



Viewing Logs

This chapter includes the following sections:

- [CIMC Log, page 1](#)
- [System Event Log, page 3](#)

CIMC Log

Viewing the CIMC Log

Procedure

	Command or Action	Purpose
Step 1	Server# scope cimc	Enters the CIMC command mode.
Step 2	Server /cimc # scope log	Enters the CIMC log command mode.
Step 3	Server /cimc/log # show entries [detail]	Displays CIMC events, including timestamp, the software module that logged the event, and a description of the event.

This example displays the log of CIMC events:

```
Server# scope cimc
Server /cimc # scope log
Server /cimc/log # show entries
Time          Source          Description
-----
1970 Jan 4 18:55:36 BMC:kernel:-
<7>/build/trunk/bmc/drivers/pilot2_i2c/pilot2_i2c.c:306:I2c Controller-4 DAT is stuck-low,
  issuing One Clock Pulse.
1970 Jan 4 18:55:36 BMC:kernel:-
<7>/build/trunk/bmc/drivers/pilot2_i2c/pilot2_i2c.c:301:I2c Controller-4 Loop:[0].
1970 Jan 4 18:55:36 BMC:kernel:-
<7>/build/trunk/bmc/drivers/pilot2_i2c/pilot2_i2c.c:422: Controller-4 has a stuck bus,
attempting to clear it now... "
```

```

1970 Jan 4 18:55:36 BMC:kernel:-      "
<>/build/trunk/bmc/drivers/pilot2_i2c/pilot2_i2c.c:402: Controller-4 Initiating I2c recovery
sequence. "
1970 Jan 4 18:55:36 BMC:IPMI:480      last message repeated 22 times
1970 Jan 4 18:55:28 BMC:IPMI:480      " mcddI2CDrv.c:850:PI2CWriteRead: ioctl to driver
failed to read Bus[f4].Dev[5e]! ErrorStatus[77] "
1970 Jan 4 18:55:33 BMC:IPMI:486      last message repeated 17 times
1970 Jan 4 18:55:28 BMC:IPMI:486      " mcddI2CDrv.c:850:PI2CWriteRead: ioctl to driver
failed to read Bus[f4].Dev[b0]! ErrorStatus[77] "
1970 Jan 4 18:55:31 BMC:IPMI:486      last message repeated 17 times
1970 Jan 4 18:55:26 BMC:IPMI:486      " mcddI2CDrv.c:850:PI2CWriteRead: ioctl to driver
failed to read Bus[f4].Dev[b2]! ErrorStatus[77] "
1970 Jan 4 18:55:26 BMC:kernel:-
<>/build/trunk/bmc/drivers/pilot2_i2c/pilot2_i2c.c:306:I2c Controller-4 DAT is stuck-low,
issuing One Clock Pulse.
1970 Jan 4 18:55:26 BMC:kernel:-
<>/build/trunk/bmc/drivers/pilot2_i2c/pilot2_i2c.c:301:I2c Controller-4 Loop:[8].
--More--

```

Clearing the CIMC Log

Procedure

	Command or Action	Purpose
Step 1	Server# scope cimc	Enters the CIMC command mode.
Step 2	Server /cimc # scope log	Enters the CIMC log command mode.
Step 3	Server /cimc/log # clear	Clears the CIMC log.

This example clears the log of CIMC events:

```

Server# scope cimc
Server /cimc # scope log
Server /cimc/log # clear

```

Sending the CIMC Log to a Remote Server

You can configure profiles for one or two remote syslog servers to receive CIMC log entries.

Before You Begin

- The remote syslog server must be configured to receive logs from a remote host.
- The remote syslog server must be configured to receive all types of logs, including authentication-related logs.
- The remote syslog server's firewall must be configured to allow syslog messages to reach the syslog server.

Procedure

	Command or Action	Purpose
Step 1	Server# scope cimc	Enters the CIMC command mode.
Step 2	Server /cimc # scope log	Enters the CIMC log command mode.
Step 3	Server /cimc/log # scope server {1 2}	Selects one of two remote syslog server profiles and enters the command mode for configuring the profile.
Step 4	Server /cimc/log/server # set server-ip ip-address	Specifies the remote syslog server IP address.
Step 5	Server /cimc/log/server # set enabled {yes no}	Enables the sending of CIMC log entries to this syslog server.
Step 6	Server /cimc/log/server # commit	Commits the transaction to the system configuration.

This example shows how to configure a remote syslog server profile and enable the sending of CIMC log entries:

```
Server# scope cimc
Server /cimc # scope log
Server /cimc/log # scope server 2
Server /cimc/log/server # set server-ip 192.0.2.34
Server /cimc/log/server *# set enabled yes
Server /cimc/log/server *# commit
Server /cimc/log/server #
```

System Event Log

Viewing the System Event Log

Procedure

	Command or Action	Purpose
Step 1	Server# scope sel	Enters the system event log (SEL) command mode.
Step 2	Server /sel # show entries [detail]	For system events, displays timestamp, the severity of the event, and a description of the event. The detail keyword displays the information in a list format instead of a table format.

This example displays the system event log:

```
Server# scope sel
Server /sel # show entries
Time                Severity          Description
-----
[System Boot]       Informational " LED_PSU_STATUS: Platform sensor, OFF event was asserted"

[System Boot]       Informational " LED_HLTH_STATUS: Platform sensor, GREEN was asserted"
[System Boot]       Normal           " PSU_REDUNDANCY: PS Redundancy sensor, Fully Redundant
was asserted"
[System Boot]       Normal           " PSU2 PSU2_STATUS: Power Supply sensor for PSU2, Power
Supply input lost (AC/DC) was deasserted"
[System Boot]       Informational " LED_PSU_STATUS: Platform sensor, ON event was asserted"

[System Boot]       Informational " LED_HLTH_STATUS: Platform sensor, AMBER was asserted"
[System Boot]       Critical        " PSU_REDUNDANCY: PS Redundancy sensor, Redundancy Lost
was asserted"
[System Boot]       Critical        " PSU2 PSU2_STATUS: Power Supply sensor for PSU2, Power
Supply input lost (AC/DC) was asserted"
[System Boot]       Normal           " HDD_01_STATUS: Drive Slot sensor, Drive Presence was
asserted"
[System Boot]       Critical        " HDD_01_STATUS: Drive Slot sensor, Drive Presence was
deasserted"
[System Boot]       Informational " DDR3_P2_D1_INFO: Memory sensor, OFF event was asserted"

2001-01-01 08:30:16 Warning      " PSU2 PSU2_VOUT: Voltage sensor for PSU2, failure event
was deasserted"
2001-01-01 08:30:16 Critical     " PSU2 PSU2_VOUT: Voltage sensor for PSU2, non-recoverable
event was deasserted"
2001-01-01 08:30:15 Informational " LED_PSU_STATUS: Platform sensor, ON event was asserted"

2001-01-01 08:30:15 Informational " LED_HLTH_STATUS: Platform sensor, AMBER was asserted"
2001-01-01 08:30:15 Informational " LED_HLTH_STATUS: Platform sensor, FAST BLINK event was
asserted"
2001-01-01 08:30:14 Non-Recoverable " PSU2 PSU2_VOUT: Voltage sensor for PSU2, non-recoverable
event was asserted"
2001-01-01 08:30:14 Critical     " PSU2 PSU2_VOUT: Voltage sensor for PSU2, failure event
was asserted"
--More--
```

Clearing the System Event Log

Procedure

	Command or Action	Purpose
Step 1	Server# scope sel	Enters the system event log command mode.
Step 2	Server /sel # clear	You are prompted to confirm the action. If you enter y at the prompt, the system event log is cleared.

This example clears the system event log:

```
Server# scope sel
Server /sel # clear
This operation will clear the whole sel.
Continue?[y|N]y
```