

# 知 某局点cloudos5.0+cas7.0下发虚拟机偶现失败

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## 组网及说明

cloudos5.0+cas7.0环境

#### 问题描述

某局点cloudos5.0下发虚拟机打cas7.0环境，每下发4个左右的虚拟机就会出现一个下发失败的虚拟机

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## 过程分析

以生成的异常的虚拟机的UUID，在对应的计算节点内的nova-compute.log日志排查发现有cas链接失败的报错，如下截图1。基本可以判断是由于cloudos和cas cvm之间的链接有问题。经过确认，现场没有修改过cas前台的admin的密码。

后台看tomcat的连接数为60左右，也在正常的范围内。

进一步排查cas界面上的参数配置发现客户端最大连接数被改为了20，而后台的连接数已经远超过20。着这种情况下，cloudos调用cas肯定会有问题。

```
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] resp_body = self._session.call_method("PUT", url)
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] file "/usr/lib/python2.7/site-packages/nova/virt/casapi/driver.py", line 1022, in call_method
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] resp_body = self._client.request(method, url, **kwargs)
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] file "/usr/lib/python2.7/site-packages/nova/virt/casapi/client.py", line 10
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] **kwargs)
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] file "/usr/lib/python2.7/site-packages/requests/api.py", line 58, in r
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] return session.request(method, url, **kwargs)
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] file "/usr/lib/python2.7/site-packages/requests/sessions.py", line 518
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] resp = self.send(prepared_request)
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] file "/usr/lib/python2.7/site-packages/requests/sessions.py", line 639
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] r = adapter.send(request, **kwargs)
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] file "/usr/lib/python2.7/site-packages/requests/adapters.py", line 502
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] raise ConnectionError(request=request)
2021-12-08 17:01:14.760 110778 ERROR nova.compute.origin_manager [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] ConnectionError: HTTPConnectionPool(host='10.163.54.251', port=8080): Ma
* certfile does not exist: /etc/pki/tls/private/centos7-ca.pem: [Errno 1] File not found
connection: [Errno 111] CONNECTION REFUSED] Caused by NonConnectionError: requests.packages.urllib3.connection.HTTPConnection object at 0x7f60... Failed to establish a new
2021-12-08 17:01:14.763 110778 INFO nova.compute.origin_manager [req-ba908e47-83ea-4c60-849f-75a02aeb911 51134688e1e148496fb398270f6bd7 639f542eb487460ea7cb4b81cf0f72 - default defa
ult] [instance: 4988ad2c-6f39-4825-9ea7-38b54db179d7] terminating instance...
```

## 解决方法

需要将cas的系统参数中的客户端最大连接数调整为一个合理的范围，根据现场有Ucentor和cloudos同时在条用cas，建议将改限制改为300（如下截图），改为300后多次下发虚拟机测试，问题没复现。



