

知 CAS部署AnolisOS8.6系统, 无法通过CASTool配置地址

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组网及说明

CAS版本为0730P11

问题描述

某局点CAS安装了一台AnolisOS8.6的虚拟机，在虚拟机界面修改网络，通过castool给虚拟机下方地址失败，失败截图如下：

The screenshot displays the '修改虚拟机 -- anolisOS8.6' (Modify VM) interface. The '网络' (Network) section is expanded, showing configuration options for '网卡IPv4' (NIC IPv4), '子网掩码' (Subnet Mask), '默认网关' (Default Gateway), and '首选DNS' (Preferred DNS). The '手工配置' (Manual Configuration) radio button is selected, and the IP address field is highlighted with a red box, containing the value '1.1.1.3'. Below the configuration form, a task log table is visible, with the first row highlighted in red, indicating a failed task.

任务名称	任务描述	任务详情	操作员	操作IP	开始时间	完成时间	操作
修改虚拟机 "anolisOS8.6" 网络 "0c0b411d9a58"	修改虚拟机...	失败	admin	10.255.238.3	2023-10-16 21:53:34	2023-10-16 21:53:34	取消
删除虚拟机 "window2016"	删除虚拟机...	成功	admin	10.255.238.3	2023-10-16 21:53:19	2023-10-16 21:53:20	取消

过程分析

1、CAS平台给虚拟机下发地址，是通过CASTOOL功能实现，虚拟机CASTOOL需要安装和运行。查看该局点的虚拟机CASTOOL已安装，界面显示运行状态，查看虚拟机的/var/log/qemu-ga.log日志，发现提示系统python命名无法执行，如下图所示。

```
2023-10-17T07:26:51.778813Z: critical: execute python to get serial failed the status is 1
2023-10-17T07:26:51.788388Z: critical: python command could not be found,please check your python.
2023-10-17T07:26:51.788413Z: critical: execute python to get serial failed the status is 1
2023-10-17T07:26:51.833832Z: critical: python command could not be found,please check your python.
2023-10-17T07:26:51.833882Z: critical: execute python to get serial failed the status is 1
2023-10-17T07:27:21.877785Z: critical: python command could not be found,please check your python.
2023-10-17T07:27:21.877737Z: critical: execute python to get serial failed the status is 1
2023-10-17T07:27:51.916264Z: critical: python command could not be found,please check your python.
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# tail -f /var/log/qemu-ga.log
2023-10-17T07:36:52.781536Z: critical: execute python to get serial failed the status is 1
2023-10-17T07:37:21.885388Z: critical: python command could not be found,please check your python.
2023-10-17T07:37:21.885371Z: critical: execute python to get serial failed the status is 1
2023-10-17T07:37:51.847828Z: critical: python command could not be found,please check your python.
2023-10-17T07:38:21.894425Z: critical: execute python to get serial failed the status is 1
2023-10-17T07:38:48.861838Z: critical: python command could not be found,please check your python.
2023-10-17T07:38:48.861878Z: message: set_network_v4 mac: 0c:da:41:1d:f3:65 ip: 1.1.1.5 mask: 255.255.255.0 gateway: dns: resta
rt: false return-code: 0x1
2023-10-17T07:38:48.869581Z: critical: python command could not be found,please check your python.
2023-10-17T07:38:48.869687Z: message: set_network_mtu mac: 0c:da:41:1d:f3:65 mtu: 1500 restart: false return-code: 0x1
2023-10-17T07:38:48.869688Z: critical: set_network error
2023-10-17T07:38:48.873835Z: critical: python command could not be found,please check your python.
2023-10-17T07:38:48.875855Z: message: set_network_restart: restart device, return-code: 0x1
2023-10-17T07:38:51.945327Z: critical: python command could not be found,please check your python.
```

2、在虚拟机系统执行python命令发现系统无法找到该命令，从而判断该虚拟机python没安装，导致castool无法执行修改虚拟机的脚步。

解决方法

- 1、在虚拟机系统执行 `yum -y install python3` 部署python即可解决。

