Pesquise defeitos a corrente alternada - Série da repartição do server

Índice

Introdução

Este documento descreve como determinar se uma repartição ou uma parada programada estiveram iniciadas no hardware ou do operating system (OS).

Há diversos bons lugar do log a focalizar em quando você determina porque um server recarregado ou parada programada. Quando você procura através do suporte técnico do controlador do gerenciamento integrado de Cisco (CIMC), olhe /var/log/messages ou logs a bordo do registro de falha (OBFL).

As saídas de exemplo fornecidas neste documento são de /var/log/messages ou dos logs OBFL assim como de OS para ESXi, RHEL, e Windows.

Pré-requisitos

Não existem requisitos específicos para este documento.

Componentes Utilizados

As informações neste documento são baseadas nestas versões de software e hardware:

- Versão de firmware C200-M1 1.4(3w) do Cisco Unified Computing System (UCS)
- Versão de firmware de Cisco UCS C210-M2 1.4(3w)
- Versão de firmware de Cisco UCS C220-M3 2.0(3d)
- Versão de firmware de Cisco UCS C220-M4 2.0(3f)
- ESXi 5.0 U2
- RHEL 6.6
- Windows 2008 R2

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a sua rede estiver ativa, certifique-se de que entende o impacto potencial de qualquer comando.

Informações de Apoio

Uma repartição pode ser esperada ou inesperada. Quando uma repartição é esperada, pôde-se ser que não todas as partes interessadas o esperam. É importante ter um processo do controle de alterações no lugar para toda a repartição ou as tarefas de manutenção da parada programada a fim assegurar todos estão cientes da ação.

Repartições previstas

Este é todo o evento da repartição ou da parada programada que seja iniciado por uma pessoa, processo, ou passar pelo processo de script intencionalmente. Isto pode ser iniciado em uma de diversas maneiras. Estes snippet do log podem ajudar a identificar que recarregam a encenação ocorreram, de modo que você possa seguir para baixo quem ou o que tomou a ação:

- Com o CIMC GUI
- Do OS
- Quando você pressionar o botão do painel dianteiro na parte dianteira do server

Repartições inesperadas

Esta é toda a repartição que não for planejada nem é esperada, mas pode ainda ser esperada pela pessoa ou pelo processo que iniciaram a ação. Igualmente, pôde ter havido uma falha do hardware como uma falha PSU ou uma perda de potência no centro de dados. Estes podem ser iniciados em diversas maneiras.

Se se determina que o botão do painel dianteiro esteve pressionado, você pode seguir para baixo quem teve o acesso físico ao centro de dados na altura da repartição. Se é uma questão de energia, contrate a equipe do centro de dados ver se havia uma falha de energia naquele tempo.

- Com o CIMC GUI
- Do OS
- Quando você pressionar o botão do painel dianteiro na parte dianteira do server
- Da falha do hardware tal como uma falha PSU ou um cabo de potência ruim
- Falha da unidade da distribuição de energia (PDU) no centro de dados
- Falha da fonte de alimentação ininterrupta (UPS) ou perda de potência ou baixa de pressão no centro de dados

Pontos chaves

- As repartições, as paradas programadas, e os on iniciados CIMC da potência incluem sempre a palavra-chave do “do_power” nos logs.
- As imprensas do botão do painel dianteiro incluem "passthrough_pin2_isr" quando você executa umas versões de firmware mais novas. Também, há provável nenhum evento de correlacionamento do OS-nível deste.
- O OS iniciou repartições e as paradas programadas têm um evento associado do OS-nível. Igualmente observe que o “do_power” não está registrado, e “o modo de alta tensão” pode ser registrado pelo contrário.

Pacotes do log do recolhimento para a análise

Antes que você rever os logs relevantes, você precisa primeiramente de gerar os pacotes do log. Use estes recursos a fim criar os logs necessários para a referência para quando você compara aos exemplos de emissor neste documento:

Suporte técnico da série C CIMC

Guia visual para recolher arquivos do suporte técnico (B e série C)

ESXi

base de conhecimento do vmware

RHEL

Que são um sosreport e como criar um em Red Hat Enterprise Linux 4.6 e mais atrasado?

Windows

Arquive um log de eventos de Windows

Rendimento esperado para condições diferentes da repartição e da parada programada

Repartição do OS - ESXi, RHEL, e Windows

Log OBFL

```
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
```

Verifique os logs de ESXi para obter mais informações sobre de porque o OS iniciou este evento.

- /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 auid=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 auid=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=latarcyrheb-sun16 crashkernel=auto
rd_LVM_LV=VolGroup/lv_root KEYBOARDTYPE=pc KEYTABLE=us rd_NO_DM rhgb quiet
```

Para mais pontas em como pesquisar defeitos repartições RHEL, veja este chapéu vermelho KBarticle.

Windows - Log de eventos

```
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.
```

Para mais pontas em log de eventos de Windows, verifique para fora este artigo de TechNet.

Parada programada do OS - ESXi, RHEL, e Windows

Log OBFL:

```
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: N7Vmacore15SystemExceptionE(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 abrtd: 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 - Log de eventos

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

Event 109
The kernel power manager has initiated a shutdown transition.

Event 13
The operating system is shutting down at system time ?2015?-?05?-?18T08:38:13.237425300Z.

Potência sobre de CIMC

Log OBFL:

5:2015 May 12 18:08:31:BMC:kernel:-:<5>**[__do_power_on]:340:__do_power_on**
5:2015 May 12 18:08:31:BMC:IPMI:1563: Bridge.c:1478:audit from:kcs Fn:0x0 Cmd:0x2
Data: 0x1
5:2015 May 12 18:08:31:BMC:kernel:-:<5>**[__do_power_on]:345:Power Driver:**
Power On Logic Pulse for 250ms @ 25164275955:2015 May 12 18:08:31:BMC:IPMI:
1563: Bridge.c:1484:audit Resp:0x0
5:2015 May 12 18:08:31:BMC:AUDIT:20723: **Server power state modify (op:power-on)**
5:2015 May 12 18:08:31: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 18:08:31:BMC:kernel:-:<5>[se_pilot2_wakeup_interrupt]
:2561:USB HS: VDD Power = ON
5:2015 May 12 18:08:31:BMC:kernel:-:<5>[se_pilot2_udc_usb_connect]:
2685:Failed USB2.0 register test
5:2015 May 12 18:08:31:BMC:IPMI:1565: **Pilot3SrvPower.c:481: ->**
Power State On: LPC RESET is NOT IN RESET; powerOnLPCOff[2]
5:2015 May 12 18:08:31:BMC:kernel:-:<5>[se_pilot2_udc_usb_connect]
:2685:Failed USB2.0 register test
5:2015 May 12 18:08:31:BMC:IPMI:1565: **Pilot3SrvPower.c:484:Blade**
Power Changed To: [ON]
5:2015 May 12 18:08:31:BMC:kernel:-:<5>**[lpc_reset_isr_handler]**
:79:LPC Reset ISR -> ResetState: 0
5:2015 May 12 18:08:31:BMC:kernel:-:<5>[lpc_reset_handler_Port80_Capture_setup]
:560:BIOS_POST_CMPLT De-asserted --> BIOS is running

```
5:2015 May 12 18:08:31:BMC:IPMI:1566: Pilot3SrvPower.c:191:Pilot2SrvPowerOn
5:2015 May 12 18:08:31:BMC:kernel:-:<5>[__do_power_on]:375:
Power Driver: Power On Logic Done @ 2516427846
5:2015 May 12 18:08:31:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_7.txt
5:2015 May 12 18:08:31:BMC:BIOSReader:1247: BIOSReader.c:748:File Close
: /var/nuova/BIOS/BiosTech_7.txt
5:2015 May 12 18:08:31:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1860:block_transfer_fetch_host_request_for_app: BT_OPEN_FOR_READ:
HostDescriptor = 1406 : Filename = BiosTech_7.txt
5:2015 May 12 18:08:31:BMC:kernel:-:<5>[block_transfer_fetch_host_request_for_app]
:1944:block_transfer_fetch_host_request_for_app : BT_FILE_CLOSE :
HostBTDescr = 1406 : FName = BiosTech_7.txt
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 = 1408 : Filename = BiosTech_6.txt
5:2015 May 12 18:08:32:BMC:BIOSReader:1247: BIOSReader.c:242:File Open : BiosTech_6.txt
5:2015 May 12 18:08:32:BMC:BIOSReader:1247: BIOSReader.c:748:File Close
: /var/nuova/BIOS/BiosTech_6.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 = 1408 : FName = BiosTech_6.txt
5:2015 May 12 18:08:32:BMC:video_trigger:-: video_trigger.c:262:Sending
event_ipmi_power_state_change (ON) ..
5:2015 May 12 18:08:32:BMC:video_trigger:-: video_trigger.c:137:Sending
event_server_boot_start..
5:2015 May 12 18:08:32:BMC:video_trigger:-: video_trigger.c:148:
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
```

Ciclo da potência de CIMC

Log OBFL

```
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
```

Sem energia de CIMC

Log OBFL

```
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.
```

Perda de potência da falha PSU

Log OBFL

```
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/usb1.1/
se_pilot2_udc_usb1_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-vb1) (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
```

Sem energia dianteiro do botão

Log OBFL

```
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
```

Potência dianteira do botão sobre

Log OBFL

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

Informações Relacionadas

- Troubleshooting da repartição da série C - Publicado dezembro 06, 2012

- Suporte Técnico e Documentação - Cisco Systems