

知 CloudOS下发虚拟机异常报错“no valid host was found. There are not enough hosts available”

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告警信息

no valid host was found. There are not enough hosts available.

问题描述

CloudOS版本：E5132P03

CAS版本：E0730P03（5台CVK）

下发虚拟机失败提示：no valid host was found. There are not enough hosts available.



1.登录cloudos后台进入nova容器通过nova show <虚拟机UUID>命令查看虚拟机异常报错信息，基本与前台报错一致，提示没有可用的资源。

```
cloudos-iaas      cni-networker      1/1      Running      0      12s
cloudos-iaas      cni-varc-rzs47      1/1      Running      0      12s
[root@ch3cloudos02 ~]# pod | grep nova
cloudos-iaas      os-nova-57bd4dd45b5-479tf      1/1      Running      0      13s
[root@ch3cloudos02 ~]# kubectl exec -it cloudos-iaas      os-nova-57bd4dd45b5-479tf bash
[root@os-nova-57bd4dd45b5-479tf /]# source /root/admin-openrc.sh
[root@os-nova-57bd4dd45b5-479tf /]# aea187f9-1901-437b-b9b8-6e34c2250e19
bash: aea187f9-1901-437b-b9b8-6e34c2250e19: command not found
[root@os-nova-57bd4dd45b5-479tf /]# nova show aea187f9-1901-437b-b9b8-6e34c2250e19
+-----+
| Property | Value |
```

description	file	line	column	message
fault				
conductor/manager.py", line 1127, in	File	1127	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
schedule_and_build_instances				
instance_uuids, return_alternates=True)	File	1127	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
File \\"usr/lib/python2.7/site-packages/nova/conductor/manager.py", line 724, in	File	724	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
_schedule_instances				
return_alternates=return_alternates)	File	724	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
File \\"usr/lib/python2.7/site-packages/nova/scheduler/utils.py", line 500, in	File	500	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
wrapped				
return func(*args, **kwargs)	File	500	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
File \\"usr/lib/python2.7/site-packages/nova/scheduler/client/_init_.py", line 53, in	File	53	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
select_destinations				
instance_uuids, return_objects, return_alternates)	File	53	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
File \\"usr/lib/python2.7/site-packages/nova/scheduler/client/_init_.py", line 37, in	File	37	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/
_run_method				
return getattr(self.instance, __name__)(*args, **kwargs)	File	37	13	["message": "No valid host was found. There are not enough hosts available.", "code": 500, "details": " File \\"usr/lib/python2.7/site-packages/nova/

2. 查看nova容器下的nova-scheduler.log日志，提示：过滤器过滤了所有主机，亲和性组策略过滤主机0台，反亲和性组策略过滤主机5台，可用域组策略过滤主机11台。

[illegible]

3. 查看cloudos纳管主机与用户配额得知该用户可用域为CAS下的5台主机，结合步骤二的日志初步判断反亲和性组过滤了可用的5台主机，导致具有相同反亲和性组的主机失败。

```
[root@os-nova-57bd4d45b5-d79tf nova]# nova hypervisor-list
```

ID	Hypervisor hostname	State	Status
2a474d5d-4aab-4b36-b05a-93a9a31f2d33	H3C-UIS05(CVM192.168.53.100)	down	enabled
96b025ef-f2c4-4c8d-923c-641a9b6d1993	H3C-UIS02(CVM192.168.53.100)	down	enabled
7317a1b5-b19e-47f9-a935-z286f2271302	H3C-UIS03(CVM192.168.53.100)	down	enabled
bb7cb9ca-e61e-4f44-a21c-c3775b7f83fc	H3C-UIS06(CVM192.168.53.100)	down	enabled
deb92238-1da0-4638-aad4-1ffec3c9779c	H3C-UIS01(CVM192.168.53.100)	down	enabled
53cb94dd-498e-4dfe-9744-7524779e6c2e	H3C-UIS04(CVM192.168.53.100)	down	enabled
5e409a56-16ef-4779-a25f-b1c121468a	domain-c7.176f0881a-2f6c-455c-b177-53af111a0973	up	enabled
3705e181-5eeb-4acd-bfff-999b7b1b1c92	domain-c7.4df10381-1b76-479d-a2a9-bec0d1fdd4e0	up	enabled
36270a3f-fed5-4b45-8a25-9870b8ec0186	domain-c7.176f0881a-2f6c-455c-b177-701435c1ebc7	up	enabled
f2c67446-b18a-4840-a24a-82ef31b72111	domain-c31.a04e55f98c-4c96-96a3-257a9be8ea9f	up	enabled
2276f918-ca98-462d-8f6f-58e20d6f1978	domain-c31.a04e55f98c-4c96-96a3-257a9be8ea9f	up	enabled
35439e35-1813-4626-95fd-a74c5557e686	cvknvde1(CVM192.168.54.10)	up	enabled
dfd50e65-729b-499a-9fe0-81fbb1909b5d	cvknvde4(CVM192.168.54.10)	up	enabled
61a06394-d72e-42e4-8ce5-31f693224b86	cvknvde5(CVM192.168.54.10)	up	enabled
91281113-4294-47e4-85be-d06cc6410154	cvknvde2(CVM192.168.54.10)	up	enabled
3d302155-a4d2-4183-9a6c-41064c62fd17	cvknvde3(CVM192.168.54.10)	up	enabled

```
[root@os-nova-57bd4d45b5-d79tf nova]#
```

4. 结论验证1：查看该用户下的反亲和性组及其虚机，IPTV反亲和性组策略下已有虚机5台。

所有者 ██████████

资源区域 HONGKONG 选择资源分配方式

☐ 指定物理主机
☒ 按实例规格选择物理主机/按实例规格选择物理主机必须同时选择计算节点上。按实例规格选择物理主机不能用在不同的计算节点上。对于同一可用域中的物理主机，同一规格实例组部署下的物理主机数量不能超过可用域中物理主机的数量。选择所需物理主机规格。

按实例规格选择物理主机 规格和性能

规格 普通型实例规格 CPU 全部 内存 全部

首页 云操作 资源 系统 网络 账号 资源 工单 帮助 我的资源

虚拟亲和性

新增 删除

名称 请输入名称内容

名称	亲和属性	管理云主机	用户	虚拟机	操作
test1	反亲和性				删除
IP平台	反亲和性		admin	root	删除
ip平台	反亲和性				删除
ip平台	反亲和性	IPTV-AD-delivery-2; IPTV-AD-deliv...			删除
IP	反亲和性				删除
IPV2	反亲和性	test2; IPTV-CMS-KBS-M-2; IPTV-C...			删除

