

SQL Sentry Portal Storage

Last Modified on 15 October 2021

Feature Availability: Support for the **Storage** tab is currently in a **preview** status. It is available in version 2021.18 to those who are part of the feature preview program for this release.

Storage

The Storage view provides details about the disk space and disk activity in your monitored environment. Use the **Storage** tab to view details about your monitored environment storage by disk, including capacity, free space, databases, etc.

View data about your monitored environment's disk activity and disk space. Selecting a link from the table on the left populates details for your selection on the right in the Details and Trends tabs.

The screenshot displays the SQL Server Enterprise Manager interface. The top navigation bar includes tabs for HEALTH, PERFORMANCE, STORAGE (selected), TOP SQL, BLOCKING, DEADLOCKS, and TEMPDB. The left pane shows a tree view of storage items, with 'MSDBData' highlighted. The right pane shows the 'DETAILS' view for 'MSDBData', which includes a 'CAPACITY' section with 'Size' (24 MB), '% Used' (91.65%), and 'File Group' (PRIMARY). Below this, the 'Database' is identified as 'msdb' and the 'File Path' is shown as 'C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER\MSSQL\DATA\MSDBData.mdf'. A table of VLFs is also displayed with columns for Active VLFs, Autogrowth, Autogrowth VLF Count, Autogrowth VLF Size, Last Backup Time, and Last Backup Type.

Active VLFs	Autogrowth	Autogrowth VLF Count	Autogrowth VLF Size	Last Backup Time	Last Backup Type
0	10% (2.4 MB)	4	613 KB	-	UNDEFINED

Overview Chart

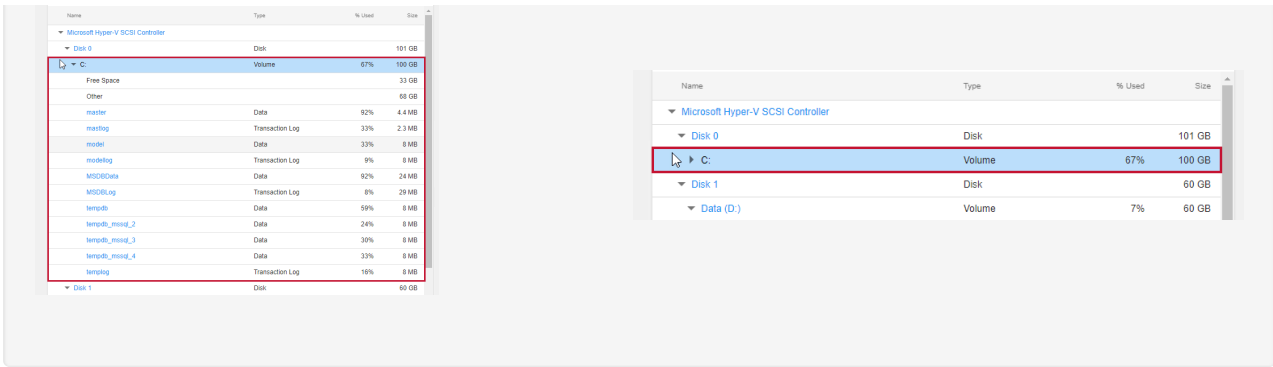
The Overview chart displays Storage information for your monitored environment.

Note: Select any blue link to display more information about your selection in the **Details** tab.

Name	Type	% Used	Size
Microsoft Hyper-V SCSI Controller			
Disk 0	Disk		96 GB
C:	Volume	93%	95 GB
Free Space			6.8 GB
Other			87 GB
master	Data	86%	4.4 MB
mastlog	Transaction Log	68%	2.3 MB
model	Data	33%	8 MB
modellog	Transaction Log	20%	8 MB
MSDBData	Data	95%	22 MB
MSDBLog	Transaction Log	12%	29 MB
tempdb	Data	2%	392 MB
tempdb_mssql_2	Data	1%	392 MB
tempdb_mssql_3	Data	2%	392 MB
tempdb_mssql_4	Data	1%	392 MB
templog	Transaction Log	7%	136 MB
Disk 1	Disk		100 GB
Data (D:)	Volume	40%	100 GB
Free Space			60 GB
Other			31 GB
ReportServer	Data	86%	8 MB
ReportServerTempDB	Data	49%	8 MB
SentryOne_Data	Data	91%	8 GB
TestDB	Data	39%	8 MB
Disk 2	Disk		31 GB

Option	Description
Name	The name of your monitored storage unit.
Type	The type of storage unit (Disk , volume, Transaction Log, Data, etc).
% Used	The percentage of used space for the storage unit.
Size	The overall size of the Storage unit in MB or GB.

Note: You can use the ► icon to expand information for a selected disk and the ▼ icon to minimize information for a selected disk.



Details

The **Details** tab displays recorded storage metrics for your monitored environment.

DETAILS
TRENDS

CAPACITY epiTest_Log

Size
408 MB

% Used
0.77%

File Group
-

Database
epiTest

File Path
E:\Log\epiTest_Log.ldf

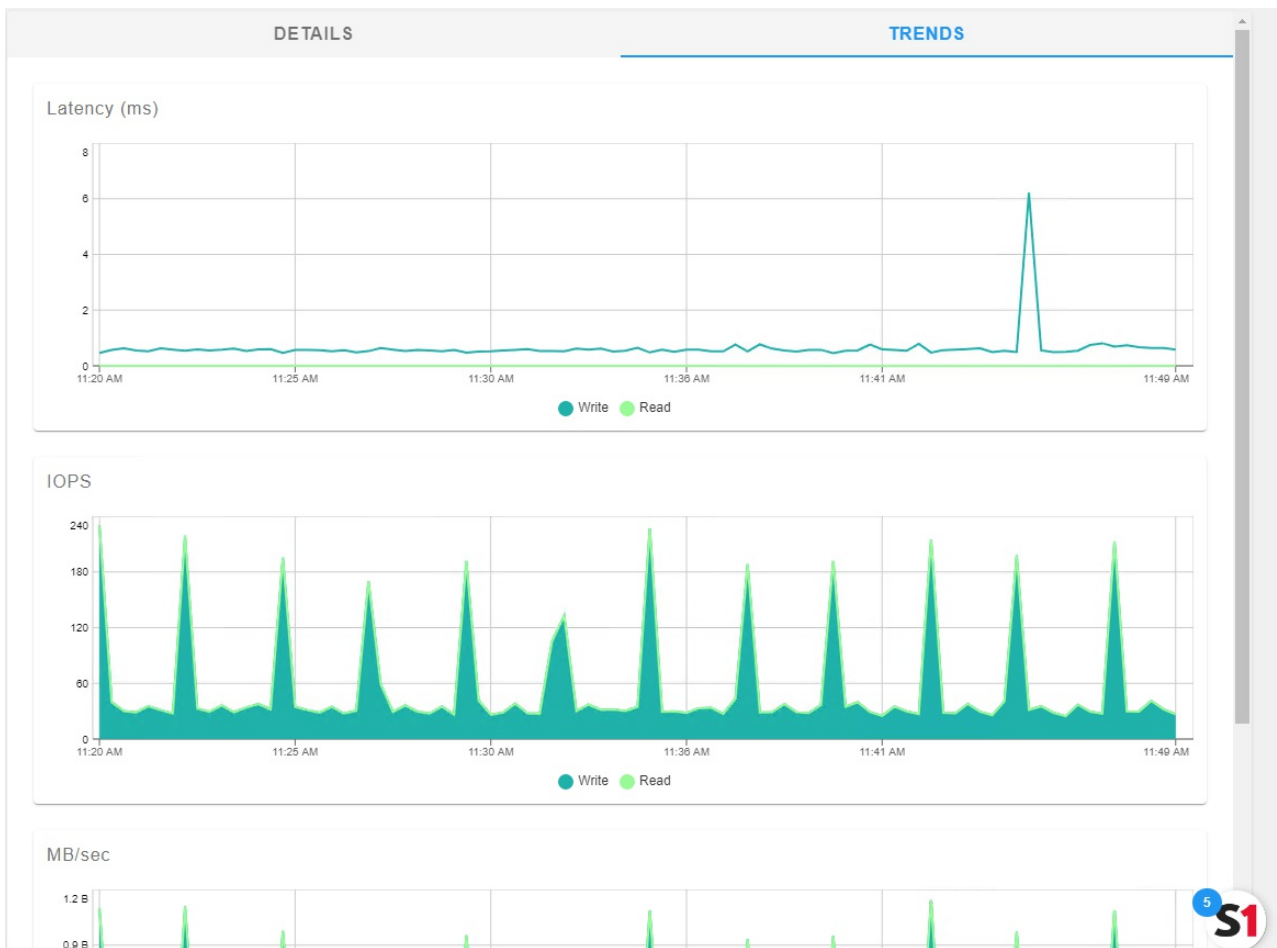
Active VLFs	Autogrowth	Autogrowth VLF Count	Autogrowth VLF Size	Last Backup Time	Last Backup Type
1	6.3 KB	4	1.6 KB	-	UNDEFINED
Log Reuse Wait	Max File Size	Max VLF Size	Min VLF Size	Total VLFs	Used Space
UNKNOWN	256 MB	13 MB	1.9 MB	36	3.1 MB

Option	Description
Size	The overall size of the selected Storage unit in MB or GB.
% Used	The percentage of used space for the selected storage unit.
File Group	The file group that the storage unit is associated with.
Database	The database for the selected storage unit.
File Path	The file path for the selected storage unit.
Active VLFs	The number of active virtual log files for the selected storage unit.
Autogrowth	The percentage of autogrowth and amount of autogrowth memory in (KB), or (MB).
Autogrowth VLF Count	The number of virtual log files that have used autogrowth for the selected storage unit.
Autogrowth VLF	The size in (KB) or (MB) of the autogrowth VLF(s).

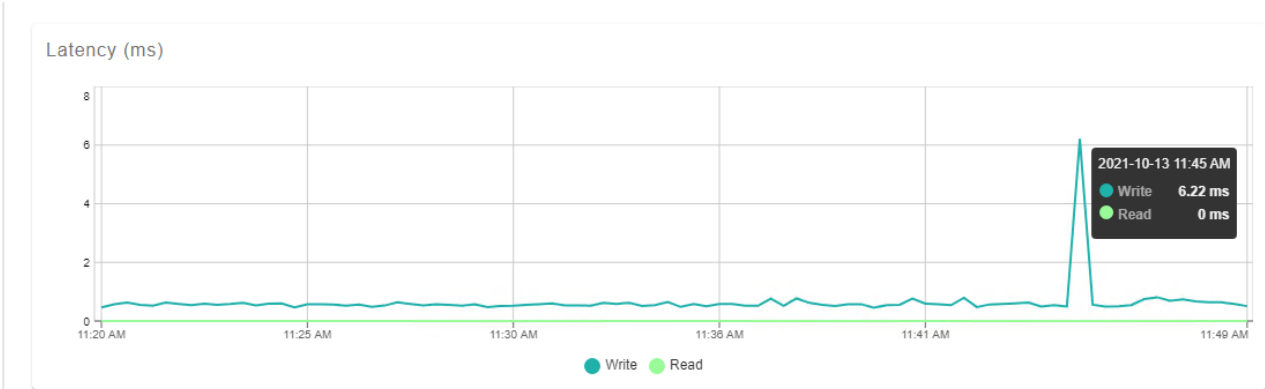
Size Option	Description
Last Backup Time	The time in UTC that the selected storage unit was last backed up.
Last Backup Type	The type of backup performed during the last backup period.
Max File Size	The maximum file size for the selected storage unit.
Max VLF Size	The maximum virtual log file size for the selected storage unit.
Min VLF Size	The minimum virtual log file size for the selected storage unit.
Total VLFs	The total number of virtual log files for the selected storage unit.
Used Space	The total amount of consumed space for the selected storage unit.

Trends

The **Trends** tab displays Latency, IOPS, and MB/sec graphs for your selected storage unit.



Select a spike on a trends graph to display detailed read and write tooltips for your selection.



View storage trends historically for your selection. Select the calendar, and then select the desired **Range**, **Days**, **Weeks**, or **Months** that you want to display. Select **Apply** to update the trends graphs based on your selection.

The screenshot shows the 'STORAGE' tab in SQL Server Enterprise Manager. On the left, a table lists storage components:

Name	Type	% Used	Size
Microsoft Hyper-V SCSI Controller			
Disk 0	Disk	99 GB	
C:	Volume	97%	95 GB
Free Space			3.3 GB
Other			90 GB
master	Data	86%	4.4 MB
mastlog	Transaction Log	35%	2.3 MB
model	Data	33%	8 MB
modellog	Transaction Log	20%	8 MB
MSDBData	Data	95%	22 MB
MSDBLog	Transaction Log	6%	29 MB
tempdb	Data	2%	392 MB
tempdb_mssql_2	Data	1%	392 MB
tempdb_mssql_3	Data	1%	392 MB
tempdb_mssql_4	Data	1%	392 MB
templog	Transaction Log	6%	136 MB
Disk 1	Disk	100 GB	
Data (D:)	Volume	40%	100 GB
Free Space			60 GB
Other			31 GB
ReportServer	Data	86%	8 MB
ReportServerTempDB	Data	49%	8 MB
SentryOne_Data	Data	80%	8 MB
TestDB	Data	39%	8 MB
Disk 2	Disk	31 GB	

The 'DETAILS' pane on the right shows three graphs: Latency (ms), IOPS, and MB/sec. A 'RANGE' dropdown menu is open, showing options like 'Last Hour', 'Last 4 Hours', etc., and a custom range selection with 'Apply' and 'Cancel' buttons.

Note: Select the button to switch to live data.

Select a graph metric to remove that data from the graph.

