

知 CloudOS新增计算节点不生效

云主机

安装部署

zhiliao_6kFINK

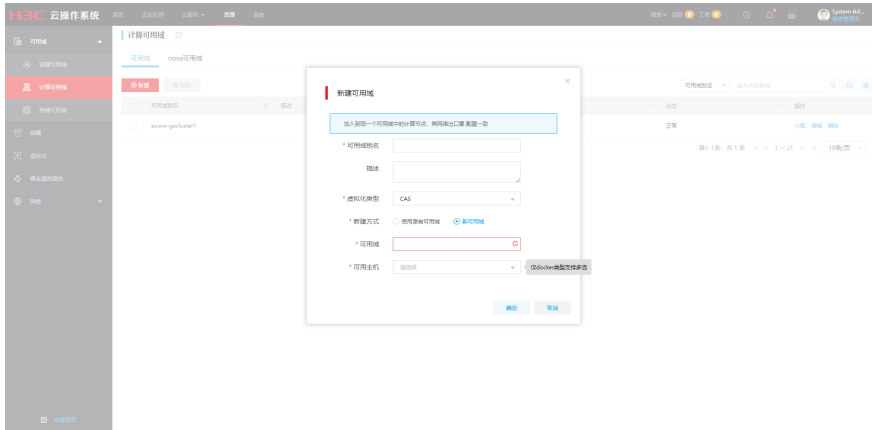
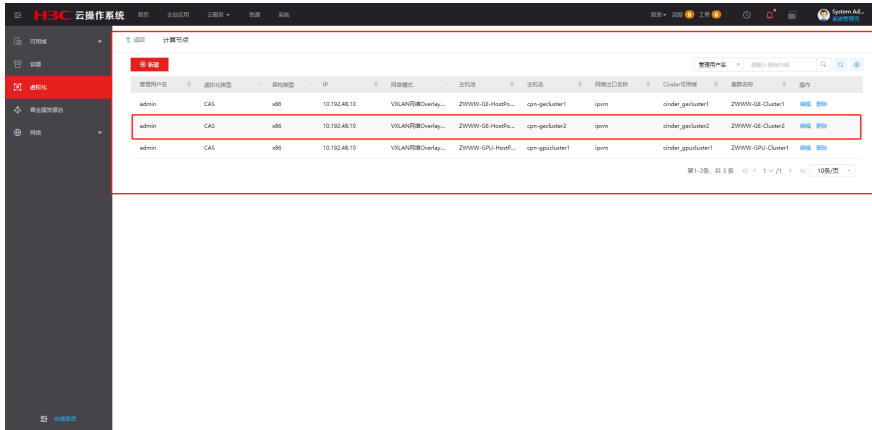
2023-04-18 发表

组网及说明

CloudOS E5137, 管理CAS3个主机池, 分为ZWWW-GE-HostPool1, ZWWW-GE-HostPool2, ZWWW-GPU-HostPool1

问题描述

在CloudOS的资源-虚拟化-计算节点页面，正常添加ZWWW-GE-HostPool2计算节点完成，后续添加计算可用域步骤找不到已经添加的计算节点。



过程分析

1. CloudOS后台查看，计算节点ZWWW-GE-HostPool2 对应容器状态为Running 0/1

```
root@zwww-cloudos01 ~# pod | grep cpm
cloudos-1aa5          cpm-gccluster1rc-2l0m  1/1    Running  0    1d    10.242.1.57    zwww-cloudos03 <none>
cloudos-1aa5          cpm-gccluster2rc-6rpd  0/1    Running  0    1m    10.242.0.194  zwww-cloudos03 <none>
cloudos-1aa5          cpm-gpucluster1rc-vm84m 1/1    Running  0    20m   10.242.0.190  zwww-cloudos03 <none>
root@zwww-cloudos01 ~#
```

2. 进入计算节点容器内，查看/var/log/nova/nova-compute.log日志，有报错提示“hostpool ZWWW-GE-HostPool2 doesn't include cluster ZWWW-GE-Cluster2”

```
2023-04-18 14:34:38.381 736 INFO oslo_vif [-] loaded VIF plugins: ovs, linux_bridge
2023-04-18 14:34:38.382 736 WARNING oslo_reports.guru_meditation_report [-] Guru meditation now registers SIGUSR1 and SIGUSR2 by default for backward compatibility. SIGUSR1 will no longer be registered in a future release, so please use SIGUSR2 to generate reports.
2023-04-18 14:34:38.670 736 INFO oslo.service.periodic_task [-] Scheduling periodic task: dtc_sync_m_states because its interval is negative
2023-04-18 14:34:38.680 736 WARNING oslo.config.cfg [-] Option "use_neutron" from group "DEFAULT" is deprecated for removal (nova-network is deprecated, as are any related configuration options.
. Its value may be silently ignored in the future.
2023-04-18 14:34:38.680 736 WARNING oslo.config.cfg [-] Config option None.pci_passthrough_whitelist is deprecated. Use option pci_passthrough_whitelist instead.
2023-04-18 14:34:38.720 736 WARNING oslo.config.cfg [-] Config option None.pci_passthrough_whitelist is deprecated. Use option pci_passthrough_whitelist instead.
2023-04-18 14:34:38.787 736 INFO nova.virt.driver [req-2e4632fe-e777-4a0d-baa5-a84bd11a07e6 - - - -] Loading compute driver: casapi.CasApiDriver
2023-04-18 14:34:38.842 736 WARNING oslo.config.cfg [req-2e4632fe-e777-4a0d-baa5-a84bd11a07e6 - - - -] Option "dhcpbridge" from group "DEFAULT" is deprecated for removal (nova-network is deprecated, as are any related configuration options.
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2023-04-18 14:34:38.845 736 WARNING oslo.config.cfg [req-2e4632fe-e777-4a0d-baa5-a84bd11a07e6 - - - -] Option "firewall_driver" from group "DEFAULT" is deprecated for removal (nova-network is deprecated, as are any related configuration options.
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2023-04-18 14:34:38.845 736 WARNING oslo.config.cfg [req-2e4632fe-e777-4a0d-baa5-a84bd11a07e6 - - - -] Option "force_dhcp_release" from group "DEFAULT" is deprecated for removal (nova-network is deprecated, as are any related configuration options.
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2023-04-18 14:34:38.845 736 WARNING oslo.config.cfg [req-2e4632fe-e777-4a0d-baa5-a84bd11a07e6 - - - -] Option "linuxnet_interface_driver" from group "DEFAULT" is deprecated for removal (nova-network is deprecated, as are any related configuration options.
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2023-04-18 14:34:38.887 736 WARNING oslo.config.cfg [-] Starting compute node (version 16.0.1.1.e17)
2023-04-18 14:34:38.917 736 ERROR nova.virt.casapi.host [req-2e4632fe-e777-4a0d-baa5-a84bd11a07e6 - - - -] hostpool ZWWW-GE-HostPool2 doesn't include cluster ZWWW-GE-Cluster2
2023-04-18 14:34:38.917 736 ERROR oslo.service.service [-] Error starting virtiofs-casapi on compute node: CAS host fault.
2023-04-18 14:34:38.917 736 ERROR oslo.service.service Traceback (most recent call last):
  File "/usr/lib/python2.7/site-packages/oslo_service/service.py", line 722, in run_service
    service.start()
  File "/usr/lib/python2.7/site-packages/nova/service.py", line 144, in start
    self.manager.init_host()
  File "/usr/lib/python2.7/site-packages/nova/compute/origin_manager.py", line 1658, in init_host
    self.driver.init_host(host=host)
  File "/usr/lib/python2.7/site-packages/nova/virt/casapi/driver.py", line 321, in init_host
    self._host = casapi.CasApiHost(self._session, self._network, self._virtapi, host)
  File "/usr/lib/python2.7/site-packages/nova/virt/casapi/host.py", line 1115, in __init__
    super(CasApiHost, self).__init__(session.network.virtapi.virthost)
  File "/usr/lib/python2.7/site-packages/nova/virt/casapi/host.py", line 156, in __init__
    self._cluster_list = self._get_cluster_list()
  File "/usr/lib/python2.7/site-packages/nova/virt/casapi/host.py", line 258, in _get_cluster_list
    raise cas_error.CasHostException()
2023-04-18 14:34:38.917 736 ERROR oslo.service.service CasHostException: CAS host fault.
2023-04-18 14:34:38.922 736 ERROR nova.service [req-2e4632fe-e777-4a0d-baa5-a84bd11a07e6 - - - -] Service error occurred during cleanup_host: AttributeError: 'NoneType' object has no attribute 'restart_event_listener'
2023-04-18 14:34:38.922 736 ERROR nova.service Traceback (most recent call last):
  File "/usr/lib/python2.7/site-packages/nova/service.py", line 267, in stop
    nova_compute.log 21497L, 3289002C
```

```
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  File "/usr/lib/python2.7/site-packages/nova/virt/casapi/host.py", line 156, in __init__
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```

3. 在添加计算节点时，主机名是自动查询填充的，且之后未修改过CAS侧集群名，仔细核对CAS侧主机名，发现ZWWW-GE-HostPool2主机池下集群名ZWWW-GE-Cluster2，由于在配置时是复制了主机池1下的集群1，主机名前有一个隐藏的空字符。



4. 在CAS修改ZWWW-GE-Cluster2集群名称，删除字符前的空格，等待一段时间后，计算节点对应的容器运行状态恢复正常。

```
px11
root@zwwm-cloudos01 ~|#
root@zwwm-cloudos01 ~|# pod | grep cni
root@zwwm-cloudos01 ~|# pod | grep cni
cloudos-1885      cni-decluster1rc-zh1ka      1/1      Running    0        1d      10.242.1.57      zwwm-cloudos03      <none>
解决办法      cni-decluster2rc-5c1fgd     1/1      Running    0        25m     10.242.0.194    zwwm-cloudos03      <none>
根本办法      cni-gpucluster1rc-vl8an     1/1      Running    0        4m      10.242.0.190    zwwm-cloudos03      <none>
root@zwwm-cloudos01 ~|#
```

CAS上集群名前有空格，CloudOS在添加计算节点关联主机池下集群时会自动删除字符前空格，导致因找不到主机池下对应的集群报错，删除CAS侧集群名前的空格字符问题自动恢复。

