

排除故障a.c. -系列服务器重新启动

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简介

本文描述如何确定重新启动或关闭是否启动在硬件方面或从操作系统(OS)。

当您为什么确定服务器重新启动的或关闭时，有着重的几个好日志位置。当您通过思科集成管理控制器(CIMC)时技术支持搜索，请查找/var/log/messages或失败记录日志(OBFL)日志。

在本文提供的示例输出是从/var/log/messages或OBFL以及OS日志ESXi、RHEL和Windows的。

先决条件

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- 思科统一计算系统(UCS) C200-M1固件版本1.4(3w)
- Cisco UCS C210-M2固件版本1.4(3w)
- Cisco UCS C220-M3固件版本2.0(3d)
- Cisco UCS C220-M4固件版本2.0(3f)
- ESXi 5.0 U2
- RHEL 6.6
- Windows 2008个R2

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

背景信息

重新启动可以是预计或意外的。当重新启动预计时，也许是不是所有的主要负责人期待它。有更改控制进程适当所有重新启动的是重要的或关闭维护任务为了保证大家知道操作。

预计重新启动

这是由人、进程或者脚本故意地启动的所有重新启动或关闭事件。这可以在几个方式之一中启动。重新启动发生的方案的这些日志片断可帮助识别，因此您能搜寻谁或什么采取了行动：

- 通过CIMC GUI
- 从OS
- 当您按在服务器的前面的前面板按钮

意外的重新启动

这是没有计划也没有预计的所有重新启动，但是可能由起启动操作的人或进程仍然预计。并且，也许已经有一个硬件故障类似—PSU失败或断电在数据中心。这些可以启动用几个方式。

如果确定前面板按钮按，您能搜寻谁访问物理访问数据中心在重新启动时。如果它是电源问题，请从事数据中心团队发现是否当时有电源故障。

- 通过CIMC GUI
- 从OS

- 当您按在服务器的前面的前面板按钮
- 从硬件故障例如PSU失败或坏电源电缆
- 功率分配单元(PDU)失败在数据中心
- 不间断电源(不间断电源)失败或断电或者灯火管制在数据中心

关键点

- CIMC启动的重新启动、关闭和电源on的在日志总是包括“do_power”关键字。
- 当您运行更新的固件版本时，前面板按钮按包括“passthrough_pin2_isr”。并且，没有可能的从此的关联的OS级别事件。
- OS启动重新启动，并且关闭有一个相关的OS级别事件。并且请注意“do_power”没有被记录，并且“高压模式”可以被记录。

聚集分析的日志促销包

在您检查相关日志前，您首先需要生成日志套件。当您比较对在本文的输出示例请使用这些资源为了创建必要的日志供参考为：

C系列CIMC技术支持

[收集技术支持文件的视觉指南\(B和C系列\)](#)

ESXi

[vmware知识库](#)

RHEL

[什么是sosreport和如何创建一在Red帽子恩特普赖斯Linux 4.6中及以后？](#)

Windows

[归档Windows事件日志](#)

不同的重新启动和关闭情况的预期的输出

从OS的重新启动- ESXi、RHEL和Windows

OBFL日志

```
5:2015 May 15 14:46:03:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x6 Cmd:0x6 Resp:0x0
5:2015 May 15 14:46:03:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0x85 0x83
5:2015 May 15 14:46:03:BMC:IPMI:567: VirtualSEL.c:224:SEL Evt[48 03]
< 48 03 02 AB 06 56 55 03 00 04 12 83 6F 05 00 FF>
5:2015 May 15 14:46:04:BMC:kernel:--:<5>LPC Reset ISR -> ResetState: 1
5:2015 May 15 14:46:04:BMC:BIOSReader:376: BIOSReader.c:555:File Close :
/var/nuova/BIOS/BiosTech_4.txt
```

```

5:2015 May 15 14:46:04:BMC:kernel:-:[block_transfer_fetch_host_request_for_app]
:2125:block_transfer_fetch_host_request_for_app : BT_FILE_CLOSE :
HostBTDescr = 6 : FName = BiosTech_4.txt
5:2015 May 15 14:46:04:BMC:IPMI:574: Pilot2SrvPower.c:394:Blade Power Changed To: [ OFF ]
5:2015 May 15 14:46:04:BMC:IPMI:572: VirtualSEL.c:224:SEL Evt[49 03]
< 49 03 02 AC 06 56 55 20 00 04 25 52 08 00 FF FF >
5:2015 May 15 14:46:04:BMC:bioscom:-: lv_mode_dimm_support.c:126:
[lpc_reset_seen]LPC Reset Count is Different [0x5:0x6] Asserted LPC Reset Seen
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4 Cmd:0x28 Resp:0x0
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0x9 0x80
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4 Cmd:0x28 Resp:0x0
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0xa 0x80
5:2015 May 15 14:46:04:BMC:bioscom:-: lv_mode_dimm_support.c:197:
[transition_function]Starting Transition to [High Voltage Mode] from [Unknown Mode]
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4 Cmd:0x28 Resp:0x0
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0x9 0x80
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4 Cmd:0x28 Resp:0x0
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0xa 0x80
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4 Cmd:0x26 Resp:0x0
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0x9 0x36
0x92 0x92 0x89 0x9f 0x9f 0xa8
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4
Cmd:0x26 Resp:0x0
5:2015 May 15 14:46:04:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0xa
0x36 0x92 0x92 0x89 0x9f 0x9f 0xa8
5:2015 May 15 14:46:04:BMC:bioscom:-: lv_mode_dimm_support.c:217:
[transition_function]Transition to [High Voltage Mode] Success
5:2015 May 15 14:46:04:BMC:IPMI:572: VirtualSEL.c:224:SEL Evt[4A 03]
< 4A 03 02 AC 06 56 55 20 00 04 24 59 7F 04 88 36 >
5:2015 May 15 14:46:04:BMC:IPMI:572: VirtualSEL.c:224:SEL Evt[4B 03]
< 4B 03 02 AC 06 56 55 20 00 04 08 61 EF 03 FF FF >
5:2015 May 15 14:46:05:BMC:IPMI:572: VirtualSEL.c:224:SEL Evt[4C 03]
< 4C 03 02 AD 06 56 55 20 00 04 24 B0 7F 00 88 36 >
5:2015 May 15 14:46:06:BMC:bioscom:-: lv_mode_dimm_support.c:311:
[handle_event_enable_tick]enable sensor event
5:2015 May 15 14:46:06:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4 Cmd:0x28 Resp:0x0
5:2015 May 15 14:46:06:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0x9 0xc0
5:2015 May 15 14:46:06:BMC:IPMI:567: Bridge.c:1388:audit from:kcs Fn:0x4 Cmd:0x28 Resp:0x0
5:2015 May 15 14:46:06:BMC:IPMI:567: Bridge.c:1415:audit data&colon; 0xa 0xc0

```

检查ESXi日志关于OS为什么的更多信息启动此事件。

- /var/log/vmksummary.log
- /var/log/vmkernel.log
- /var/log/hostd.log
- /var/log/shell.log

[VMware KB](#)

RHEL - /var/log/messages

```

May 12 12:55:00 localhost rtkit-daemon[10450]: Demoting known real-time threads.
May 12 12:55:00 localhost rtkit-daemon[10450]: Successfully demoted thread
10987 of process 10987 (/usr/bin/pulseaudio).
May 12 12:55:00 localhost console-kit-daemon[10311]: WARNING: no sender#012
May 12 12:55:00 localhost rtkit-daemon[10450]: Demoted 1 threads.
May 12 12:55:00 localhost rpcbind: rpcbind terminating on signal.
Restart with "rpcbind -w" May 12 12:55:00 localhost init:
Disconnected from system bus
May 12 12:55:00 localhost auditd[3587]: The audit daemon is exiting.
May 12 12:55:00 localhost kernel: type=1305 audit(1431453300.949:33):

```

```
audit_pid=0 old=3587 audit=4294967295 ses=4294967295 subj=system_u:
system_r:auditd_t:s0 res=1
May 12 12:55:01 localhost kernel: type=1305 audit(1431453301.053:34):
audit_enabled=0 old=1 audit=4294967295 ses=4294967295 subj=system_u:
system_r:auditctl_t:s0 res=1
May 12 12:55:01 localhost kernel: Kernel logging (proc) stopped.
May 12 12:55:01 localhost rsyslogd: [origin software="rsyslogd" swVersion="5.8.10"
x-pid="3617" x-info="http://www.rsyslog.com"] exiting on signal 15.
May 12 12:58:27 localhost kernel: imklog 5.8.10, log source = /proc/kmsg started.
May 12 12:58:27 localhost rsyslogd: [origin software="rsyslogd" swVersion="5.8.10"
x-pid="3631" x-info="http://www.rsyslog.com"] start
May 12 12:58:27 localhost kernel: Initializing cgroup subsys cpuset
May 12 12:58:27 localhost kernel: Initializing cgroup subsys cpu
May 12 12:58:27 localhost kernel: Linux version 2.6.32-504.el6.x86_64
(mockbuild@x86-023.build.eng.bos.redhat.com) (gcc version 4.4.7 20120313
(Red Hat 4.4.7-11) (GCC) ) #1 SMP Tue Sep 16 01:56:35 EDT 2014
May 12 12:58:27 localhost kernel: Command line:
ro root=/dev/mapper/VolGroup-lv_root rd_NO_LUKS LANG=en_US.UTF-8
rd_NO_MD rd_LVM_LV=VolGroup/lv_swap SYSFONT=latacyrheb-sun16 crashkernel=auto
rd_LVM_LV=VolGroup/lv_root KEYBOARDTYPE=pc KEYTABLE=us rd_NO_DM rhgb quiet
```

关于关于怎样的更多提示排除故障RHEL重新启动，请参阅此[红帽子KB article](#)。

Windows -事件日志

Event 1074

The process **Explorer.EXE** has initiated the restart of computer WIN-5JPBKNMMRNF on behalf of user WIN-5JPBKNMMRNF\Administrator for the following reason: Other (Planned)
Reason Code: 0x85000000
Shutdown Type: restart
Comment: C-Series Test

Event 1074

The process **C:\Windows\system32\winlogon.exe** (WIN-5JPBKNMMRNF) has initiated the restart of computer WIN-5JPBKNMMRNF on behalf of user WIN-5JPBKNMMRNF\Administrator for the following reason: No title for this reason could be found
Reason Code: 0x500ff
Shutdown Type: restart Comment:

Event 109

The kernel power manager has initiated a shutdown transition.

Event 13

The operating system is shutting down at system time ?2015?-?05?-?18T08:26:32.778837300Z.

Event 12

The operating system started at system time ?2015?-?05?-?18T08:28:28.610798500Z.

对于在Windows事件日志的更多提示，请检查此[TechNet条款](#)。

从OS关闭- ESXi、RHEL和Windows

OBFL日志：

```

5:2015 May 12 18:03:37:BMC:IPMI:1563: Bridge.c:1478:audit from:kcs
Fn:0x6 Cmd:0x6 Data:colon; 0x85 0x83
5:2015 May 12 18:03:37:BMC:IPMI:1563: Bridge.c:1484:audit Resp:0x0
5:2015 May 12 18:03:38:BMC:kernel:--<5>[lpc_reset_isr_handler]:79:LPC
Reset ISR -> ResetState: 1
5:2015 May 12 18:03:38:BMC:kernel:--<5>[readPostData]:519:BIOS_POST_
CMPLT Asserted --> BIOS has completed
5:2015 May 12 18:03:38:BMC:kernel:--<5>drivers/bmc/usb/usb1.1/se_pilot2_udc_
usb1.1.c:2288:USB FS:
VDD Power WAKEUP- Power Good = OFF
5:2015 May 12 18:03:38:BMC:kernel:--<5>[se_pilot2_wakeup_interrupt]
:2561:USB HS: VDD Power = OFF
5:2015 May 12 18:03:38:BMC:IPMI:1563: Pilot3SrvPower.c:484:Blade Power Changed To: [ OFF ]
5:2015 May 12 18:03:38:BMC:video_trigger--: video_trigger.c:262:
Sending event_ipmi_power_state_change (OFF) ..
5:2015May 12 18:03:39:BMC:selparser:1602: selparser.c:678:
# 11 04 00 00 01 02 00 00 7A 40 52 55 2C 60 04 DC 1A 00 00 00 F4 03 00 00
# 411 | 05/12/2015 18:03:38 | Unknown #0x602c | Unknown #0x1a |
5:2015 May 12 18:03:39:BMC:selparser:1602: selparser.c:678:
# 12 04 00 00 01 02 00 00 7A 40 52 55 20 00 04 25 A9 00 00 00 08 00 FF FF # 412 |
05/12/2015 18:03:38 | CIMC | Entity presence MAIN_POWER_PRS #0xa9 | Device Absent | Asserted

```

ESXi - /var/log/hostd.log

```

2015-05-15T00:46:01.809Z [28B69B90 info 'TaskManager'] Task Created :
haTask--vim.host.AutoStartManager.autoPowerOff-245137084
2015-05-15T00:46:01.810Z [28AE7B90 info 'TaskManager'] Task Completed :
haTask--vim.host.AutoStartManager.autoPowerOff-245137084 Status success
2015-05-15T00:46:01.814Z [28AE7B90 verbose 'Default']
CloseSession called for session id=526869fe-3f96-f54a-4bb6-41250fa3242b
2015-05-15T00:46:01.814Z [28AE7B90 info 'ha-eventmgr'] Event 107 : User dcui logged out
2015-05-15T00:46:01.822Z [28AA6B90 verbose 'Proxysvc Req00060'] New proxy client SSL
(TCP(local=127.0.0.1:0, peer=127.0.0.1:58274))
2015-05-15T00:46:01.822Z [28AA6B90 warning 'Proxysvc Req00060'] Error reading from
client while waiting for header: N7Vmacorel5SystemException(Connection reset by peer)
2015-05-15T00:46:02.077Z [29441B90 verbose 'Proxysvc Req00061'] New proxy client
SSL(TCP(local=127.0.0.1:443, peer=127.0.0.1:58877))
2015-05-15T00:46:02.088Z [28AE7B90 verbose 'Ticket 52 27 9e 4d f0 16 ac aa-13 f8
86 f9 f1 a3 61 8b'] Ticket issued for dcui
2015-05-15T00:46:02.090Z [2930AB90 verbose 'Ticket 52 27 9e 4d f0 16 ac aa-13 f8
86 f9 f1 a3 61 8b'] Ticket used
Accepted password for user dcui from 127.0.0.1
2015-05-15T00:46:02.090Z [2930AB90 info 'Vimsvc'] [Auth]: User dcui
2015-05-15T00:46:02.091Z [2930AB90 info 'ha-eventmgr'] Event 108 :
User dcui@127.0.0.1 logged in
2015-05-15T00:46:02.093Z [29366B90 info 'InternalServiceInstance'] Shutting down service
2015-05-15T00:46:22.104Z [FFAB2AD0 error 'Default'] SSLStreamImpl::
BIORead (291a1000) timed out
Section for VMware ESX, pid=2882, version=5.0.0, build=build-914586, option=Release

```

RHEL - /var/log/messages

```

May 12 13:03:24 localhost init: tty (/dev/tty2) main process
(10152) killed by TERM signal
May 12 13:03:24 localhost init: tty (/dev/tty3) main process
(10154) killed by TERM signal
May 12 13:03:24 localhost init: tty (/dev/tty4) main process
(10156) killed by TERM signal
May 12 13:03:24 localhost init: tty (/dev/tty5) main process
(10158) killed by TERM signal
May 12 13:03:24 localhost init: tty (/dev/tty6) main process

```

```
(10162) killed by TERM signal
May 12 13:03:25 localhost abrttd: Got signal 15, exiting
May 12 13:03:29 localhost acpid: exiting
May 12 13:03:30 localhost NetworkManager[9732]: <info>
caught signal 15, shutting down normally.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth0): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth0): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth1): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth1): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth4): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth4): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth5): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth5): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth6): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth6): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth7): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth7): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth2): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth2): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth3): cleaning up...
May 12 13:03:30 localhost NetworkManager[9732]: <info> (eth3): taking down device.
May 12 13:03:30 localhost NetworkManager[9732]: <info> exiting (success)
May 12 13:03:31 localhost rpcbind: rpcbind terminating on signal.
Restart with "rpcbind -w"
May 12 13:03:31 localhost rtkit-daemon[10367]: Demoting known real-time threads.
May 12 13:03:31 localhost rtkit-daemon[10367]: Successfully demoted thread 1
0365 of process 10365 (/usr/bin/pulseaudio).
May 12 13:03:31 localhost rtkit-daemon[10367]: Demoted 1 threads.
May 12 13:03:31 localhost console-kit-daemon[10228]: WARNING: no sender#012
May 12 13:03:31 localhost init: Disconnected from system bus
May 12 13:03:31 localhost auditd[3601]: The audit daemon is exiting.
May 12 13:03:31 localhost kernel: type=1305 audit(1431453811.355:22):
audit_pid=0 old=3601 auid=4294967295 ses=4294967295 subj=system_u
:system_r:auditd_t:s0 res=1
May 12 13:03:31 localhost kernel: type=1305 audit(1431453811.459:23):
audit_enabled=0 old=1 auid=4294967295 ses=4294967295 subj=system_u
:system_r:auditctl_t:s0 res=1
May 12 13:03:31 localhost kernel: Kernel logging (proc) stopped.
May 12 13:03:31 localhost rsyslogd: [origin software="rsyslogd"
swVersion="5.8.10" x-pid="3631" x-info="http://www.rsyslog.com"] exiting on signal 15.
```

Windows -事件日志

Event 1074

The process C:\Windows\system32\winlogon.exe (WIN-5JPBKNMMRNF) **has initiated the power off of computer WIN-5JPBKNMMRNF on behalf of user WIN-5JPBKNMMRNF\Administrator** for the following reason: No title for this reason could be found
Reason Code: 0x500ff
Shutdown Type: power off
Comment

Event 1074

The process **Explorer.EXE** has initiated the shutdown of computer WIN-5JPBKNMMRNF on behalf of user WIN-5JPBKNMMRNF\Administrator for the following reason: Other (Planned)
Reason Code: 0x85000000
Shutdown Type: shutdown
Comment: Shut down Test

Will be able to send event_server_crash..

```
5:2015 May 12 18:08:32:BMC:selparser:1602: selparser.c:678:
# 13 04 00 00 01 02 00 00 A0 41 52 55 2C 60 04 DC 1A 00 00 00 74 07 00 00
# 413 | 05/12/2015 18:08:32 | Unknown
#0x602c | Unknown #0x1a |
5:2015 May 12 18:08:32:BMC:selparser:1602: selparser.c:678:
# 14 04 00 00 01 02 00 00 A0 41 52 55 20 00 04 25 00 00 00 00 08 00 FF FF
# 414 | 05/12/2015 18:08:32 | CIMC | Entity presence BIOS_POST_CMPLT
#0x00 | Device Absent | Asserted
5:2015 May 12 18:08:32:BMC:kernel:--<5>[block_transfer_fetch_host_request_for_app]
:1860:block_transfer_fetch_host_request_for_app: BT_OPEN_FOR_READ:
HostDescriptor = 1410 : Filename = BiosTech_5.txt
5:2015 May 12 18:08:32:BMC:kernel:--<5>[block_transfer_fetch_host_request_for_app]
:1944:block_transfer_fetch_host_request_for_app : BT_FILE_CLOSE :
HostBTDescr = 1410 : FName = BiosTech_5.txt
5:2015 May 12 18:08:32:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_5.txt
```

从CIMC的重新通电

OBFL日志

```
5:2015 May 12 19:18:45:BMC:kernel:--<5>[do_cycle]:560:do_cycle
5:2015 May 12 19:18:45:BMC:IPMI:1563: Bridge.c:1478:audit from:kcs Fn:0x0
Cmd:0x2 Data&colon; 0x2
5:2015 May 12 19:18:45:BMC:kernel:--<5>[__do_power_off]:298:__do_power_off
5:2015 May 12 19:18:45:BMC:IPMI:1563: Bridge.c:1484:audit Resp:0x0
5:2015 May 12 19:18:45:BMC:kernel:--<5>[__do_power_off]:300:Power Driver:
Power Off Logic @ 2520641182
5:2015 May 12 19:18:45:BMC:IPMI:1566: Pilot3SrvPower.c:539:
Pilot2SrvPowerCycle
5:2015 May 12 19:18:45:BMC:AUDIT:20723: Server power state modify
(op:power-cycle)
5:2015 May 12 19:18:49:BMC:kernel:--<5>[lpc_reset_isr_handler]:
79:LPC Reset ISR -> ResetState: 1
5:2015 May 12 19:18:49:BMC:kernel:--<5>[readPostData]:519:
BIOS_POST_CMPLT Asserted --> BIOS has completed
5:2015 May 12 19:18:49:BMC:kernel:--<5>drivers/bmc/usb/
usb1.1/se_pilot2_udc_usb1.1.c:2288:USB FS: VDD Power WAKEUP- Power Good = OFF
5:2015 May 12 19:18:49:BMC:kernel:--<5>[se_pilot2_wakeup_interrupt]
:2561:USB HS: VDD Power = OFF
5:2015 May 12 19:18:49:BMC:video_trigger:-- video_trigger.c:262:
Sending event_ipmi_power_state_change (OFF) ..
5:2015 May 12 19:18:49:BMC:IPMI:1532: Pilot3SrvPower.c:484:
Blade Power Changed To: [ OFF ]
5:2015 May 12 19:18:49:BMC:selparser:1602: selparser.c:678:
# 1A 04 00 00 01 02 00 00 19 52 52 55 20 00 04 25 A9 00 00 00 08 00 FF FF
# 41a | 05/12/2015 19:18:49 | CIMC | Entity presence MAIN_POWER_PRS #0xa9
| Device Absent | Asserted
5:2015 May 12 19:18:55:BMC:selparser:1602: selparser.c:678:
# 1B 04 00 00 01 02 00 00 1E 52 52 55 2C 60 04 DC 1A 00 00 00 74 03 00 00
# 41b | 05/12/2015 19:18:54 | Unknown #0x602c | Unknown #0x1a |
5:2015 May 12 19:18:55:BMC:selparser:1602: selparser.c:678:
# 1C 04 00 00 01 02 00 00 1E 52 52 55 2C 60 04 16 16 00 00 00 0A 00 00 00
# 41c | 05/12/2015 19:18:54 | Unknown
#0x602c | Microcontroller/Coprocessor
#0x16 | Transition to Running | Asserted
5:2015 May 12 19:19:05:BMC:kernel:--<5>[__do_power_on]:340:__do_power_on
5:2015 May 12 19:19:05:BMC:kernel:--<5>[__do_power_on]:345:
Power Driver: Power On Logic Pulsefor 250ms @ 2520661694
5:2015 May 12 19:19:05:BMC:kernel:--<5>drivers/bmc/usb/usb1.1/
```

```
se_pilot2_udc_usb1_1.c:2288:USB FS: VDD Power WAKEUP- Power Good = ON
5:2015 May 12 19:19:05:BMC:kernel:-:<5>[se_pilot2_wakeup_interrupt]
:2561:USB HS: VDD Power = ON
5:2015 May 12 19:19:05:BMC:kernel:-:<5>[se_pilot2_udc_usb_connect]:
2685:Failed USB2.0 register test
5:2015 May 12 19:19:05:BMC:kernel:-:<5>[se_pilot2_udc_usb_connect]:
2685:Failed USB2.0 register test
5:2015 May 12 19:19:05:BMC:kernel:-:<5>[lpc_reset_isr_handler]
:79:LPC Reset ISR -> ResetState: 0
5:2015 May 12 19:19:05:BMC:kernel:-:<5>[lpc_reset_handler_Port80_Capture_setup]
:560:BIOS_POST_CMPLT De-asserted --> BIOS is running
5:2015 May 12 19:19:05:BMC:IPMI:1566: Pilot3SrvPower.c:542:Pilot2SrvPowerCycle
5:2015 May 12 19:19:05:BMC:kernel:-:<5>[__do_power_on]
:375:Power Driver: Power On Logic Done @ 2520661945
5:2015 May 12 19:19:05:BMC:IPMI:1566: Pilot3SrvPower.c:481:
-> Power State On: LPC RESET is NOT IN RESET; powerOnLPCOff[2]
5:2015 May 12 19:19:05:BMC:IPMI:1566: Pilot3SrvPower.c:484:
Blade Power Changed To: [ ON ]
5:2015 May 12 19:19:06:BMC:BIOSReader:1247: BIOSReader.c:242:
File Open : BiosTech_7.txt
5:2015 May 12 19:19:06:BMC:BIOSReader:1247: BIOSReader.c:748:
File Close : /var/nuova/BIOS/BiosTech_7.txt
5:2015 May 12 19:19:06:BMC:kernel:-:<5>[block_transfer_fetch_host_
request_for_app]:1860:block_transfer_fetch_host_request_for_app:
BT_OPEN_FOR_READ: HostDescriptor = 1466 : Filename = BiosTech_7.txt
5:2015 May 12 19:19:06:BMC:kernel:-:<5>[block_transfer_fetch_host_
request_for_app]:1944:block_transfer_fetch_host_request_for_app :
BT_FILE_CLOSE : HostBTDescr = 1466 : FName = BiosTech_7.txt
5:2015 May 12 19:19:06:BMC:selparser:1602: selparser.c:678:
# 1d 04 00 00 01 02 00 00 29 52 52 55 2c 60 04 dc 1a 00 00 00 74 07 00 00
# 41d | 05/12/2015 19:19:05 | Unknown #0x602c | Unknown #0x1a |
5:2015 May 12 19:19:06:BMC:video_trigger:-: video_trigger.c:262:
Sending event_ipmi_power_state_change (ON) ..
5:2015 May 12 19:19:06:BMC:video_trigger:-: video_trigger.c:137:
Sending event_server_boot_start ..
5:2015 May 12 19:19:06:BMC:video_trigger:-: video_trigger.c:148:
Will be able to send event_server_crash ..
5:2015 May 12 19:19:06:BMC:kernel:-:<5>[block_transfer_fetch_host_
request_for_app]:1860:block_transfer_fetch_host_request_for_app:
BT_OPEN_FOR_READ: HostDescriptor = 1468 : Filename = BiosTech_6.txt
```

停电从CIMC

OBFL日志

```
5:2015 May 12 20:18:25:BMC:kernel:-:<5>[__do_power_off]:298:__do_power_off
5:2015 May 12 20:18:25:BMC:IPMI:1563: Bridge.c:1478:audit from:kcs Fn:0x0
Cmd:0x2 Data&colon; 0x0
5:2015 May 12 20:18:25:BMC:kernel:-:<5>[__do_power_off]:300:Power Driver:
Power Off Logic@ 2524221543
5:2015 May 12 20:18:25:BMC:IPMI:1563: Bridge.c:1484:audit Resp:0x0
5:2015 May 12 20:18:25:BMC:AUDIT:20723: Server power state modify (op:power-off)
5:2015 May 12 20:18:30:BMC:kernel:-:<5>[lpc_reset_isr_handler]:
79:LPC Reset ISR -> ResetState: 1
5:2015 May 12 20:18:30:BMC:kernel:-:<5>[readPostData]:519:BIOS_POST_CMPLT
Asserted --> BIOS has completed
5:2015 May 12 20:18:30:BMC:kernel:-:<5>drivers/bmc/usb/usb1.1/se_pilot2_udc_
usb1_1.c:2288:USB FS: VDD Power WAKEUP- Power Good = OFF
5:2015 May 12 20:18:30:BMC:IPMI:1567: Pilot3SrvPower.c:484:Blade Power Changed To: [ OFF ]
5:2015 May 12 20:18:30:BMC:kernel:-:<5>[se_pilot2_wakeup_interrupt]:
```

```
2561:USB HS: VDD Power = OFF
5:2015 May 12 20:18:30:BMC:selparser:1602: selparser.c:678:
# 24 04 00 00 01 02 00 00 16 60 52 55 20 00 04 25 A9 00 00 00 08 00 FF FF
# 424 | 05/12/2015 20:18:30 | CIMC | Entity presence MAIN_POWER_PRS
#0xa9 | Device Absent | Asserted
5:2015 May 12 20:18:30:BMC:video_trigger--: video_trigger.c:262:
Sending event_ipmi_power_state_change (OFF) ..
5:2015 May 12 20:18:31:BMC:vkcs_mux:1582: vkcs_mux.c:76:[REQ] 00 01
5:2015 May 12 20:18:36:BMC:IPMI:1566: Pilot3SrvPower.c:348:Pilot2SrvPowerOff
5:2015 May 12 20:18:37:BMC:kernel--:<5>[__do_power_off]:298:__do_power_off
5:2015 May 12 20:18:37:BMC:blade-power:11311: host-power.c:53:POWER Off
5:2015 May 12 20:18:38:BMC:run-update:11313: ../..
/src/runupdate.c:511:Run-update Process Starting.
5:2015 May 12 20:18:38:BMC:run-update:11313: ../..
/src/runupdate.c:44:Setting FP Button Lock: current state 0
5:2015 May 12 20:18:38:BMC:kernel--:<5>[lock_front_panel_buttons]
:1373:Front Panel Power Button is now permanently locked.
5:2015 May 12 20:18:38:BMC:kernel--:<5>[lock_front_panel_buttons]
:1378:Front Panel Reset Button is now permanently locked.
```

从PSU失败的断电

OBFL日志

```
5:2015 May 15 14:29:12:BMC:kernel--:<5>[lpc_reset_isr_handler]:
79:LPC Reset ISR -> ResetState: 1
5:2015 May 15 14:29:12:BMC:kernel--:<5>[readPostData]:519:
BIOS_POST_CMPLT Asserted --> BIOS has completed
5:2015 May 15 14:29:12:BMC:kernel--:<5>drivers/bmc/usb/usbl1.1/
se_pilot2_udc_usbl_1.c:2288:USB FS: VDD Power WAKEUP- Power Good = OFF
5:2015 May 15 14:29:12:BMC:kernel--:<5>[se_pilot2_wakeup_interrupt]
:2561:USB HS: VDD Power = OFF
5:2015 May 15 14:29:12:BMC:IPMI:1532: Pilot3SrvPower.c:484:
Blade Power Changed To: [ OFF ]
5:2015 May 15 14:29:12:BMC:video_trigger--: video_trigger.c:262:
Sending event_ipmi_power_state_change (OFF) ..
5:2015 May 15 14:29:13:BMC:selparser:1602: selparser.c:678:
# 33 04 00 00 01 02 00 00 B8 02 56 55 20 00 04 08 27 00 00 00 03 00 FF FF
# 433 | 05/15/2015 14:29:12 | CIMC | Power supply PSU1_AC_OK
#0x27 | State Deasserted | Asserted
5:2015 May 15 14:29:13:BMC:selparser:1602: selparser.c:678:
# 34 04 00 00 01 02 00 00 B8 02 56 55 20 00 04 08 42 00 00 00 04 01 FF FF
# 434 | 05/15/2015 14:29:12 | CIMC | Power supply PMBUS_ALERT #0x42
| Predictive Failure asserted | Asserted
5:2015 May 15 14:29:13:BMC:selparser:1602: selparser.c:678:
# 35 04 00 00 01 02 00 00 B8 02 56 55 20 00 04 25 A9 00 00 00 08 00 FF FF
# 435 | 05/15/2015 14:29:12 | CIMC | Entity presence MAIN_POWER_PRS
#0xa9 | Device Absent | Asserted
5:1970 Jan 1 00:02:48:BMC:kernel--:<5>Linux version 2.6.35.10
(buildsa@savbu-swbmc-vbl) (gcc version 3.4.5)
#2 Tue Nov 18 07:09:13 PST 2014 Unversioned directory
4:1970 Jan 1 00:02:48:BMC:kernel--:<4>CPU: ARM926EJ-S [41069265]
revision 5 (ARMv5TEJ), cr=00053177
4:1970 Jan 1 00:02:48:BMC:kernel--:<4>CPU: VIVT data cache, VIVT instruction cache
4:1970 Jan 1 00:02:48:BMC:kernel--:<4>Machine: ServerEngines PILOT3 Hornet Board
4:1970 Jan 1 00:02:48:BMC:kernel--:<4>Memory policy: ECC disabled, Data cache writeback
```

前面按钮停电

OBFL日志

```
5:2015 May 15 14:50:19:BMC:kernel:--<5>[passthrough_pin2_isr]:158:x86
Host Power Button Press
5:2015 May 15 14:50:19:BMC:kernel:--<5>drivers/bmc/usb/usb1.1/se_pilot2_udc_
usb1_1.c:2288:USB FS: VDD Power WAKEUP- Power Good = ON
5:2015 May 15 14:50:19:BMC:kernel:--<5>[se_pilot2_wakeup_interrupt]:2561:
USB HS: VDD Power = ON
5:2015 May 15 14:50:31:BMC:IPMI:1561: Bridge.c:1478:audit from:kcs Fn:0x6
Cmd:0x6 Data&colon; 0x85 0x83
5:2015 May 15 14:50:31:BMC:IPMI:1561: Bridge.c:1484:audit Resp:0x0
5:2015 May 15 14:50:35:BMC:kernel:--<5>[lpc_reset_isr_handler]
:79:LPC Reset ISR -> ResetState: 1
5:2015 May 15 14:50:35:BMC:kernel:--<5>[readPostData]:519:BIOS_POST_CMPLT
Asserted --> BIOS has completed
5:2015 May 15 14:50:35:BMC:video_trigger:-: video_trigger.c:262:
Sending event_ipmi_power_state_change (OFF) ..
5:2015 May 15 14:50:35:BMC:kernel:--<5>drivers/bmc/usb/usb1.1/se_pilot2_udc_
usb1_1.c:2288:USB FS: VDD Power WAKEUP- Power Good = OFF
5:2015 May 15 14:50:35:BMC:kernel:--<5>[se_pilot2_wakeup_interrupt]:
2561:USB HS: VDD Power = OFF
5:2015 May 15 14:50:35:BMC:IPMI:1531: Pilot3SrvPower.c:484:
Blade Power Changed To: [ OFF ]
5:2015 May 15 14:50:35:BMC:selparser:1602: selparser.c:678:
# A2 04 00 00 01 02 00 00 BB 07 56 55 2C 60 04 DC 1A 00 00 00 F4 03 00 00
# 4a2 | 05/15/2015 14:50:35 | Unknown #0x602c | Unknown #0x1a |
5:2015 May 15 14:50:35:BMC:selparser:1602: selparser.c:678:
# A3 04 00 00 01 02 00 00 BB 07 56 55 20 00 04 25 A9 00 00 00 08 00 FF FF
# 4a3 | 05/15/2015 14:50:35 | CIMC | Entity presence MAIN_POWER_PRS
#0xa9 | Device Absent | Asserted
```

前面按钮启动

OBFL日志

```
5:2015 May 15 14:51:18:BMC:kernel:--<5>[passthrough_pin2_isr]
:158:x86 Host Power Button Press
5:2015 May 15 14:51:18:BMC:kernel:--<5>drivers/bmc/usb/usb1.1/se_pilot2
_udc_usb1_1.c:2288:USB FS: VDD Power WAKEUP- Power Good = OFF
5:2015 May 15 14:51:18:BMC:kernel:--<5>[se_pilot2_wakeup_interrupt]:
2561:USB HS: VDD Power = OFF
5:2015 May 15 14:51:19:BMC:kernel:--<5>drivers/bmc/usb/usb1.1/se_pilot2_
udc_usb1_1.c:2288:USB FS: VDD Power WAKEUP- Power Good = ON
5:2015 May 15 14:51:19:BMC:kernel:--<5>[se_pilot2_wakeup_interrupt]
:2561:USB HS: VDD Power = ON
5:2015 May 15 14:51:19:BMC:kernel:--<5>[se_pilot2_udc_usb_connect]:
2685:Failed USB2.0 register test
5:2015 May 15 14:51:19:BMC:kernel:--<5>[se_pilot2_udc_usb_connect]:
2685:Failed USB2.0 register test
5:2015 May 15 14:51:19:BMC:kernel:--<5>[lpc_reset_isr_handler]:
79:LPC Reset ISR -> ResetState: 0
5:2015 May 15 14:51:19:BMC:kernel:--<5>[lpc_reset_handler_Port80_Capture_setup]
:560:BIOS_POST_CMPLT De-asserted --> BIOS is running
5:2015 May 15 14:51:19:BMC:IPMI:1561: Pilot3SrvPower.c:481: ->
Power State On: LPC RESET is NOT IN RESET; powerOnLPCoff[0]
5:2015 May 15 14:51:19:BMC:IPMI:1561: Pilot3SrvPower.c:484:
Blade Power Changed To: [ ON ]
5:2015 May 15 14:51:19:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_7.txt
5:2015 May 15 14:51:19:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_6.txt
5:2015 May 15 14:51:19:BMC:kernel:--<5>[block_transfer_fetch_host_request_for_app]
```

```
:1860:block_transfer_fetch_host_request_for_app: BT_OPEN_FOR_READ:
HostDescriptor = 118 : Filename = BiosTech_7.txt
5:2015 May 15 14:51:19:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_5.txt
5:2015 May 15 14:51:19:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1860:block_transfer_fetch_host_request_for_app: BT_OPEN_FOR_READ:
HostDescriptor = 119 : Filename = BiosTech_6.txt
5:2015 May 15 14:51:19:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_4.txt
5:2015 May 15 14:51:19:BMC:BIOSReader:1247: BIOSReader.c:748:
File Close : /var/nuova/BIOS/BiosTech_4.txt
5:2015 May 15 14:51:19:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1860:block_transfer_fetch_host_request_for_app: BT_OPEN_FOR_READ:
HostDescriptor = 120 : Filename = BiosTech_5.txt
5:2015 May 15 14:51:19:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1860:block_transfer_fetch_host_request_for_app: BT_OPEN_FOR_READ:
HostDescriptor = 121 : Filename = BiosTech_4.txt
5:2015 May 15 14:51:19:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1944:block_transfer_fetch_host_request_for_app : BT_FILE_CLOSE :
HostBTDescr = 121 : FName = BiosTech_4.txt
5:2015 May 15 14:51:19:BMC:video_trigger:-: video_trigger.c:262:
Sending event_ipmi_power_state_change (ON) ..
5:2015 May 15 14:51:19:BMC:video_trigger:-: video_trigger.c:137:
Sending event_server_boot_start ..
5:2015 May 15 14:51:19:BMC:video_trigger:-: video_trigger.c:148
:Will be able to send event_server_crash ..
5:2015 May 15 14:51:19:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1860:block_transfer_fetch_host_request_for_app: BT_OPEN_FOR_READ:
HostDescriptor = 123 : Filename = BiosTech_3.txt
5:2015 May 15 14:51:19:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_3.txt
5:2015 May 15 14:51:19:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1944:block_transfer_fetch_host_request_for_app : BT_FILE_CLOSE :
HostBTDescr = 123 : FName = BiosTech_3.txt
5:2015 May 15 14:51:19:BMC:BIOSReader:1247: BIOSReader.c:748:
File Close : /var/nuova/BIOS/BiosTech_3.txt
```

相关信息

- [C系列重新启动故障排除-已发布2012年12月06日](#)
- [技术支持和文档 - Cisco Systems](#)