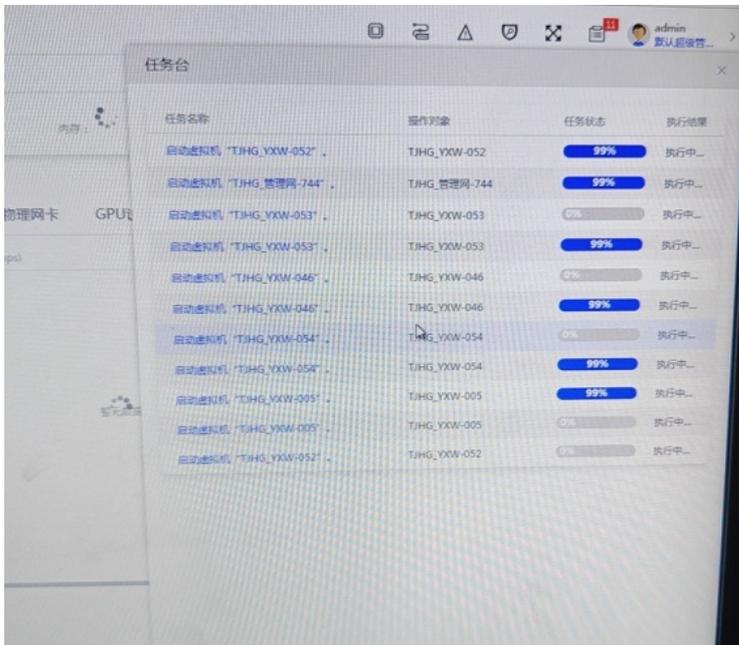
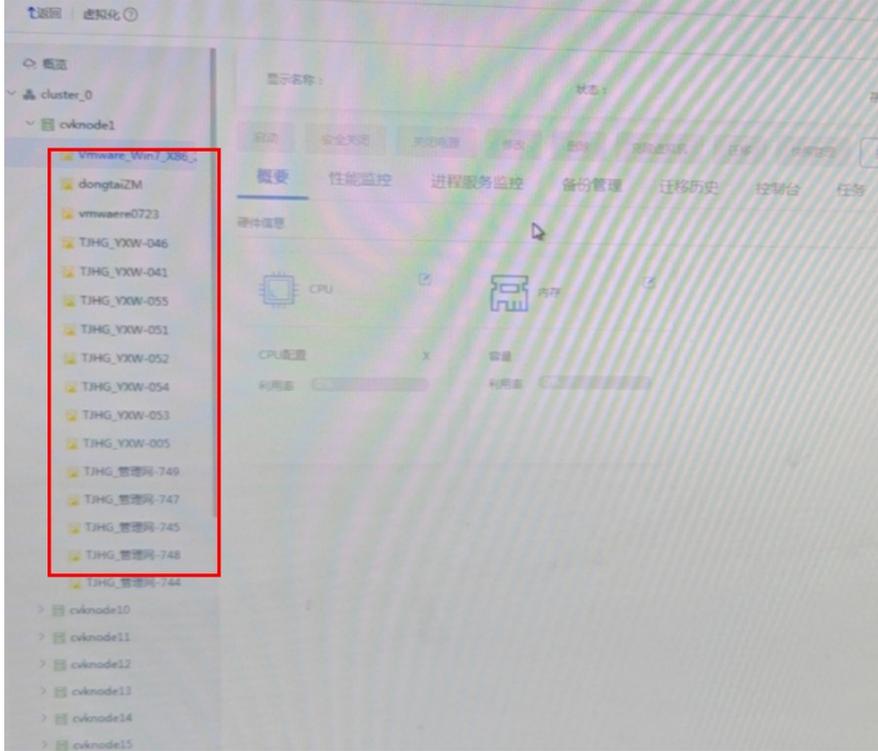


Workspace E1015版本，前台一主机下的虚拟机均显示黄色

母鑫 2023-11-06 发表

问题描述

现场版本为E1015版本，前台数据中心页面一主机下虚拟机均显示为黄色，且点击主机信息一致在加载转圈中，而且前台界面启动虚拟机一直在排队中，如下截图：



过程分析

- 1、在后台执行ocfs2_kernel_stat_collect.sh脚本，发现并无异常

```
[root@cvknode1 ~]#  
[root@cvknode1 ~]# ocfs2_kernel_stat_collect.sh  
[root@cvknode1 ~]#
```

- 2、在后台执行virsh list --all脚本发现无回显，一直处于卡主的状态，则考虑libvirt的问题

```
[root@cvknode1 ~]#  
[root@cvknode1 ~]# virsh list --all
```

- 3、查看主机上libvirt的日志（路径为/var/log/libvirt/libvirt.log）发现一直打印IO error的报错

```
2023-11-02 16:13:42.204+0000: 6210: error: virNetSocketReadWire:1829: End of file while reading data: Input/output error  
2023-11-02 16:13:42.204+0000: 6210: error: virNetSocketReadWire:1829: End of file while reading data: Input/output error  
2023-11-02 16:13:42.204+0000: 6210: error: virNetSocketReadWire:1829: End of file while reading data: Input/output error  
2023-11-02 16:13:42.204+0000: 6210: error: virNetSocketReadWire:1829: End of file while reading data: Input/output error  
2023-11-02 16:13:42.204+0000: 6210: error: virNetSocketReadWire:1829: End of file while reading data: Input/output error  
2023-11-02 16:13:42.204+0000: 6210: error: virNetSocketReadWire:1829: End of file while reading data: Input/output error
```

- 4、主机后台查看libvirt状态（systemctl status libvirtd）显示为running状态，怀疑libvirt服务已经异常

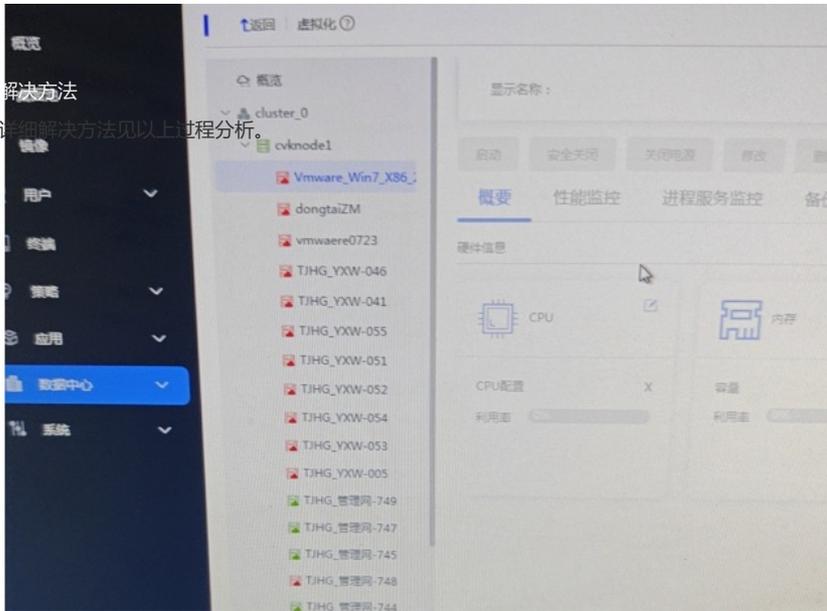
```
[root@cvknode1 ~]# systemctl status libvirtd  
● libvirtd.service - Virtualization daemon  
   Loaded: loaded (/usr/lib/systemd/system/libvirtd.service; enabled; vendor preset: enabled)  
   Active: active (running) since Fri 2023-07-21 22:52:02 CST; 3 months 12 days ago  
     Docs: man:libvirtd(8)  
           https://libvirt.org  
  Main PID: 6210 (libvirtd)  
    Tasks: 220 (limit: 32768)  
   Memory: 94.6M  
   CGroup: /system.slice/libvirtd.service  
           └─6210 /usr/sbin/libvirtd --timeout 120
```

- 5、重启libvirt服务(systemctl restart libvirtd)，重启完之后查看libvirt的日志，提示无法打开相应的存储文件，显示如下：

```
[root@cvknode1 ~]# tail /var/log/libvirt/libvirt.log  
2023-11-02 16:39:50.832+0000: 36175: error: virStorageFileProbeFormat:1040: Failed to open file '/vms/NewLun02/TJHGd4bde7313343b483877e62b0fb822_base_1': No such file or directory  
2023-11-02 16:39:50.834+0000: 36175: error: storageBackendProbeTarget:4044: internal error: cannot probe backing volume format: /vms/NewLun02/TJHGd4bde7313343b483877e62b0fb822_base_1  
2023-11-02 16:39:50.834+0000: 36175: error: virStorageFileProbeFormat:1040: Failed to open file '/vms/NewLun02/TJHGd59e0f79c73f4a018dc513b3457e124e_base_1': No such file or directory  
2023-11-02 16:39:50.834+0000: 36175: error: storageBackendProbeTarget:4044: internal error: cannot probe backing volume format: /vms/NewLun02/TJHGd59e0f79c73f4a018dc513b3457e124e_base_1  
2023-11-02 16:39:50.834+0000: 36175: error: virStorageFileProbeFormat:1040: Failed to open file '/vms/NewLun02/TJHGd4bde7313343b483877e62b0fb822': No such file or directory  
2023-11-02 16:39:50.834+0000: 36175: error: storageBackendProbeTarget:4044: internal error: cannot probe backing volume format: /vms/NewLun02/TJHGd4bde7313343b483877e62b0fb822  
2023-11-02 16:39:50.855+0000: 36175: error: virStorageFileProbeFormat:1040: Failed to open file '/vms/NewLun02/TJHGd59e0f79c73f4a018dc513b3457e124e': No such file or directory  
2023-11-02 16:39:50.855+0000: 36175: error: storageBackendProbeTarget:4044: internal error: cannot probe backing volume format: /vms/NewLun02/TJHGd59e0f79c73f4a018dc513b3457e124e  
2023-11-02 16:39:51.067+0000: 36175: warning: storageSendStatToHA:245: call Mqn HA command, pool HDS01, status active, outbuf: error: 0 result:success
```

- 6、后台重新执行virsh list --all此时能看到相应的虚拟机信息，前台页面也恢复正常

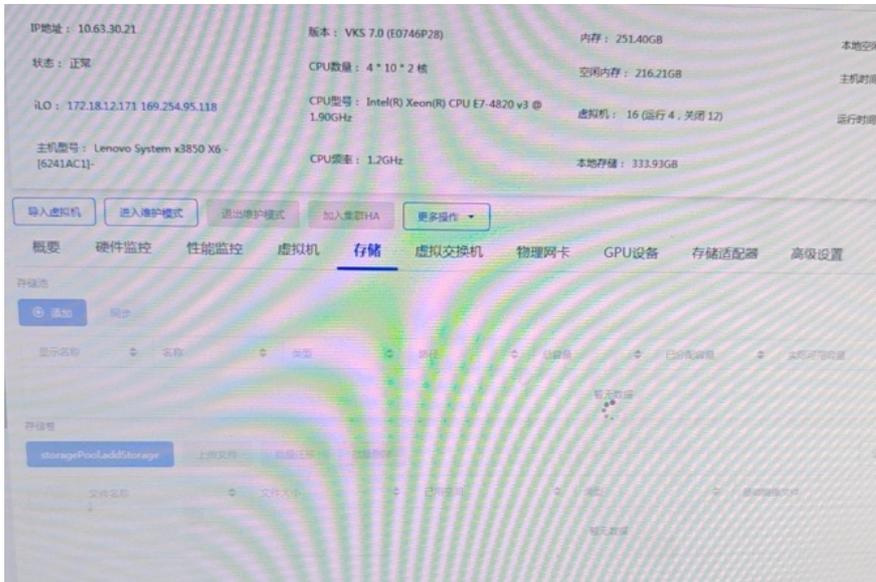
```
[root@cvknode1 ~]# virsh list --all  
-----  
Id      Name                                     State  
-----  
149     TJHG71d54e40691c476db28b1d615d020a8b  running  
151     TJHG03f3d3b1df694bccb246af953f3bf82f  running  
186     TJHGC756681be6d74ff8823fc113f03f5546  running  
230     TJHG9c94517a8e0e4cdf9223fd664305e652  running  
-       dongtaiZM                               shut off  
-       TJHG01edd439396d4adf9ea3ae0d4fb38617  shut off  
-       TJHG087afefc328748aaa79cc73e402b7d30  shut off  
-       vmwaere0723                              shut off  
-       Vmware_win7_X86_20220927                 shut off  
-       YXW0550e058ddfe4336b24ae149a5e89aaa  shut off  
-       YXW1ba6b5ad45d7489b86aabfaf31bca6b6  shut off  
-       YXW208ac155355041a59cf60be1fb94c082  shut off  
-       YXW2c78824c97d743bd992d611c5f0443c6  shut off  
-       YXW33401ad36c5c46d58e7c18e2b0602317  shut off  
-       YXWb56b3030ab2143959d47eeb50d9eeb80  shut off  
-       YXWbfbcb8a68c28640bba789e2dae4d76043  shut off  
-       YXWc13f1bb143c445868bee3c12b425a3f4  shut off
```



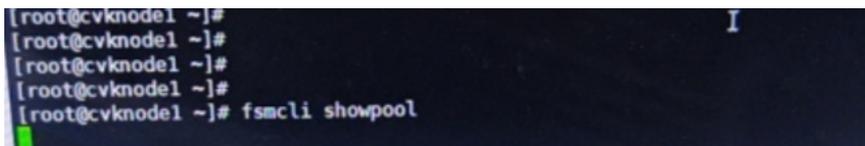
解决方法

详细解决方法见以上过程分析。

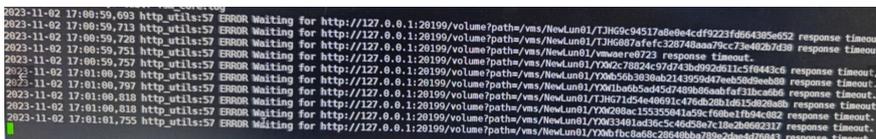
7、前台页面点击主机下的存储页签，发现还是一直在转圈中



8、在主机后台执行fsmcli showpool发现无法获取到相关存储池信息



9、查看fsm_core日志(/var/log/fsm/fsm_core.log) 提示如下，发现回应超时



10、通过df -h查询到日志报错中的/vms/Lun01挂载的设备为/dev/dm-3，通过iostat -x 1 /dev/dm-3来确认存储的状态，发现存储是正常读写的，如图

```
[root@cvknode1 fsm]# iostat -x 1 /dev/dm-3
Linux 5.10.38-21.el7.x86_64 (cvknode1) 11/02/2023 _x86_64_ (00 CPU)
avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           5.12    0.02   6.71    0.43    0.00   87.72
```