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IP address changes in Kubernetes Master Node

Juniarto Samsudin Jul 6, 2019 · 1 min read

God works in mysterious ways. And so is the network in my office. One fine day, my kubernetes master node just lost its ip address. The whole kubernetes cluster node is gone. PANIC MODE ACTIVATED!

Thanks to valerius257 in his/her post in https://github.com/kubernetes/kubeadm/issues/338

I repost his/her step by step instructions on how to solve this.

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```
cd /etc/

# backup old kubernetes data
mv kubernetes kubernetes-backup
mv /var/lib/kubelet /var/lib/kubelet-backup

# restore certificates
mkdir -p kubernetes
cp -r kubernetes-backup/pki kubernetes
rm kubernetes/pki/{apiserver.*,etcd/peer.*}

systemctl start docker

# reinit master with data in etcd
# add --kubernetes-version, --pod-network-cidr and --token options
if needed
kubeadm init --ignore-preflight-errors=DirAvailable--var-lib-etcd

# update kubectl config
cp kubernetes/admin.conf ~/.kube/config

# wait for some time and delete
sleep 120
kubectl get nodes --sort-by=.metadata.creationTimestamp
kubectl delete node $(kubectl get nodes -o jsonpath='{.items[?
(@.status.conditions[0].status=="Unknown")].metadata.name}')

# check running pods
kubectl get pods --all-namespaces
```

Happy weekend, folks!

Kubernetes

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