

知 某局点 UIS 升级失败，报错提示'verify failed'的经验案例

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问题描述

现场UIS 版本为E0715，准备升级至E0720的版本，需要从E0716进行过渡，升级E0716之后报错

```
Is the host info of the cluster correct? (yes/no):yes
[2021-03-20 23:10:30] Start to install the script package in master node
[2021-03-20 23:10:32] Finish installing the script package in master node
[2021-03-20 23:10:32] Start to upload the script package
[2021-03-20 23:10:37] Finish uploading the script package to all node
[2021-03-20 23:10:37] Start to install the script package,please wait...
[2021-03-20 23:11:07] Finish installing the script package in all node
[2021-03-20 23:11:10] Start to set layer
[2021-03-20 23:11:20] Finish setting the layer
[2021-03-20 23:11:20] Start to upload the layerfile
[2021-03-20 23:11:23] Finish uploading the layerfile
[2021-03-20 23:11:23] Start to initialize the flag
[2021-03-20 23:11:30] Finish
[2021-03-20 23:11:30] ===== precheck =====
[2021-03-20 23:13:14] Result: success!
[INFO] Pre-check ONEStor has passed.
[WARN] UIS will be only upgraded ONEStor offline from ONEStor-R2130 to ONEStor-R2130P01. Continue? [yes
[WARN] Please enter [yes/no]:
yes
[INFO] Begin to upgrade ONEStor...
[2021-03-20 23:14:20] Start offline upgrade
[2021-03-20 23:15:29] Start to precheck, please wait...
[2021-03-20 23:17:00] Succeed to precheck
[2021-03-20 23:17:00] start to backup the system, please wait...
[2021-03-20 23:17:26] Failed to backup the system in 10.10.10.14 because of rsync error, retry...
[2021-03-20 23:17:27] Failed to backup the system in 10.10.10.17 because of rsync error, retry...
[2021-03-20 23:17:30] Failed to backup the system in 10.10.10.18 because of rsync error, retry...
[2021-03-20 23:17:31] Failed to backup the system in 10.10.10.20 because of rsync error, retry...
[2021-03-20 23:17:42] Failed to backup the system in 10.10.10.15 because of rsync error, retry...
[2021-03-20 23:18:00] Failed to backup the system in 10.10.10.15 because of rsync error, retry...
[2021-03-20 23:19:50] Succeed to backup the system
[2021-03-20 23:19:50] Start to download, please wait...
[2021-03-20 23:23:51] Succeed to download
[2021-03-20 23:23:51] Start to stop service, please wait...
[2021-03-20 23:25:12] Succeed to stop service
[2021-03-20 23:25:12] Start to upgrade components, please wait...
[2021-03-20 23:29:54] Succeed to upgrade components
[2021-03-20 23:29:54] Start to restart service
[2021-03-20 23:31:30] Succeed to restart service
[2021-03-20 23:31:30] Start to verify, please wait...
verify^H^H^HFollowing hosts:[['10.10.10.1']] verify failed. now you should solve this problem accordi
manual instruction,then input yes or no: yes
[2021-03-20 23:34:34] host 10.10.10.1 is attempt to retry verify, please waiting...
Following hosts:[['10.10.10.1']] verify failed. now you should solve this problem according to manual i
nstruction,then input yes or no:
```

过程分析

- 1、df -h查看空间是否占满//未发现有超过90%的
- 2、查看高版本说明书 //未发现有版本问题
- 3、分析日志var/log/upgrade_sh.log //提示handy sql相关的verify失败

```
2021-03-21 02:56:53 [INFO] new path is /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/opt/h3c/bin:/opt/h3c/sbin::/opt/h3c/jre1.8.0_162/bin:/opt/h3c/per15/bin:/opt/h3c/bin:/opt/h3c/sbin:/opt/h3c/zookeeper/bin
2021-03-21 02:56:53 [INFO] this node is not mon, need not do verify
2021-03-21 02:56:53 [INFO] begin verify osd
2021-03-21 02:56:53 [INFO] osd is ok
2021-03-21 02:56:53 [INFO] begin verify mds
2021-03-21 02:56:53 [INFO] mds is ok
2021-03-21 02:56:53 [INFO] begin verify ctdb
2021-03-21 02:56:53 [INFO] ctdb is ok
2021-03-21 02:56:53 [INFO] begin verify cephfs
2021-03-21 02:56:53 [INFO] cephfs is ok
2021-03-21 02:56:53 [INFO] begin verify dnsmasq
2021-03-21 02:56:53 [INFO] dnsmasq is ok
2021-03-21 02:56:53 [INFO] ftp is ok
2021-03-21 02:56:53 [INFO] themis is ok
2021-03-21 02:56:53 [INFO] keepalived is ok
2021-03-21 02:57:00 [INFO] begin handle sql and licence
2021-03-21 02:59:23 [ERROR] handy sql verify failed, ret=1
2021-03-21 02:59:23 [INFO] finish verify
2021-03-21 03:09:25 [INFO] start to verify...
2021-03-21 03:09:25 [INFO] old path is /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/opt/bin:/opt/h3c/bin:/opt/h3c/sbin:/usr/local/games:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/opt/h3c/bin:/opt/h3c/sbin::/opt/h3c/jre1.8.0_162/bin:/opt/h3c/per15/bin:/opt/h3c/bin:/opt/h3c/sbin:/opt/h3c/zookeeper/bin
2021-03-21 03:09:25 [INFO] this node is not mon, need not do verify
2021-03-21 03:09:25 [INFO] begin verify osd
2021-03-21 03:09:25 [INFO] osd is ok
2021-03-21 03:09:25 [INFO] begin verify mds
2021-03-21 03:09:25 [INFO] mds is ok
2021-03-21 03:09:25 [INFO] begin verify ctdb
2021-03-21 03:09:25 [INFO] ctdb is ok
2021-03-21 03:09:25 [INFO] begin verify cephfs
2021-03-21 03:09:25 [INFO] cephfs is ok
2021-03-21 03:09:25 [INFO] begin verify dnsmasq
2021-03-21 03:09:25 [INFO] dnsmasq is ok
2021-03-21 03:09:25 [INFO] ftp is ok
2021-03-21 03:09:28 [INFO] themis is ok
2021-03-21 03:09:28 [INFO] keepalived is ok
2021-03-21 03:09:32 [INFO] begin handle sql and licence
2021-03-21 03:11:54 [ERROR] handy sql verify failed, ret=1
2021-03-21 03:11:54 [INFO] finish verify
[root@bcvnode1 upgrade]# win upgrade_sh.log
```

- 4、查看 /var/log/shell_util/package.log

```
[2021-03-21 02:13:02][install] decompress complete.
[2021-03-21 02:13:02][install] -----install expect -----
[2021-03-21 02:13:02][install] check expect...
[2021-03-21 02:13:03][install] expect already installed,continue...
[2021-03-21 02:13:03][install] -----install M2Crypto -----
[2021-03-21 02:13:03][install] install M2Crypto...
[2021-03-21 02:13:04][install] M2Crypto already installed
[2021-03-21 02:13:04][install] M2Crypto already installed
r V3 RSA/SHA256 Signature, key ID f4a80eb5: warning: tools_tmp/dev_tools/m2crypto-0.21.1-17.e17.x86_64.rpm
17.e17.x86_64 is already installed
[2021-03-21 02:13:04][install] -----install devtools -----
[2021-03-21 02:13:04][install] is_install=[ false], not X10000 device, install devmgr dependencies only ...
[2021-03-21 02:13:04][install] decompress tools_tmp/devmgr-2.3.10_CentOS_Linux_release_7.5.1804.tar.bz2 ...
[2021-03-21 02:13:04][install] tar -xmf tools_tmp/devmgr-2.3.10_CentOS_Linux_release_7.5.1804.tar.bz2 -C tools_tmp
[2021-03-21 02:13:04][install] decompress complete.
[2021-03-21 02:13:04][install] devmgr_install: only install the library
[2021-03-21 02:13:04][install] install devmgr done.
[2021-03-21 02:13:04][install] install devmgr dependencies only done
[2021-03-21 02:13:04][install] will check if devmgr supports.
[2021-03-21 02:13:04][install] not support devmgr_sds, not install devmgr_sds.
[2021-03-21 02:13:04][install] -----install atop -----
[2021-03-21 02:13:04][install] atop-2.3.0-24.x86_64.rpm
[2021-03-21 02:13:05][install] install atop_version:atop-2.3.0-24.x86_64.rpm
[2021-03-21 02:13:06][install] uminstall old atop ...
[2021-03-21 02:13:06][install] clear older atop ...
[2021-03-21 02:13:06][install] install atop ...
[2021-03-21 02:13:11][install] install atop done.
[2021-03-21 02:13:11][install] -----install public tools-----
[2021-03-21 02:13:11][install] decompress tools_tmp/tools.tar.gz ...
[2021-03-21 02:13:11][install] tar -xmf tools_tmp/tools.tar.gz -C packages_tmp
[2021-03-21 02:13:11][install] decompress complete.
[2021-03-21 02:13:11][install] WARNING: detect UIS environment, no need to install or upgrade storcli/ssacli
[2021-03-21 02:13:11][install] remove storcli, ssacli from the installation package...
[2021-03-21 02:13:11][install] done
[2021-03-21 02:13:11][install] Decompress centos tools...
[2021-03-21 02:13:11][install] decompress tools_tmp/centos.tar.gz ...
[2021-03-21 02:13:11][install] tar -xmf tools_tmp/centos.tar.gz -C packages_tmp
[2021-03-21 02:13:11][install] decompress complete.
[2021-03-21 02:13:11][install] install public tools and centos tools...
[2021-03-21 02:13:11][install] done
```

解决方法

原因：服务器或者raid卡混用，导致安装handy后数据库检验失败。需要屏蔽handy节点的设备管理（将返回值修改为false）然后继续升级才能通过

- 1、执行 `sed -i 's/\$result/false/g' /opt/h3c/sbin/check_raid_support`
- 2、执行 `check_raid_support`查看回显为false即可

```
[root@cvknode1 ~]#
[root@cvknode1 ~]# sed -i 's/\$result/false/g' /opt/h3c/sbin/check_raid_support
[root@cvknode1 ~]#
[root@cvknode1 ~]#
[root@cvknode1 ~]# check_raid_support
false
[root@cvknode1 ~]#
```

之后升级成功

```
10.10.10.20 is ok
start change process config
mon.cvknod2: injectargs:mon_osd_down_out_interval = '300' (not observed, change may require restart)
mon.cvknod3: injectargs:mon_osd_down_out_interval = '300' (not observed, change may require restart)
mon.cvknod5: injectargs:mon_osd_down_out_interval = '300' (not observed, change may require restart)
mon.cvknod6: injectargs:mon_osd_down_out_interval = '300' (not observed, change may require restart)
mon.cvknod7: injectargs:mon_osd_down_out_interval = '300' (not observed, change may require restart)
mon.cvknod11: injectargs:mon_osd_down_out_interval = '300' (not observed, change may require restart)
mon.cvknod12: injectargs:mon_osd_down_out_interval = '300' (not observed, change may require restart)
change process config ok
start check mon nodes process
10.10.10.11 is ok
10.10.10.12 is ok
10.10.10.2 is ok
10.10.10.3 is ok
10.10.10.5 is ok
10.10.10.6 is ok
10.10.10.7 is ok
[INFO] Begin to post-check status of ONEStor environment.
[2021-03-21 04:27:52] ***** postcheck *****
[2021-03-21 04:29:13] Result: success!
[INFO] Post-check the status of ONEStor environment has been done, postcheck success!
[WARN] You can see more details in log: /var/log/upgrade/upgrade_sh.log and /var/log/upgrade/onestor-postcheck-report_20210321040000.txt
[DEBUG] Onestor postcheck, recovery environment, change port to 10001.
apache2
Stopping Apache ..... [OK]
apache2
Gracefully restarting apache2: httpd not running, trying to start
apache2
Apache server is running
[INFO] End to post-check status of ONEStor environment.
```

或者屏蔽设备管理vim /opt/h3c/sbin/devmgr_check_dev_type把for_DM_ONEStor返回的true修改为false就行

```
def check_raid_card():
    """
    DM ONEStor_list 中目前只支持LSI的raid卡
    return: True or False
    """
    ret = False
    return ret
    count = 0
    try:
        # Intel Corporation Device 201d是虚拟的，排除掉；有部分RAID
        raid_cmd = "lspci 2>/dev/null | grep -E 'SCSI controller|RA
        cmd_ret = os.popen(raid_cmd).read().strip().split('\n')
```

