

Day2 Kubernetes基础知识介绍

1 打卡任务

作业：按指导完成kubectl操作Day1创建的集群

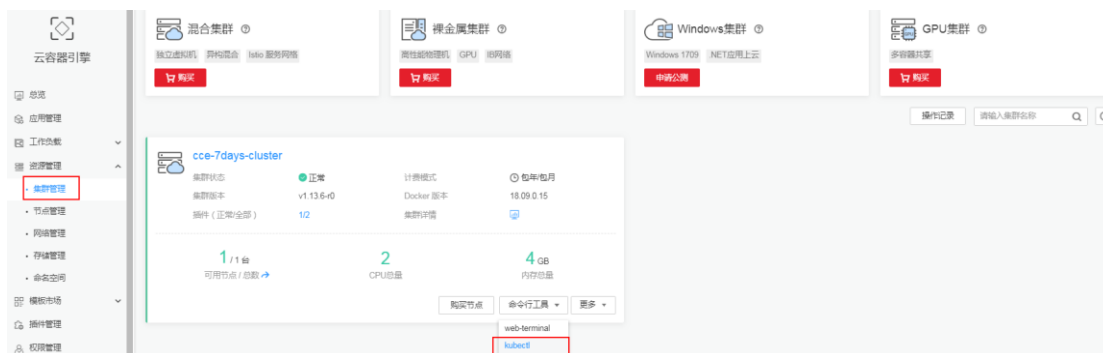
打卡：截图kubectl get nodes/kubectl get pods --all-namespaces命令行执行结果

2 通过 kubectl 访问 CCE 集群

1、进入资源管理 -> [节点管理](#)，获取node节点EIP后登录node节点



2、进入CCE集群界面，点击集群卡片右下角“命令行工具”-”kubectl”按钮，按下面的指导文档，在node节点上完成kubectl配置



A. 下载kubectl命令行工具并在node节点上安装

```
wget https://cce-storage.obs.cn-east-2.myhwclouds.com/kubectl.zip
```

```
unzip kubectl.zip
```

```
chmod 750 kubectl/kubectl
```

```
mv kubectl/kubectl /usr/local/bin/
```

- B. 下载kubectl配置文件并拷贝到node节点上
- C. 执行以下命令完成配置

```
mkdir -p $HOME/.kube
```

```
mv -f kubeconfig.json $HOME/.kube/config
```

```
kubectl config use-context internal
```

3 打卡截图：执行 kubectl 命令验证完成对接

1. kubectl cluster-info
2. kubectl get nodes
3. kubectl get pods --all-namespaces
4. kubectl get componentstatus

```
[root@cce-21days-cluster-51437 ~]# kubectl cluster-info
Kubernetes master is running at https://192.168.1.176:5443
KubeDNS is running at https://192.168.1.176:5443/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.
[root@cce-21days-cluster-51437 ~]# kubectl get nodes
NAME                 STATUS    ROLES    AGE   VERSION
192.168.1.109        Ready     <none>   18m   v1.9.10-r1-CCE2.0.13.B002
[root@cce-21days-cluster-51437 ~]# kubectl get pods --all-namespaces
NAMESPACE   NAME                                READY   STATUS    RESTARTS   AGE
kube-system  evs-driver-njgw2                    1/1     Running   0           19m
kube-system  icagent-p2nlf                      0/0     Running   0           18m
kube-system  kube-dns-797fb46c8-rsxn8           3/3     Running   0           19m
kube-system  obs-driver-brwrr                   1/1     Running   0           19m
kube-system  sfs-driver-vt2cj                   1/1     Running   0           19m
[root@cce-21days-cluster-51437 ~]# kubectl get componentstatus
NAME                STATUS    MESSAGE             ERROR
scheduler           Healthy   ok                     
controller-manager  Healthy   ok                     
etcd-3-events       Healthy   {"health": "true"}    
etcd-2-events       Healthy   {"health": "true"}    
etcd-0              Healthy   {"health": "true"}    
etcd-4-events       Healthy   {"health": "true"}    
etcd-1              Healthy   {"health": "true"}  
```