

Metric availability for instances hosted on the cloud

SQL Diagnostic Manager allows you to view a wide range of information collected for your monitored SQL Server instances hosted on Amazon RDS and Microsoft SQL Azure.



SQLDM supports monitoring of images hosted on virtualized or cloud IaaS environments such as Microsoft Azure and Amazon EC2.

To have more information on the metrics data that are available for cloud instances, select your preferred option:

- [Available metrics for Amazon RDS and Microsoft SQL Azure in SQL Diagnostic Manager.](#)
- [Unavailable metrics for Amazon RDS and Microsoft SQL Azure in SQL Diagnostic Manager.](#)

Available metrics for Amazon RDS and Microsoft SQL Azure in SQL Diagnostic Manager

For monitored SQL Server instances hosted on Amazon RDS

SQL Diagnostic Manager Area	Collected Metrics by Amazon RDS
Sessions -> Summary	Response Time
	Sessions
	Blocked Sessions
	Lock Statistics -> Average Wait Time
	Lock Statistics -> Deadlocks
	Lock Statistics -> Requests
	Lock Statistics -> Timeouts
	Lock Statistics -> Waits
	Lock Statistics -> Wait Time
Sessions -> Details	User Session
	Status
	Host
	Net Library
	Network Address
	User
	Application
	Database
	Transaction Isolation Level
	Login Time
	Last Activity
	Physical I/O
	CPU (ms)
	Memory (kb)
	Open Transactions

	Wait Time (ms)
	Blocking
	Blocking Count
	Version Store Elapsed Seconds
	Space Used in kb (Alloc / Dealloc)
	Session User Space
	Task User Space
	Session Internal Space
	Task Internal Space
Overview -> Details	Batches
	Batches Per Second
	Blocked Sessions
	Buffer Cache Hit Ratio
	Buffer Cache Size
	Checkpoint Writes
	Checkpoint Writes Per Second
	Client Computers
	Connections
	Connections Per Second
	Data File Count
	Data File Space Allocated
	Database Count
	Full Scans
	Full Scans Per Second
	Lazy Writer Writes
	Lazy Writer Writes Per Second
	Lead Blockers
	Lock Waits
	Lock Waits Per Second
	Log File Count
	Log File Space Allocated
	Log File Space Used
	Log Flushes
	Log Flushes Per Second
	Maintenance Mode
	OLE Automation Status
	Open Transactions
	OS Metrics Availability

Packet Errors
Packet Errors Per Second
Packets Received
Packets Received Per Second
Packets Sent
Packets Sent Per Second
Page Life Expectancy
Page Lookups
Page Lookups Per Second
Page Reads
Page Reads Per Second
Page Splits
Page Splits Per Second
Page Writes
Page Writes Per Second
Procedure Cache Hit ratio
Read Ahead Pages
Read Ahead Pages Per Second
Read Write Errors
Response Time
Running Since
Server Version
Sql Compilations
Sql Compilations Per Second
Sql CPU Activity
Sql Memory Allocated
Sql Memory Used
Sql Recompilations
Sql Recompilations Per Second
System Processes
System processes Consuming CPU
User Connections Percent
User Processes
User Processes Consuming CPU
WMI Service Status
Workfiles Created
Workfiles Created Per Second
Worktables Created

Worktables Created Per Second

For monitored SQL Server instances hosted on Microsoft SQL Azure

SQL Diagnostic Manager Area	Collected Metrics by Microsoft SQL Azure
Sessions -> Summary	Response Time
	Sessions
	Blocked Sessions
Sessions -> Details	Connection
	User Session
	Status
	Host
	User
	Execution Context
	Application
	Database
	Transaction Isolation Level
	Usage
	Login Time
	Last Activity
	Physical I/O
	CPU (ms)
	Memory (kb)
	Lock Information
	Wait Time (ms)
	Resource
	Blocking
	Blocking Count
	Tempdb Usage
	Version Store Elapsed Seconds
	Space Used in kb (Alloc / Dealloc)
	Session User Space
	Task User Space
	Session Internal Space
	Task Internal Space

Unavailable metrics for Amazon RDS and Microsoft SQL Azure in SQL Diagnostic Manager

SQL Diagnostic Manager allows you to view a wide range of information collected for your monitored SQL Server instances hosted on Amazon RDS and Microsoft SQL Azure. However, the following information and metric data are not available yet:

For monitored SQL Server instances hosted on Amazon RDS

SQL Diagnostic Manager area	Information and metric data not collected by Amazon RDS
Overview > Details	Available Memory
	Data File Space used
	Disk Queue Length
	Disk Time (Percent)
	OS CPU Privileged Activity
	OS CPU User Time
	OS Total Processor Activity
	Pages Per Second
	Physical Memory
	Procedure Cache Size
	Processor Queue Length
	Sql Memory Used Percent
	Used Memory(Percent)
Sessions > Details	Blocked by
	Execution Context
	Resource
	Wait type

For monitored SQL Server instances hosted on Microsoft SQL Azure

SQL Diagnostic Manager area	Information and metric data not collected by Microsoft SQL Azure
Overview > Details	Available Memory
	Batches
	Batches Per Second
	Blocked Sessions
	Buffer Cache Hit Ratio
	Buffer Cache Size
	Checkpoint Writes
	Checkpoint Writes Per Second
	Client Computers
	Connections
	Connections Per Second
	Data File Count
	Data File Space Allocated

Data File Space used
Database Count
Disk Queue Length
Disk Time (Percent)
Full Scans
Full Scans Per Second
Lazy Writer Writes
Lazy Writer Writes Per Second
Lead Blockers
Lock Waits
Lock Waits Per Second
Log File Count
Log File Space Allocated
Log File Space Used
Log Flushes
Log Flushes Per Second
Maintenance Mode
OLE Automation Status
Open Transactions
OS CPU Privileged Activity
OS CPU User Time
OS Metrics Availability
OS Total Processor Activity
Packet Errors
Packet Errors Per Second
Packets Received
Packets Received Per Second
Packets Sent
Packets Sent Per Second
Page Life Expectancy
Page Lookups Per Second
Page Lookups Per Second
Page Reads
Page Reads Per Second
Page Splits
Page Splits Per Second
Page Writes
Page Writes Per Second

	Pages Per Second
	Physical Memory
	Procedure Cache Hit ratio
	Procedure Cache Size
	Processor Queue Length
	Read Ahead Pages
	Read Ahead Pages Per Second
	Read Write Errors
	Response Time
	Running Since
	Server Version
	Sql Compilations
	Sql Compilations Per Second
	Sql CPU Activity
	Sql Memory Allocated
	Sql Memory Used
	Sql Memory Used Percent
	Sql Recompilations
	Sql Recompilations Per Second
	System Processes
	System processes Consuming CPU
	Used Memory(Percent)
	User Connections Percent
	User Processes
	User Processes Consuming CPU
	WMI Service Status
	Workfiles Created
	Workfiles Created Per Second
	Worktables Created
	Worktables Created Per Second
Sessions > Summary	Average Wait Time
	Deadlocks
	Requests
	Timeouts
	Waits
	Wait Time
Sessions > Details	Blocked by
	Net library

	Network Address
	Open Transactions
	Wait type

SQL Diagnostic Manager for SQL Server performance monitoring, alerting, and diagnostics for SQL Server.

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