



## Viewing Sensors

This chapter includes the following sections:

- [Viewing Power Supply Sensors, page 1](#)
- [Viewing Fan Sensors, page 2](#)
- [Viewing Temperature Sensors, page 3](#)
- [Viewing Voltage Sensors, page 4](#)
- [Viewing Current Sensors, page 4](#)
- [Viewing Storage Sensors, page 5](#)

## Viewing Power Supply Sensors

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	Server# <b>scope sensor</b>	Enters sensor command mode.
<b>Step 2</b>	Server /sensor # <b>show psu</b>	Displays power supply sensor statistics for the server.
<b>Step 3</b>	Server /sensor # <b>show psu-redundancy</b>	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
<b>Step 1</b>	Server# <b>scope sensor</b>	Enters sensor command mode.
<b>Step 2</b>	Server /sensor # <b>show fan [detail]</b>	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 Temperature Sensors

### Procedure

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

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
<b>Step 1</b>	Server# <b>scope sensor</b>	Enters sensor command mode.
<b>Step 2</b>	Server /sensor # <b>show voltage [detail]</b>	Displays voltage sensor statistics for the server.

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
<b>Step 1</b>	Server# <b>scope sensor</b>	Enters sensor command mode.
<b>Step 2</b>	Server /sensor # <b>show current [detail]</b>	Displays current sensor statistics for the server.

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
<b>Step 1</b>	Server# <b>scope chassis</b>	Enters chassis command mode.
<b>Step 2</b>	Server /chassis # <b>show hdd [detail]</b>	Displays storage sensor information.

The displayed fields are described in the following table:

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

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 #

```

