



Viewing Sensors

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Viewing Chassis Sensors

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.

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.

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 Current Sensors

Procedure

	Command or Action	Purpose
Step 1	Server# scope sensor	Enters sensor command mode.
Step 2	Server /sensor # show current	Displays current sensor statistics.

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
-----
PSU1_IOUT      Normal      6.00      AMP     N/A      78.00      N/A
87.00
PSU2_IOUT      Normal      6.00      AMP     N/A      78.00      N/A
87.00
PSU3_IOUT      Normal      7.00      AMP     N/A      78.00      N/A
87.00
PSU4_IOUT      Normal      7.00      AMP     N/A      78.00      N/A
87.00
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	Displays voltage sensor statistics.

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
-----
SIOC_P1V0      Normal         1.000     V      N/A       N/A       0.944
 1.064
SIOC_P1V2      Normal         1.208     V      N/A       N/A       1.128
 1.272
SIOC_P1V5      Normal         1.500     V      N/A       N/A       1.410
 1.590
SIOC_P2V5      Normal         2.478     V      N/A       N/A       2.338
 2.646
SIOC_P3V3      Normal         3.320     V      N/A       N/A       3.100
 3.500
SIOC_P12V_STBY Normal        12.060     V      N/A       N/A      11.280
 12.720
SIOC_P3V3_STBY Normal         3.360     V      N/A       N/A       3.140
 3.460
PSU1_VIN       Normal        228.000     V      N/A       N/A       N/A
 264.000
PSU2_VIN       Normal        228.000     V      N/A       N/A       N/A
 264.000
PSU3_VIN       Normal        228.000     V      N/A       N/A       N/A
 264.000
PSU4_VIN       Normal        228.000     V      N/A       N/A       N/A
 264.000
P5V_1          Normal         5.010     V      N/A       N/A       4.500
 5.640
P5V_2          Normal         5.010     V      N/A       N/A       4.500
 5.640
P5V_3          Normal         5.010     V      N/A       N/A       4.500
 5.640
P5V_4          Normal         5.010     V      N/A       N/A       4.500
 5.640
P0V9_EXP1_VCORE Normal         0.872     V      N/A       N/A       0.836
 0.976
P0V9_EXP2_VCORE Normal         0.872     V      N/A       N/A       0.836
 0.976
P0V9_EXP1_AVD  Normal         0.888     V      N/A       N/A       0.836
 0.976
P0V9_EXP2_AVD  Normal         0.904     V      N/A       N/A       0.836
 0.976
PSU1_VOUT      Normal        12.000     V      N/A       N/A       N/A
 12.600
PSU2_VOUT      Normal        12.000     V      N/A       N/A       N/A
 12.600
PSU3_VOUT      Normal        12.000     V      N/A       N/A       N/A
 12.600
PSU4_VOUT      Normal        12.000     V      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	Displays temperature sensor statistics.

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
-----
SIOC1_BACK_TEMP    Normal         37.0   C           N/A         70.0         N/A
 80.0
SIOC1_FRONT_TEMP   Normal         42.0   C           N/A         70.0         N/A
 80.0
SIOC1_MID_TEMP     Normal         41.0   C           N/A         70.0         N/A
 80.0
SIOC1_VIC_TEMP     Normal         44.0   C           N/A         70.0         N/A
 80.0
SIOC2_VIC_TEMP     Normal         44.0   C           N/A         70.0         N/A
 80.0
MOBO_R_BOT_TEMP    Normal         30.0   C           N/A         70.0         N/A
 80.0
MOBO_L_BOT_TEMP    Normal         31.0   C           N/A         70.0         N/A
 80.0
MOBO_R_MID_TEMP    Normal         25.0   C           N/A         50.0         N/A
 55.0
MOBO_R_IN_TEMP     Normal         24.0   C           N/A         50.0         N/A
 55.0
MOBO_L_IN_TEMP     Normal         26.0   C           N/A         50.0         N/A
 55.0
MOBO_L_MID_TEMP    Normal         26.0   C           N/A         50.0         N/A
 55.0
MOBO_R_OUT_TEMP    Normal         29.0   C           N/A         47.0         N/A
 52.0
MOBO_L_OUT_TEMP    Normal         29.0   C           N/A         46.0         N/A
 51.0
PSU1_TEMP          Normal         24.0   C           N/A         55.0         N/A
 60.0
PSU2_TEMP          Normal         27.0   C           N/A         55.0         N/A
 60.0
PSU3_TEMP          Normal         27.0   C           N/A         55.0         N/A
 60.0
PSU4_TEMP          Normal         25.0   C           N/A         55.0         N/A
 60.0
SIOC1_CMC_TEMP     Normal         51.0   C           N/A         75.0         N/A
 85.0
MOBO_R_EXP_TEMP    Normal         37.0   C           N/A         80.0         N/A
 90.0
MOBO_L_EXP_TEMP    Normal         40.0   C           N/A         80.0         N/A
 90.0
SIOC2_BACK_TEMP    Normal         36.0   C           N/A         70.0         N/A
 80.0
SIOC2_FRONT_TEMP   Normal         36.0   C           N/A         70.0         N/A
 80.0
SIOC2_MID_TEMP     Normal         36.0   C           N/A         70.0         N/A
 80.0

```

```

SIOC2_CMC_TEMP      Normal      36.0      C      N/A      75.0      N/A
  85.0
Server /sensor #

```

Viewing LED Sensor

Procedure

	Command or Action	Purpose
Step 1	Server# scope sensor	Enters sensor command mode.
Step 2	Server /sensor # show led	Displays LED sensor statistics.

This example displays LED sensor statistics:

```

Server# scope sensor
Server /sensor # show led
LED Name                LED State  LED Color
-----
LED_FAN12_FAULT         OFF        AMBER
LED_FAN34_FAULT         OFF        AMBER
LED_FAN56_FAULT         OFF        AMBER
LED_FAN78_FAULT         OFF        AMBER
CHS_FP_LED_ID           OFF        BLUE
LED_HLTH_STATUS         ON         GREEN
LED_PSU_STATUS          ON         GREEN
LED_TEMP_STATUS         ON         GREEN
LED_FAN_STATUS          ON         GREEN
SERVER1_FP_ID_LED       OFF        BLUE
SERVER2_FP_ID_LED       OFF        BLUE
OVERALL_DIMM_STATUS     ON         GREEN
Server /sensor #

```

Viewing Server Sensors

Viewing Storage Sensors

Procedure

	Command or Action	Purpose
Step 1	Server # scope server {1 2}	Enters server command mode of server 1 or 2.
Step 2	Server /server # scope sensor	Enters sensor command.
Step 3	Server /server /sensor # show hdd	Displays the storage sensors for the server.

This example displays the storage sensors for the server:

```
Server# scope server 1
Server /server #scope sensor
Server /server /sensor #show hdd
Name                Status
-----
SSD1_PRS            inserted
SSD2_PRS            inserted

Server server /sensor #
```

Viewing Current Sensors

Procedure

	Command or Action	Purpose
Step 1	Server # scope server {1 2}	Enters server command mode of server 1 or 2.
Step 2	Server /server # scope sensor	Enters sensor command.
Step 3	Server /server /sensor # show current	Displays the current sensors for the server.

This example displays the current sensors for the server:

```
Server# scope server 1
Server /server #scope sensor
Server /server /sensor #show current
Name                Sensor Status Reading Units Min. Warning Max. Warning Min. Failure Max.
Failure
-----
P12V_CUR_SENS      Normal          5.84 AMP N/A N/A N/A
56.90
Server server /sensor #
```

Viewing LED Sensors

Procedure

	Command or Action	Purpose
Step 1	Server # scope server {1 2}	Enters server command mode of server 1 or 2.
Step 2	Server /server # scope sensor	Enters sensor command.
Step 3	Server /server /sensor # show led	Displays the LED sensors for the server.

This example displays the LED sensors for the server:

```

Server# scope server 1
Server /server #scope sensor
Server /server /sensor #show led
LED Name                               LED State LED Color
-----
FP_ID_LED                               FAST BLINK BLUE
P1_DIMM_A1_LED                           OFF        AMBER
P1_DIMM_A2_LED                           OFF        AMBER
P1_DIMM_B1_LED                           OFF        AMBER
P1_DIMM_B2_LED                           OFF        AMBER
P1_DIMM_C1_LED                           OFF        AMBER
P1_DIMM_C2_LED                           OFF        AMBER
P1_DIMM_D1_LED                           OFF        AMBER
P1_DIMM_D2_LED                           OFF        AMBER
P2_DIMM_E1_LED                           OFF        AMBER
P2_DIMM_E2_LED                           OFF        AMBER
P2_DIMM_F1_LED                           OFF        AMBER
P2_DIMM_F2_LED                           OFF        AMBER
P2_DIMM_G1_LED                           OFF        AMBER
P2_DIMM_G2_LED                           OFF        AMBER
P2_DIMM_H1_LED                           OFF        AMBER
P2_DIMM_H2_LED                           OFF        AMBER
LED_HLTH_STATUS                          ON         GREEN
LED_TEMP_STATUS                          ON         GREEN
OVERALL_DIMM_STATUS                      ON         GREEN

Server server /sensor #

```

Viewing Temperature Sensors

Procedure

	Command or Action	Purpose
Step 1	Server # scope server {1 2}	Enters server command mode of server 1 or 2.
Step 2	Server /server # scope sensor	Enters sensor command.
Step 3	Server /server /sensor # show temperature	Displays the temperature sensors for the server.

This example displays the temperature sensors for the server:

```

Server# scope server 1
Server /server #scope sensor
Server /server /sensor #show temperature
Name           Sensor Status Reading Units   Min. Warning Max. Warning Min. Failure
Max. Failure
-----
TEMP_SENS_FRONT Normal      24.0   C      N/A      60.0      N/A
  70.0
TEMP_SENS_REAR Normal      25.0   C      N/A      80.0      N/A
  85.0
P1_TEMP_SENS Normal      21.0   C      N/A      74.0      N/A
  79.0
P2_TEMP_SENS Normal      23.5   C      N/A      74.0      N/A
  79.0
DDR3_P1_A1_TEMP Normal      23.0   C      N/A      65.0      N/A

```



```

      85.0
DDR3_P1_A2_TEMP Normal      23.0      C      N/A      65.0      N/A
      85.0
DDR3_P1_B1_TEMP Normal      23.0      C      N/A      65.0      N/A
      85.0
DDR3_P1_B2_TEMP Normal      23.0      C      N/A      65.0      N/A
      85.0
DDR3_P1_C1_TEMP Normal      24.0      C      N/A      65.0      N/A
      85.0
DDR3_P1_C2_TEMP Normal      24.0      C      N/A      65.0      N/A
      85.0
DDR3_P1_D1_TEMP Normal      24.0      C      N/A      65.0      N/A
      85.0
DDR3_P1_D2_TEMP Normal      23.0      C      N/A      65.0      N/A
      85.0
DDR3_P2_E1_TEMP Normal      23.0      C      N/A      65.0      N/A
      85.0
DDR3_P2_E2_TEMP Normal      23.0      C      N/A      65.0      N/A
      85.0
DDR3_P2_F1_TEMP Normal      22.0      C      N/A      65.0      N/A
      85.0

Server server /sensor #

```

Viewing Voltage Sensors

Procedure

	Command or Action	Purpose
Step 1	Server # scope server {1 2}	Enters server command mode of server 1 or 2.
Step 2	Server /server # scope sensor	Enters sensor command.
Step 3	Server /server /sensor # show voltage	Displays the voltage sensors for the server.

This example displays the voltage sensors for the server:

```

Server# scope server 1
Server /server #scope sensor
Server /server /sensor #show voltage
Name           Sensor Status Reading Units   Min. Warning Max. Warning Min. Failure
Max. Failure
-----
P3V_BAT_SCALED Normal      2.973      V      N/A      N/A      2.154
 3.418
P5V_STBY       Normal      4.909      V      N/A      N/A      4.555
 5.452
P3V3_STBY      Normal      3.302      V      N/A      N/A      3.018
 3.602
P1V1_SSB_STBY Normal      1.088      V      N/A      N/A      1.000
 1.205
P1V8_STBY      Normal      1.784      V      N/A      N/A      1.627
 1.980
P1V0_STBY      Normal      0.990      V      N/A      N/A      0.911
 1.088
P1V5_STBY      Normal      1.490      V      N/A      N/A      1.372
 1.637
P0V75_STBY     Normal      0.725      V      N/A      N/A      0.686
 0.823
P2V5_STBY      Normal      2.484      V      N/A      N/A      2.279

```

2.734							
P12V	Normal	11.977	V	N/A	N/A	11.210	
12.803							
P5V	Normal	5.031	V	N/A	N/A	4.680	
5.335							
P3V3	Normal	3.276	V	N/A	N/A	3.089	
3.526							
P1V5_SSB	Normal	1.482	V	N/A	N/A	1.412	
1.607							
P1V1_SSB	Normal	1.084	V	N/A	N/A	1.037	
1.178							
PVTT_P1	Normal	0.991	V	N/A	N/A	0.944	
1.061							
PVTT_P2	Normal	0.975	V	N/A	N/A	0.944	
1.061							
PVSA_P1	Normal	0.959	V	N/A	N/A	0.593	
1.170							

Server server /sensor #