HGST Device Manager™

Simplified Flash Management Solution

Requirements

Operating Systems

- Microsoft Windows Microsoft Windows Server 2008, Standard/Enterprise, 32-bit or 64-bit
- Microsoft Windows Server 2012, Standard/Enterprise, 32-bit or 64-bit
- Microsoft Windows 7, 32-bit or 64-bit
- Microsoft Windows 8.1, 32-bit or 64-bit
- Red Hat Enterprise Linux Red Hat Enterprise Linux (RHEL) 5 64-bit
- Red Hat Enterprise Linux (RHEL) 6 64-bit
- Solaris 11.1 Solaris 11.1, 32-bit Solaris 11.1, 64-bit Solaris 11 Express 2010.11 Packages SUSE
- Linux SUSE Linux Enterprise Server (SLES) 11, 64-bit
- Oracle Linux Oracle Enterprise Linux (OEL) 5.6
- Nexenta NexentaStor 3.1 NexentaStor 4.0 VMware ESXi 5.1 ESXi 5.5 Supported Products

Server Memory & Recommended CPU:

- Dual core or greater, 2GHz or above, 64-bit x86 processor; Memory utilization: 4 GB RAM; CPU utilization: 3% - 5%

We have seen a massive paradigm shift in enterprise data storage strategies with the growing popularity of flash. This has led to increased deployments of solid-state drives (SSDs) within data centers. Since SSDs have unique management characteristics when compared to hard disk drives (HDDs), easing integration is key to adopting SSDs within the existing storage device infrastructure.

Being an industry leader in SSDs and pioneer of leading flash data management technologies, HGST is placing importance around the need to more effectively manage SSDs. The limitations of existing storage device management tools in the understanding of flash data storage as well as supporting newer interfaces like PCIe has resulted in new areas to consider for modern day IT managers. HGST Device Manager addresses this critical need for a storage device management solution by understanding flash characteristics - helping IT managers manage flash. The result provides an efficient flash management solution making it easy for anyone to use.

HGST Device Manager™ is a simplified cross platform multi-drive flash management solution that enables quick SSD deployment with granular control and management of SSDs including detailed configuration, monitoring, reporting and diagnostics ensuring constantly optimized performance and data integrity with intrinsic control of flash within your data center environment.

Features and Benefits

Feature / Function	Benefits
Cross-Platform Multi-Drive Flash Management Solution	Supports all major HGST enterprise platforms and flash interfaces: SAS, SATA, PCIe.
Easy Installation With Fast, Efficient Configuration via Interactive Management Interfaces	Simplified installation, configuration and management via easy to use GUI and detailed CLI; parameters such as preparing SSD for use, format, sanitize, etc.
Proficient Management With Granular Performance Monitoring and Proactive Reporting	Keeps active track of all the key drive performance and usage statistics, generates alert messages critical for efficient operation and administration of flash within data center ensuring that you get the best out of your flash investment with minimized disruption.
Drive Health Check Ensuring Data Integrity	Capable of manual or scheduled health checks to monitor the health and state of HGST SSDs to ensure data integrity and generate alerts when the drive is due for replacement.
Diagnostics & Error Detection for Consistent Drive Peformance	Detailed log file generation that assists in the diagnosis of drive issues f or ensuring better and consistent drive performance.

HGST

a Western Digital company

HGST Device Manager

Information and Technical Support
www.hgst.com (Main Web site)
www.hgst.com/partners (Partner Web site)

North America
support__usa@hgst.com
Toll free: 1 888 426-5214, Direct: 1 408 717-8087

Asia Pacific
support__ap@hgst.com / 65 6840 9595

EMEA and UK
support__uk@hgst.com / 44 20 7133 0032

Germany
support__uk@hgst.com / 49 6929 993601

Program Support
Partners First Program channelpartners@hgst.com

Specifications

Overview	Software solution that is independent of host hardware for managing multiple HGST drives
Solid-state Device Compatability	MACH16 Gen2 SATA (SATA-II) Solid-state Drives (SSD) s1100 Series Gen2 PCIe 2.1 x4 Lane Solid-State Accelerators (SSA) s400 Series Gen4 Fibre Channel (FC) SSD s600 Series Gen2 SATA (SATA-II) SSDs s800 Series Gen4 Serial-Attached SCSI (SAS) SSDs ZeusRAM Gen3 ZeusRAM SAS SSDs. HGST FlashMAX II and HGST FlashMAX III HGST UltraStar SAS
Operating Systems	Microsoft Windows Microsoft Windows Server 2008, Standard/Enterprise, 32-bit or 64-bit
	Microsoft Windows Server 2012, Standard/Enterprise, 32-bit or 64-bit
	Microsoft Windows 7, 32-bit or 64-bit
	Microsoft Windows 8.1, 32-bit or 64-bit
	Red Hat Enterprise Linux Red Hat Enterprise Linux (RHEL) 5 64-bit
	Red Hat Enterprise Linux (RHEL) 6 64-bit
	Solaris 11.1 Solaris 11.1, 32-bit Solaris 11.1, 64-bit Solaris 11 Express 2010.11 Packages SUSE
	Linux SUSE Linux Enterprise Server (SLES) 11, 64-bit
	Oracle Linux Oracle Enterprise Linux (OEL) 5.6
	Nexenta NexentaStor 3.1 NexentaStor 4.0 VMware ESXi 5.1 ESXi 5.5 Supported Products
Capabilities	All inclusive HGST SSD management solution; firmware upgrades, format, sanitize, capture field data and drive statistics, retrieve S.M.A.R.T. data
Management	Interactive GUI and Advanced CLI

[1] One GB is equal to one billion bytes when referring to hard drive capacity. Accessible capacity will vary depending on the operating environment and formatting.
[2] Portion of buffer capacity used for drive firmware
[3] MB is equal to MillionBytes
[4] Excludes command overhead
[5] MTBF target is based on a sample population and is estimated by statistical measurements and acceleration algorithms under median operating conditions. MTBF ratings are not intended to predict an individual drive's reliability. MTBF does not constitute a warranty.

HGST
a Western Digital company