

kube-controller-manager服务是Master节点的一部分，他的高可用相对容易，仅需要运行多份实例即可。这些实例会通过向apiserver中的Endpoint加锁的方式来进行leader election， 当目前拿到leader的实例无法正常工作时，别的实例会拿到锁，变为新的leader。

```
[root@k8s-master2 pki]# cat /usr/lib/systemd/system/kube-controller-manager.service
```

```
[Unit]
```

```
Description=Kube Controller Manager
```

```
[Service]
```

```
EnvironmentFile=/etc/kubernetes/controller-manager
```

```
ExecStart=/usr/bin/kube-controller-manager
```

```
$KUBE_CONTROLLER_MANAGER_ARGS
```

```
Restart=on-failure
```

```
LimitNOFILE=65536
```

```
[Install]
```

```
WantedBy=multi-user.target
```

```
[root@k8s-master2 pki]# cat /etc/kubernetes/controller-manager
```

```
KUBE_CONTROLLER_MANAGER_ARGS=
```

```
"--master=http://172.16.102.100:8443
```

```
--service-account-private-key-file=/etc/kubernetes/pki/ca-key.pem
```

```
--root-ca-file=/etc/kubernetes/pki/ca.pem
```

```
--leader-elect=true //集群标志，最先起来的节点为主，主节点挂了，则后起来的接替主节点
```

```
--logtostderr=false
```

```
--log-dir=/home/k8s/log
```

```
--v=3"
```