

How to collect H3C server RAID card logs offline

Servers 蒋笑添 2020-10-06 Published

Network Topology

null

Problem Description

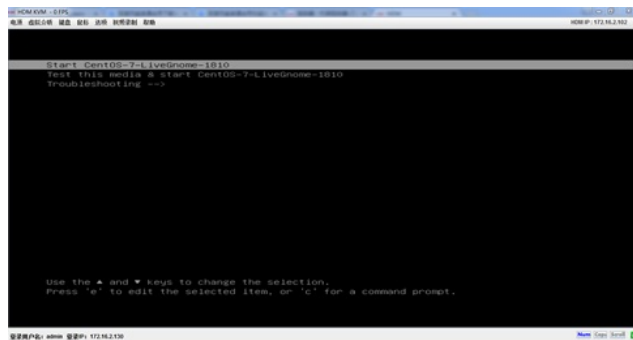
Collect H3C server RAID card logs without affecting the user's original operating system.

Process Analysis

Commonly used RAID card log collection method is to install tools to collect under the user's system, PMC card using arconf tool, LSI card using storcli tool. If the user does not accept the installation of tools under the current system, can accept a downtime, you can use the remote console to mount the LiveGNOME version of the image file, with the help of a small linux system to boot, and collect logs, the machine restarts and does not affect the user's original system.

Solution

1. Mount the image file CentOS-7-x86_64-LiveGNOME-1810.iso in HDM remote console, boot from Virtual CDROM, and select the first item to directly enter the LiveGNOME system, which will be loaded into the memory and run, but not installed on the hard disk, so that the next boot will not affect the user's original system.



2. Select the system language and keyboard language.
3. Enter the system and collect the RAID card logs."

3.1 LSI RAID cards.

(1) Install the storcli tool: `rpm -ivh storcli-007.0709.0000.0000-1.noarch.rpm`

```
[root@localhost ~]# cd /home/liveuser/Desktop/
[root@localhost Desktop]# ls
liveinst.desktop  storcli-007.0709.0000.0000-1.noarch.rpm  system-config-keyboard.desktop
[root@localhost Desktop]# rpm -ivh storcli-007.0709.0000.0000-1.noarch.rpm
Preparing...
Updating / installing...
 1:storcli-007.0709.0000.0000-1 [100%]
```

(2) The installation directory for the storcli utility is /opt/MegaRAID/storcli/storcli64, copy it to this directory.

```
[root@localhost Desktop]# cd /opt/MegaRAID/storcli/
[root@localhost storcli]# ls
1.txt  install.log  storcli64
[root@localhost storcli]#
```

(3) Collect logs: `/opt/MegaRAID/storcli/storcli64 /c0 show termlog >/usr/bin/filename.txt`
`/opt/MegaRAID/storcli/storcli64 /c0 show events >/usr/bin/filename.txt`

The termlog log records all the log information from the initialization of the RAID card, while the event log records the actions of the RAID card and the hard disk in the form of events. The collected RAID card logs (termlog log and event log) are stored in the /usr/bin directory (the directory and file name can be specified arbitrarily), and then copied from a USB flash drive.

3.2 PMC RAID card logging

- (1) Place the no-installation arconf tool in any directory (pictured here as /home/liveuser/Desktop).
- (2) Cut to that directory and `chmod +x arconf` to give execution permissions.
- (3). /arconf savesupportarchive Collects RAID card logs.

```
[root@localhost ~]# cd /home/livexuser/Desktop/
[root@localhost Desktop]# ls
arccnf livexinst.desktop system-config-keyboard.desktop
[root@localhost Desktop]# showx-arccnf
[root@localhost Desktop]# arccnf-saveSupportarchive
Controllers found: 1

Usage: SAVEDSUPPORTARCHIVE [Path] [Firmware|GUI|CIM|Arccnf|Storlib|Agent|Basecode]
Example: SAVEDSUPPORTARCHIVE C:\Adaptsc\maxView Firmware
Example: SAVEDSUPPORTARCHIVE /var/log/maxView Storlib
Example: SAVEDSUPPORTARCHIVE .

=====
Saves all the logs
Path          : directory other than default
Firmware      : saves Firmware logs
GUI           : saves GUI logs
CIM           : saves CIM logs
Arccnf        : saves Arccnf logs
Storlib       : saves Storlib logs
Agent         : saves Agent logs
Basecode      : saves Basecode logs

The path is not specified, Using the default. The logs are saved in relevant folders in /var/log/Support
Command completed successfully.
```

(4) The RAID card logs are stored in the directory /var/log/Support by default, copy all the files under Support to a USB flash drive.

```
[root@localhost Desktop]# cd /var/log
[root@localhost log]# ls
arccnf.log  Controller 1 Monitor.log.csv  glusterfs  pluto  speech-dispatcher  UcliEvt.log
arccnf.txt  Controller 1 Monitor.log.txt  grubby.prune.debug  ppp  spooler  wpa_supplicant.log
audit      cups        maillog          nsd  squid  wtmp
boot.log   dmsg       messages        ns  support  Xorg.0.log
brp        firewalld  ntpstats       samba  tallylog  yum.log
chrony     gdm
[root@localhost log]# cd Support/
[root@localhost Support]# ls
bash: s: command not found...
[root@localhost Support]# ls
Agent  Arccnf  Basecode  CIM  Firmware  GUI  Storlib
[root@localhost Support]#
```