



Viewing Sensors

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Viewing Power Supply Sensors

Procedure

	Command or Action	Purpose
Step 1	Server# scope sensor	Enters sensor command mode.
Step 2	Server /sensor # show psu	Displays power supply sensor statistics for the server.
Step 3	Server /sensor # show psu-redundancy	Displays power supply redundancy sensor status for the server.

Example

This example displays power supply sensor statistics:

```
Server# scope sensor
Server /sensor # show psu
Name           Sensor Status  Reading  Units  Min. Warning  Max. Warning  Min. Failure  Max.
Failure
-----
SU1_PIN        Normal         102     Watts  N/A           882           N/A
1098
PSU2_PIN       Normal         96      Watts  N/A           882           N/A
1098
```

```

PSU3_PIN          Normal      102      Watts     N/A       882      N/A
1098
PSU4_PIN          Normal      96       Watts     N/A       882      N/A
1098
PSU1_POUT         Normal      78       Watts     N/A       798      N/A
996
PSU2_POUT         Normal      78       Watts     N/A       798      N/A
996
PSU3_POUT         Normal      84       Watts     N/A       798      N/A
996
PSU4_POUT         Normal      84       Watts     N/A       798      N/A
996
POWER_USAGE       Normal      406      Watts     N/A       N/A      N/A
2674
PSU1_DC_OK        Normal      good
PSU2_DC_OK        Normal      good
PSU3_DC_OK        Normal      good
PSU4_DC_OK        Normal      good
PSU1_AC_OK        Normal      good
PSU2_AC_OK        Normal      good
PSU3_AC_OK        Normal      good
PSU4_AC_OK        Normal      good
PSU1_STATUS       Normal      present
PSU2_STATUS       Normal      present
PSU3_STATUS       Normal      present
PSU4_STATUS       Normal      present

Server /sensor # show psu-redundancy
Name              Reading           Sensor Status
-----
PS_RDNDNT_MODE    full             Normal

Server /sensor #

```

Viewing Fan Sensors

Procedure

	Command or Action	Purpose
Step 1	Server# scope sensor	Enters sensor command mode.
Step 2	Server /sensor # show fan [detail]	Displays fan sensor statistics for the server.

Example

This example displays fan sensor statistics:

```

Server# scope sensor
Server /sensor # show fan
Name           Sensor Status  Reading  Units  Min. Warning  Max. Warning  Min. Failure
Max. Failure
-----
PSU1_FAN_SPEED Normal        5160    RPM    1118          N/A           946
N/A
PSU2_FAN_SPEED Normal        6106    RPM    1118          N/A           946
N/A
PSU3_FAN_SPEED Normal        5762    RPM    1118          N/A           946
N/A
PSU4_FAN_SPEED Normal        4988    RPM    1118          N/A           946
N/A
FAN1_SPEED     Normal        6600    RPM    2040          N/A           1800
N/A
FAN2_SPEED     Normal        6660    RPM    2040          N/A           1800
N/A
FAN3_SPEED     Normal        6600    RPM    2040          N/A           1800
N/A
FAN4_SPEED     Normal        6660    RPM    2040          N/A           1800
N/A
FAN5_SPEED     Normal        6660    RPM    2040          N/A           1800
N/A
FAN6_SPEED     Normal        6660    RPM    2040          N/A           1800
N/A
FAN7_SPEED     Normal        6660    RPM    2040          N/A           1800
N/A
FAN8_SPEED     Normal        6660    RPM    2040          N/A           1800
N/A
Server /sensor #

```

Viewing Temperature Sensors

Procedure

	Command or Action	Purpose
Step 1	Server# scope sensor	Enters sensor command mode.
Step 2	Server /sensor # show temperature [detail]	Displays temperature sensor statistics for the server.

Example

This example displays temperature sensor statistics:

```

Server# scope sensor
Server /sensor # show temperature
Name           Sensor Status  Reading  Units  Min. Warning  Max. Warning
Min. Failure  Max. Failure
-----

```

```

-----
IOH_TEMP_SENS      Normal      32.0      C      N/A      80.0
N/A      85.0
P2_TEMP_SENS      Normal      31.0      C      N/A      80.0
N/A      81.0
P1_TEMP_SENS      Normal      34.0      C      N/A      80.0
N/A      81.0
DDR3_P2_D1_TMP    Normal      20.0      C      N/A      90.0
N/A      95.0
DDR3_P1_A1_TMP    Normal      21.0      C      N/A      90.0
N/A      95.0
FP_AMBIENT_TEMP    Normal      28.0      C      N/A      40.0
N/A      45.0

Server /sensor #

```

Viewing Voltage Sensors

Procedure

	Command or Action	Purpose
Step 1	Server# scope sensor	Enters sensor command mode.
Step 2	Server /sensor # show voltage [detail]	Displays voltage sensor statistics for the server.

Example

This example displays voltage sensor statistics:

```

Server# scope sensor
Server /sensor # show voltage
Name                               Sensor Status  Reading  Units  Min. Warning  Max. Warning
Min. Failure  Max. Failure
-----
P3V_BAT_SCALED      Normal      3.022    V      N/A          N/A
2.798      3.088
P12V_SCALED        Normal      12.154   V      N/A          N/A
11.623     12.331
P5V_SCALED         Normal      5.036    V      N/A          N/A
4.844      5.157
P3V3_SCALED        Normal      3.318    V      N/A          N/A
3.191      3.381
P5V_STBY_SCALED    Normal      5.109    V      N/A          N/A
4.844      5.157
PV_VCCP_CPU1       Normal      0.950    V      N/A          N/A
0.725      1.391
PV_VCCP_CPU2       Normal      0.891    V      N/A          N/A
0.725      1.391
P1V5_DDR3_CPU1     Normal      1.499    V      N/A          N/A
1.450      1.548
P1V5_DDR3_CPU2     Normal      1.499    V      N/A          N/A
1.450      1.548
P1V1_IOH           Normal      1.087    V      N/A          N/A
1.068      1.136
P1V8_AUX           Normal      1.773    V      N/A          N/A

```

```

1.744      1.852
Server /sensor #

```

Viewing Current Sensors

Procedure

	Command or Action	Purpose
Step 1	Server# scope sensor	Enters sensor command mode.
Step 2	Server /sensor # show current [detail]	Displays current sensor statistics for the server.

Example

This example displays current sensor statistics:

```

Server# scope sensor
Server /sensor # show current
Name                               Sensor Status  Reading  Units  Min. Warning Max. Warning
Min. Failure Max. Failure
-----
VR_P2_IMON                          Normal         16.00   AMP    N/A      147.20
N/A                                  164.80
VR_P1_IMON                          Normal         27.20   AMP    N/A      147.20
N/A                                  164.80

Server /sensor #

```

Viewing Storage Sensors

Procedure

	Command or Action	Purpose
Step 1	Server# scope chassis	Enters chassis command mode.
Step 2	Server /chassis # show hdd [detail]	Displays storage sensor information.

The displayed fields are described in the following table:

Name	Description
Name column	The name of the storage device.
Status column	A brief description of the storage device status.

Name	Description
LED Status column	<p>The current LED color, if any.</p> <p>To make the physical LED on the storage device blink, select Turn On from the drop-down list. To let the storage device control whether the LED blinks, select Turn Off.</p> <p>Note This information is only available for some C-Series servers.</p>

Example

This example displays storage sensor information:

```
Server# scope chassis
Server /chassis # show hdd
Name                Status
-----
HDD_01_STATUS      present
HDD_02_STATUS      present
HDD_03_STATUS      present
HDD_04_STATUS      present

Server /chassis #
```

Setting Dynamic Front Panel Temperature Threshold

Before you begin

Log in as a user with admin privileges.

Procedure

	Command or Action	Purpose
Step 1	server # scope sensor	Enters sensor command mode
Step 2	server /sensor # set fp-critical-temp <i>upper critical temperature threshold value</i>	Sets the upper critical temperature threshold. The valid range is between 8 and 50.
Step 3	server /sensor * # commit	Commits the change in temperature threshold value.

Example

This example shows how to set the dynamic front panel temperature threshold:

```
Server # scope sensor
Valid value for "fp-critical-temp" is from 8 to 50
Server /sensor # set fp-critical-temp 44
```

```

Server /sensor *# commit
Server /sensor # show temperature
Name                Sensor Status Reading  Units  Critical Min  Critical Max
Non-Recoverable Min  Non-Recoverable Max
-----
VIC_SLOT1_TEMP      Normal      58.0    C       N/A          90.0
N/A                  95.0
TEMP_SENS_FRONT    Normal    27.0   C      N/A         40.0
N/A                50.0
DDR4_P1_A1_TMP      Normal      29.0    C       N/A          85.0
N/A                  90.0
DDR4_P2_G1_TMP      Normal      28.0    C       N/A          85.0
N/A                  90.0
P1_TEMP_SENS        Normal      39.5    C       N/A          103.0
N/A                  113.0
P2_TEMP_SENS        Normal      39.5    C       N/A          103.0
N/A                  113.0
PSU1_TEMP           Normal      27.0    C       N/A          65.0
N/A                  70.0
PSU2_TEMP           Normal      26.0    C       N/A          65.0
N/A                  70.0
PCH_TEMP_SENS       Normal      36.0    C       N/A          85.0
N/A                  90.0
RISER2_INLET_TMP    Normal      37.0    C       N/A          70.0
N/A                  80.0
RISER1_INLET_TMP    Normal      36.0    C       N/A          70.0
N/A                  80.0

```

