D018-000128-000 Rev. 03

Datasheet

Overview

Resource Manager Standard Edition is an in-band monitoring and management application for Western Digital storage platforms. It runs on the host operating system (Windows® or Linux®), using a RESTful interface to present a real-time status of the platform's storage health and management controls to the browser in the form of an intuitive GUI.

Western Digital	Western Digital Resource Manager – Standard	Version 1.2 🚺 urmadmin
	Storage Capacity	() System Information
-		General IOM & IOM B
Dashboard		Product Name H6060-1
Virtual View	Capacity Populated Capacity: 444 TB Uncodified	Vendor HGST
		SES Firmware Version 3010-007
Devices >	0. 100 200 300 ADD 300 ADD	Serul Number THCCT02721E20003
MegaRAID	Note: 0	COBM Terrivare 3.1.11
Alerts	(ve) Sensor Information	(2) Event Logs (Storage Server Hardware)
User Settings	0 55	Temperature 0.5%
Virtual Tour		RAID 50.0%
	0 / Sile 45	Cable/Interconnect 0.0%
	and the second se	Drive Slut 0.05
	17 40 8	Voltage 0.0%
	35	Current 0.0%
	30 30	Memory 0.0%
	25	Untrown 0.0%
	16:40 16:41 16:42 16:43 16:44 Time	Storage 50.0%
	Celsius The Pahrenheit	
	🖧 EventLogs O Al e Critical e Warning	
	2022/04-21 🕢 MR-Controller Event 13:39:30 : AVAdo MegaRalo Sas 9439 (Biller, Enclosu	nn PD 40(c E3 /p1) fan 3 sovrd changed i RAID
	2022-04-21 (MR-Controller Event 15:39:50 : 49/460 MegaR4/0 SAS 9480-8i8e: Enclosu	re PD 4f(c C2 /pl) fan 7 speed changed RAID

Feature Highlights

- Multiple JBOD support
- Multiple Broadcom[®] MegaRAID[®] or HBA support¹
- Virtual presence view with components & sensor status
- Drive monitoring, LED management, & firmware update
- Zoning configuration: predefined, custom, import/export
- Alerts & notifications

Dashboard

View a consolidated monitoring page displaying the most critical platform data, such as populated/unpopulated storage capacity, system information (serial number, SEP & OOBM FW versions), IOM information (MAC & IP addresses), and the last 10 minutes of sensor readings (refreshed approximately every 60 seconds). Events are displayed in a categorized pie chart as well as a chronological list, filterable by severity.

¹ Only supported Broadcom MegaRAID controllers or HBAs. See your platform's *Compatibility Matrix* for details.

² See your platform's Compatibility Matrix for de

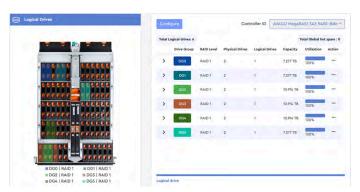
² Four Ultrastar Data60s or two Data102s

Multiple JBODs

Manage up to four platforms of the same type² with a single host in a daisy-chain configuration, or two platforms in a direct-attach configuration.



MegaRAID



Select any MegaRAID controller detected in the host, toggle from JBOD to RAID mode, view settings and information, and upgrade controller firmware. Group drives and hot spares, assign a RAID level, and allocate capacity to logical drives. Logical drive actions include background/foreground initialization, consistency check, reconstruction, and erase. View a consolidated listing of RAID information for each configured drive group and detailed information for associated drives. Upgrade firmware for individual drives or an entire group based on model number.

Devices



See the health of all drives at-a-glance, or select a specific drive to view its information, sensor data, and performance statistics. View the connection status of IOM ports and details of connected cables. Select a predefined zoning configuration, group specific drives to create your own, and import or export custom configurations. Upgrade IOM firmware, reset the enclosure and/or IOMs, and configure OOBM details. Check the status, readings, and thresholds of all sensors in the enclosure.

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Download Instructions

Visit the Western Digital Business Support Center at https:// portal.wdc.com/s/ to download the Resource Manager Standard Edition:

- 1. Log in to your support account and choose the **Downloads** option.
- 2. Under Identify Product, select Resource Manager, your operating system, and the current version of the Resource Manager Standard Edition.
- Under Select Files for Download, expand the Documentation and Software Binaries menus, and select the binary file(s) for your platform(s).
- 4. Under **Review & Download Files**, review your selections. If you selected more than one file, choose the desired archive file format and click **Download All**.
- **5.** Unzip/extract the archive file to the desired directory on the host server.

For installation and use instructions, refer to the Resource Manager Standard Edition *User Guide*.

For software release notes, refer to the Resource Manager Standard Edition *Release Notes*.

Compatible Operating Systems

Operating System	Version	
Red Hat® Enterprise Linux® (RHEL)	7.6, 7.9, 8.0, 8.2, 8.3	
CentOS	7.6, 7.9, 8.0, 8.2, 8.3	
Ubuntu	16.04, 18.04, 20.04	
Debian	10.9	
Oracle® Linux	8.2	
Windows Server®	2016, 2019	

Compatible Browsers

Browser	Version	
Chrome	83.0.4103.97 or newer	
Firefox	68.9.0esr (64-bit) or newer	

Supported Platforms

Ultrastar Data102 and Data60

Required Firmware

Firmware	Version
SEP	3010-007 or later
OOBM	3.1.11 or later

Required Software

Software	Version	Applicable OSs & Platforms
Apache HTTP Server™	2.4.46	Linux only
Internet Information Services (IIS)	10	Windows only
URL Rewrite	2.1	Windows only
Python®	3.6	Windows & Linux
Python Modules: pip Flask Flask-Cors Flask-RESTful pymongo requests PyJWT json2html waitress Paste	9.0.1 1.1.2 3.0.8 0.3.9 3.11.0 2.18.4 2.0.1 1.3.0 2.0.0 3.5.0	Windows & Linux
Python Modules: pywin32 psutil	300 5.8.0	Windows only
MongoDB™	4.4	Windows & Linux
WDDCS Tool ³	2.1.4.0	Windows & Linux
WDCKIT ³	2.11.0.0	Windows & Linux
sg_utils	1.42	Windows & Linux

³ Included with Resource Manager installation

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