

## 知 CAS使用CASToolkit巡检提示无法连接数据库

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### 问题描述

此客户局点CAS使用CASToolkit巡检提示无法连接数据库

```
[root@cvknode2 CASToolkit]# python cas_inspection_manager.py
No handlers could be found for logger "inspection_utils"
Current user is root
Cas inspection fail, (2002, 'Can\'t connect to local MySQL server through socket \'/var/lib/mysql/mysql.sock\' (2 "No such file or directory"')
[root@cvknode2 CASToolkit]#
```

## 过程分析

1、尝试手动连接数据库，也提示无法正常连接数据库并且有提示/var/lib/mysql-share/is\_writable (Error code: 13 - Permission denied)

```
root@ITC4PRD-H06-13U-CVM-250-22:~# mysql -root -c
mysql: [Warning] Using a password on the command line can be insecure.
2022-07-07T02:53:06.466682Z [ERROR] Can't connect to local MySQL server through socket '/var/run/mysql/mysql.sock' (2)
root@ITC4PRD-H06-13U-CVM-250-22:~# netstat -s | grep 3306
systemctl command not found
root@ITC4PRD-H06-13U-CVM-250-22:~# systemctl status mysql
* MySQL Community Server 5.7.23 is not running
root@ITC4PRD-H06-13U-CVM-250-22:~# service mysql status
* MySQL Community Server 5.7.23 is not running
root@ITC4PRD-H06-13U-CVM-250-22:~# service mysql start
no directory, logging in with HOME=/
mysql: can't create/write to file '/var/lib/mysql-share/is_writable' (Errcode: 13 - Permission denied)
2022-07-07T02:53:06.466682Z [Warning] option 'expire_logs_days' is unsigned value 200 adjusted to 99
2022-07-07T02:53:06.467387Z [Warning] TIMESTAMP with implicit DEFAULT value is deprecated. Please use --explicit_defaults_for_timestamp server option (see documentation for more details).
2022-07-07T02:53:06.467387Z [Warning] 'NO_AUTO_CREATE_USER' sql mode was not set.
2022-07-07T02:53:06.546680Z [ERROR] --initialize specified but the data directory exists and is not writable. Aborting.
2022-07-07T02:53:06.546680Z [ERROR] Aborting
no directory, logging in with HOME=/
..... * MySQL Community Server 5.7.23 did not start. Please check logs for more details.
root@ITC4PRD-H06-13U-CVM-250-22:~# service mysql status
* MySQL Community Server 5.7.23 is not running
```

2、使用命令service mysql status查看发现没有正常运行

```
root@ITC4PRD-H06-13U-CVM-250-22:~# service mysql status
* MySQL Community Server 5.7.23 is not running
root@ITC4PRD-H06-13U-CVM-250-22:~# cd /var/lib/
```

3、但是根据客户反馈目前并没有业务影响，虚拟机也正常运行。如果真的数据库服务异常业务也会受到影响，与客户现场不符。CAS中只有双机中的主机会有数据库运行，其他主机不会运行数据库服务。通过crm status查看双机状态确定，当前使用CAStoolkit工具的主机并非CAS中CVM主机

```
[root@cvknode2 mysql-share]# crm status
master : cvknode1 (Online)
slave  : cvknode2 (Online)
quorum : [controller] cvknode3 (Online)
-----
webip : [redacted] Started cvknode1
Master/Slave Set: [/var/lib/mysql-share]
  Master: [cvknode1]
  Slave  : [cvknode2]
mysql : Started cvknode1
tomcat: Started cvknode1
-----
[root@cvknode2 mysql-share]# █
```

## 解决方法

把CASToolkit放在CAS的CVM主机中运行解决。

