

RACADM Command Line
Reference Guide Addendum
for Carrier Grade Chassis
Management Controller



Notes and Cautions



NOTE: A NOTE indicates important information that helps you make better use of your computer.



CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

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Overview

This addendum provides the changes to the RACADM Command Line Interface for Carrier Grade CMC. The controller firmware Carrier Grade CMC for NEBS enabled chassis requires changes to the command line interface due to the use of DC input power. This document only provides the updated RACADM commands for DC input power operation. For all other commands, see the *RACADM Command Line Reference Guide for iDRAC7 1.00.00 and CMC 4.1* available at support.dell.com/manuals.

The following racadm commands are updated for Carrier Grade CMC:

- getpbinfo
- getsensorinfo

getpbinfo

Description	Displays power budget status information. To use this subcommand, you must have CMC Login User privilege.
Synopsis	racadm getpbinfo

Example

```
[Power Budget Status]
System Input Power                = 775 W
Peak System Power                 = 775 W
Peak System Power Timestamp       = 09:21:22 07/13/2012
Minimum System Power              = 733 W
Minimum System Power Timestamp    = 09:18:28 07/13/2012
Overall Power Health              = OK
Redundancy                        = Yes
System Input Power Cap            = 16685 W
Redundancy Policy                 = Grid Redundancy
Dynamic PSU Engagement Enabled    = No
System Input Max Power Capacity   = 8916 W
Input Redundancy Reserve          = 8916 W
Input Power Allocated to Servers  = 910 W
Input Power Allocated to Chassis Infrastructure = 216 W
Total Input Power Available for Allocation = 7057 W
Standby Input Power Capacity      = 0 W
Server Based Power Management Mode = No
```

Max Power Conservation Mode = No

Server Performance Over Power Redundancy = No

[Chassis Power Supply Status Table]

<Name>	<Model>	<Power State>	<Input Current>	<Input Volts>	<Output Rated Power>
PS1	OHPTJR	Online	0.9 A	-56.0	2700 W
PS2	OHPTJR	Online	0.8 A	-56.0	2700 W
PS3	OHPTJR	Online	3.3 A	-55.9	2700 W
PS4	OHPTJR	Online	3.9 A	-55.9	2700 W
PS5	OHPTJR	Online	3.4 A	-56.0	2700 W
PS6	OHPTJR	Online	1.8 A	-56.0	2700 W

[Server Module Power Allocation Table]

<Slot#>	<Server Name>	<Power State>	<Allocation>	<Priority>	<Blade Type>
1	SLOT-01	N/A	N/A	1	N/A
2	SLOT-02	N/A	N/A	9	N/A
3	SLOT-03	ON	245 W	1	PowerEdgeM600
4	SLOT-04	ON	196 W	1	PowerEdgeM605
5	SLOT-05	ON	169 W	1	PowerEdgeM600
6	SLOT-06	N/A	N/A	1	N/A
7	SLOT-07	N/A	N/A	1	N/A
8	SLOT-08	N/A	N/A	1	N/A
9	SLOT-09	N/A	N/A	1	N/A
10	SLOT-10	ON	158 W	1	PowerEdgeM605
11	SLOT-11	N/A	N/A	1	N/A
12	SLOT-12	N/A	N/A	1	N/A
13	SLOT-13	ON	142 W	1	PowerEdgeM605
14	SLOT-14	N/A	N/A	1	N/A
15	SLOT-15	N/A	N/A	1	N/A
16	SLOT-16	N/A	N/A	1	N/A

[Server Module Power Allocation Table]

<Slot#>	<Server Name>	<PowerState>	<Allocation>	<Priority>	<Blade Type>
1	SLOT-01	N/A	N/A	5	N/A
2	SLOT-02	OFF	0 W	5	PowerEdgeM805
3	SLOT-03	ON	164 W	5	N/A
4	SLOT-04	ON	155 W	5	
5	SLOT-05	ON	180 W	5	
6	SLOT-06	ON	180 W	5	PowerEdgeM600
7	SLOT-07	ON	170 W	5	
8	SLOT-08	N/A	N/A	5	N/A
9	SLOT-09	N/A	N/A	5	N/A
10	SLOT-10	Extension(2)	N/A	5	N/A
11	SLOT-11	N/A	N/A	5	N/A
12	SLOT-12	ON	125 W	5	PowerEdgeM600
13	SLOT-13	N/A	N/A	5	N/A
14	SLOT-14	ON	342 W	5	N/A

15	SLOT-15	ON	140 W	5	
16	SLOT-16	ON	125 W	5	N/A

getsensorinfo

Description	Displays status for system sensors. To use this subcommand, you must have CMC Login User privilege.
Synopsis	racadm getsensorinfo

Examples

```
<racadm getsensorinfo
```

```
<senType> <Num> <sensorName> <status> <reading> <units> <lc> <uc>
FanSpeed 1 Fan-1 OK 4908 rpm 2522 14500
FanSpeed 2 Fan-2 OK 4882 rpm 2522 14500
FanSpeed 3 Fan-3 OK 4932 rpm 2522 14500
FanSpeed 4 Fan-4 OK 4930 rpm 2522 14500
FanSpeed 5 Fan-5 OK 4988 rpm 2522 14500
FanSpeed 6 Fan-6 OK 4993 rpm 2522 14500
FanSpeed 7 Fan-7 OK 4923 rpm 2522 14500
FanSpeed 8 Fan-8 OK 4901 rpm 2522 14500
FanSpeed 9 Fan-9 OK 4876 rpm 2522 14500
```

```
<senType> <Num> <sensorName> <status> <reading> <units> <lc> <uc>
Temp 1 Ambient_Temp OK 21 celcius N/A 40
```

```
<senType> <Num> <sensorName> <status> <AC-OK status>
PWR 1 PS-1 Online OK
PWR 2 PS-2 Online OK
PWR 3 PS-3 Online OK
PWR 4 PS-4 Online OK
PWR 5 PS-5 Online OK
PWR 6 PS-6 Online OK
```

```
<senType> <Num> <sensorName> <status>
Cable 1 IO-Cable OK
Cable 2 FPC-Cable OK
```

