# 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.



SQL DM supports monitoring of images hosted on virtualized or cloud laaS 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 Wrights
	Checkpoint Wrights 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 Per Second
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	
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	Host
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	User
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	Execution Context
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	Application
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	Database
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	Transaction Isolation Level
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	Usage
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	Login Time
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	Last Activity
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	Physical I/O
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	CPU (ms)
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	Memory (kb)
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	Lock Information
Blocking Blocking Count Tempdb Usage Version Store Elapsed Seconds Space Used in kb (Alloc / Dealloc) Session User Space Task User Space Session Internal Space	Wait Time (ms)
Blocking Count  Tempdb Usage  Version Store Elapsed Seconds  Space Used in kb (Alloc / Dealloc)  Session User Space  Task User Space  Session Internal Space	Resource
Tempdb Usage  Version Store Elapsed Seconds  Space Used in kb (Alloc / Dealloc)  Session User Space  Task User Space  Session Internal Space	Blocking
Version Store Elapsed Seconds  Space Used in kb (Alloc / Dealloc)  Session User Space  Task User Space  Session Internal Space	Blocking Count
Space Used in kb (Alloc / Dealloc)  Session User Space  Task User Space  Session Internal Space	Tempdb Usage
Session User Space  Task User Space  Session Internal Space	Version Store Elapsed Seconds
Task User Space Session Internal Space	Space Used in kb (Alloc / Dealloc)
Session Internal Space	Session User Space
·	Task User Space
Task Internal 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 identifies and resolves SQL Server performance problems before they happen. Learn more > >

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