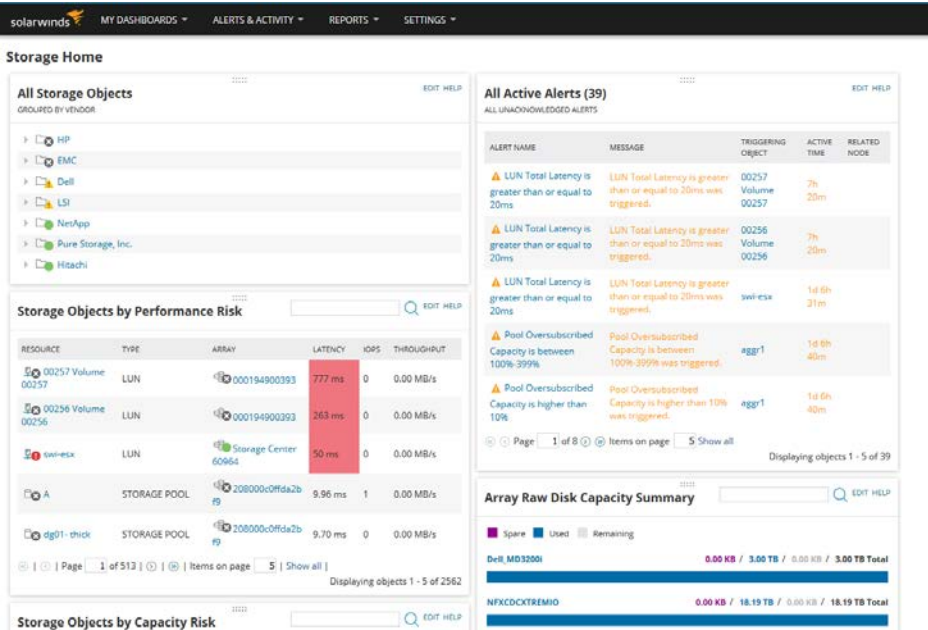


Storage Resource Monitor

Storage resource management reporting and analysis



The screenshot displays the SolarWinds Storage Resource Monitor interface. The top navigation bar includes 'MY DASHBOARDS', 'ALERTS & ACTIVITY', 'REPORTS', and 'SETTINGS'. The main content area is divided into several sections:

- Storage Home:** A tree view showing storage objects grouped by vendor, including HP, EMC, Dell, LSI, NetApp, Pure Storage, Inc., and Hitachi.
- All Storage Objects:** A table listing storage objects with columns for Resource, Type, Array, Latency, IOPS, and Throughput. The table shows objects like '00257 Volume' and '00256 Volume' with latency values of 777 ms and 363 ms respectively.
- All Active Alerts (39):** A table listing active alerts with columns for Alert Name, Message, Triggering Object, Active Time, and Related Node. Alerts include 'LUN Total Latency is greater than or equal to 20ms' and 'Pool Oversubscribed Capacity is between 100%-399%'.
- Storage Objects by Performance Risk:** A table showing storage objects with high performance risk, such as 'swirexk' with a latency of 50 ms.
- Array Raw Disk Capacity Summary:** A bar chart showing disk capacity usage for arrays like 'Dell MD3200' and 'NFXCCKTREMIG'.

Get a comprehensive view into the performance and capacity of your heterogeneous storage environment with agentless NAS and SAN attached storage monitoring and reporting. Visualize your storage environment including volumes, RAID groups, storage pools, disks, and more. Extend your SolarWinds® Server & Application Monitor (SAM) and Virtualization Manager (VMAN) monitoring and reporting down to the device level with Storage Resource Manager Orion® Platform integration.

FEATURES

- Storage performance monitoring and hotspot detection
- Storage array hardware health visualization
- Storage capacity planning with historical and forecasted views
- Custom and predefined alerts and reports
- Detailed views into controller, array, pool, and LUN capacity and performance



END-TO-END VISIBILITY OF THE APPLICATION STACK

Use Storage Resource Monitor (SRM) to access the AppStack™ and PerfStack™ dashboards for end-to-end visibility into application and infrastructure performance, including your storage resources.

AppStack is designed to surface application performance issues and can allow you to quickly determine the cause—whether it’s server, virtual, or storage infrastructure. You can quickly assess the health of your entire environment and troubleshoot specific, interrelated problems— all from one view.

PerfStack presents cross-stack performance data and metrics across your storage arrays, virtualization, applications, systems, and network systems, enabling them over time. This integrated view helps you better predict, prioritize, and resolve issues before they affect end users.

SYSTEM REQUIREMENTS

| HARDWARE | MINIMUM REQUIREMENTS |
|------------|--|
| CPU | Quad core processor or better |
| Memory | 6GB |
| Hard Drive | 20GB minimum |
| SOFTWARE | MINIMUM REQUIREMENTS |
| OS | Windows Server® 2016 or later |
| Database | <p>On-premises</p> <p>SolarWinds supports Express, Standard, or Enterprise versions of the following:</p> <ul style="list-style-type: none"> • SQL Server® 2014, 2014 SP1, 2014 SP2 • SQL Server® 2016, 2016 SP1 • SQL Server® 2017 (including installations on Linux) • SQL Server® 2019 <p>Cloud</p> <p>Amazon® RDS</p> <p>Azure SQL database, Managed Instance</p> |

NOTE: The minimum server requirements listed assume default configuration. Significantly increasing the poll rate or statistic collection rate could result in additional load on the server, which may require a larger CPU or additional memory.

SUPPORTED STORAGE DEVICES

NETAPP:

- NetApp® E-series
- NetApp Filers (OnTAP 7-mode)
- Net App Filers (Clustered Data OnTAP (CDOT))
- NetApp AFF
- NetApp EF

DELL EMC:

- Dell EMC Unity

DELL EMC DATA DOMAIN

DELL EMC CLARIION:

- Dell EMC VNX®
- Dell EMC Celerra®
- Dell EMC Isilon®
- Dell EMC Symmetrix® VMAX® VMAXe®, DMX®
- Dell EMC XtremIO®
- Dell EMC VMAX3 (Flash Family)

IBM:

- IBM® N Series
- IBM DS3xxx, 4xxx, 8xxx
- IBM 6xxx, 8xxx
- IBM Spectrum™ Virtualize (Vxxx & SVC)
- IBM Spectrum Accelerate (XIV)
- IBM (ESS) Enterprise Storage Server®
- IBM FlashSystem A9000/A9000R
- IBM FlashSystem A9000/A9000R/V9000

HITACHI:

- Hitachi Data Systems® AMS
- Hitachi Data Systems USP, USPV, VSP
- Hitachi Data Systems HUS 100 Blockside, HUS VM Blockside

HPE:

- HPE® Nimble Storage AF-Series & CS-Series
- HPE StoreServ® 3PAR
- HPE StoreVirtual®/LeftHand™ P4xxx
- HPE StorageWorks® EVA
- HPE StorageWorks XP
- HPE MSA/P2xxx

HUAWEI:

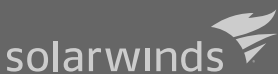
- OceanStor® v3/v5 Series
- OceanStor® Dorado™ v3 Series
- Kaminario:
- K2
- K2.N

OTHER VENDORS:

- Oracle®/SUN®: StorageTek® 2xxx & 6xxx, Virtual Storage Manager 99xx Series, Flex
- Oracle/Pillar
- Xiotech® Emprise 7000, Magnitude 3D 3xxx and 4xxr
- ONStor®
- Dot Hill® AssuredSAN 4xxx/5xxx
- Pure Storage®
- LSI Arrays
- INFINIDAT® InfiniBox™ Fxxxx

ABOUT SOLARWINDS

SolarWinds (NYSE:SWI) is a leading provider of powerful and affordable IT infrastructure management software. Our products give organizations worldwide, regardless of type, size, or IT infrastructure complexity, the power to monitor and manage the performance of their IT environments, whether on-prem, in the cloud, or in hybrid models. We continuously engage with all types of technology professionals—IT operations professionals, DevOps professionals, and managed service providers (MSPs)—to understand the challenges they face maintaining high-performing and highly available IT infrastructures. The insights we gain from engaging with them, in places like our THWACK online community, allow us to build products that solve well-understood IT management challenges in ways that technology professionals want them solved. This focus on the user and commitment to excellence in end-to-end hybrid IT performance management has established SolarWinds as a worldwide leader in network management software and MSP solutions.



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