## K8S集群安装时遇到的问题

配置docker.repo仓库，可在ali、163等mirrors官网下载

指定版本安装docker

yum install docker-ce-18.06.3.ce

**初始化：**

kubeadm init --kubernetes-version=v1.17.2 --pod-network-cidr=172.16.0.0/16 --apiserver-advertise-address=192.168.111.130

初始化时出错，原因时apiserver\*address=ip ，这里的IP 填写本机地址，如果不是也会报下面错误。*Initial timeout of 40s passed.*

**初始化k8s init时，报错**

*[wait-control-plane] Waiting for the kubelet to boot up the control plane as static Pods from directory "/etc/kubernetes/manifests". This can take up to 4m0s[kubelet-check] Initial timeout of 40s passed.*

*Unfortunately, an error has occurred:*

*timed out waiting for the condition*

*This error is likely caused by:*

*- The kubelet is not running*

*- The kubelet is unhealthy due to a misconfiguration of the node in some way (required cgroups disabled)*

*If you are on a systemd-powered system, you can try to troubleshoot the error with the following commands:*

*- 'systemctl status kubelet'*

*- 'journalctl -xeu kubelet'*

*Additionally, a control plane component may have crashed or exited when started by the container runtime.To troubleshoot, list all containers using your preferred container runtimes CLI, e.g. docker.Here is one example how you may list all Kubernetes containers running in docker:*

*- 'docker ps -a | grep kube | grep -v pause'*

*Once you have found the failing container, you can inspect its logs with:*

*- 'docker logs CONTAINERID'error execution phase wait-control-plane: couldn't initialize a Kubernetes clusterTo see the stack trace of this error execute with --v=5 or higher*

解决办法：

升级内核

yum -y upgrade systemd

**节点加入集群：**

kubeadm join 192.168.111.130:6443 --token w3nqx0.5m5o2evea54kwygy --discovery-token-ca-cert-hash sha256:b000eb92a8d6cf58da7bd7c2e52059cce498381c56ddaecce6ddaf38ca0a37a3

**在加入时报错**

*[kubelet-check] Initial timeout of 40s passed.*

*[kubelet-check] It seems like the kubelet isn't running or healthy.*

*[kubelet-check] The HTTP call equal to 'curl -sSL http://localhost:10248/healthz' failed with error: Get http://localhost:10248/healthz: dial tcp [::1]:10248: connect: connection refused.*

*[kubelet-check] It seems like the kubelet isn't running or healthy.*

*[kubelet-check] The HTTP call equal to 'curl -sSL http://localhost:10248/healthz' failed with error: Get http://localhost:10248/healthz: dial tcp [::1]:10248: connect: connection refused.*

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*timed out waiting for the condition*

*error execution phase kubelet-start*

**解决方法：**

在kubeadm join \* 最后面加 --v=6，查看具体报错；

我此处报错的原因是因为，node02节点安装了api-server、sechuler、cns等多余的容器，所以在加入时报错。删除多余的容器，重启机器后加入成功。