipping: failed to "StartContainer" for "calico-node" with CrashLoopBackOff: "Back-off 2m40s restarting failed container=calico-node pod=calico-node-9dmkn_kube-system(018b823f-eefe-11e8-93f1-e8611f143f2c)")
E1125 12:01:55.879732 15686 pod_workers.go:186] Error syncing pod 69e93844-eefe-11e8-93f1-e8611f143f2c ("dev-router-mjktm_dev(69e93844-eefe-11e8-93f1-e8611f143f2c)", skipping: failed to "StartContainer" for "nginx-ingress-controller" with CrashLoopBackOff: "Back-off 2m40s restarting failed container=nginx-ingress-controller pod=dev-router-mjktm_dev(69e93844-eefe-11e8-93f1-e8611f143f2c)")
E1125 12:02:06.969298 15686 remote_runtime.go:213] StartContainer "efcc9baa1ddb971592b799dc6eb0a1c0c8d0bbcf4167ae15df464176099dc24d" from runtime service failed: rpc error: code = Unknown desc = failed to start container "efcc9baa1ddb971592b799dc6eb0a1c0c8d0bbcf4167ae15df464176099dc24d": Error response from daemon: OCI runtime create failed: container_linux.go:341: creating new parent process caused "container_linux.go:1713: running lstat on namespace path \"/proc/16130/ns/ipc\" caused \"lstat /proc/16130/ns/ipc: no such file or directory\": unknown
E1125 12:02:06.969372 15686 kuberuntime_manager.go:744] container start failed: RunContainerError: failed to start container "efcc9baa1ddb971592b799dc6eb0a1c0c8d0bbcf4167ae15df464176099dc24d": Error response from daemon: OCI runtime create failed: container_linux.go:341: creating new parent process caused "container_linux.go:1713: running lstat on namespace path \"/proc/16130/ns/ipc\" caused \"lstat /proc/16130/ns/ipc: no such file or directory\": unknown
```

相关链接

- <https://github.com/kubernetes/kubernetes/issues/69925>
- <https://github.com/kubernetes/kubernetes/issues/48585>
- <https://github.com/kubernetes/kubernetes/issues/69723>

calico相关issue

有可能是CNI的问题

- <https://github.com/projectcalico/calico/issues/2098>

关注calico release note，及时进行小版本升级

- <https://github.com/projectcalico/typha/issues/196>

考虑升级到3.2.4: <https://docs.projectcalico.org/v3.2/releases/>

live restore

开启live restore , 重启docker进程不影响容器

- <https://docs.docker.com/config/containers/live-restore/>

unregister_netdevice: waiting for lo to become free.

还不知道是否相关

- <https://www.v2ex.com/t/370924>
- <https://stackoverflow.com/questions/43153503/docker-on-centos-7-2-kernelunregister-netdevice-waiting-for-lo-to-become-free>

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