

# SQL Diagnostic Manager requirements

There are three types of SQL Diagnostic Manager installation (Trial, General, and Production). Refer to the following list of requirements for each type of installation.



SQL Diagnostic Manager 10.5 requires Microsoft SQL Server 2005 or above running on the computer that hosts the SQL Diagnostic Manager Repository database for all installations.



Tempdb monitoring is supported on SQL Server 2005 and above servers only.



To run PowerShell scripts, upgrade to PowerShell 3.0 or higher. This upgrade is required to use the PowerShell snap-in.

## Trial requirements

Consider the following requirements when installing all SQL Diagnostic Manager components on one computer.

Type	Requirement
SQL Server Standard or Enterprise Edition	<ul style="list-style-type: none"> <li>• SQL Server 2005 SP1 or later</li> <li>• SQL Server 2008 or later</li> <li>• SQL Server 2008 R2</li> <li>• SQL Server 2012</li> <li>• SQL Server 2014</li> <li>• SQL Server 2016</li> <li>• SQL Server 2017</li> <li>• SQL Server 2019</li> </ul>
Hard Disk Space	200 MB for all SQL Diagnostic Manager components
Windows Permissions	Your Windows Logon account includes local Administrator permissions
SQL Server Privileges	Either a Windows user account or SQL Server login that includes System Administrator privileges on the monitored SQL Server instances

## General requirements

The following requirements apply for all SQL Diagnostic Manager components.

Type	Requirement
CPU	2.0 GHz or higher
Memory	1 GB
Operating System	<ul style="list-style-type: none"> <li>• Windows Server 2008 SP1+</li> <li>• Windows Server 2008 R2</li> <li>• Windows 7</li> <li>• Windows Server 2012</li> <li>• Windows 8</li> <li>• Windows Server 2012 R2</li> <li>• Windows 10</li> <li>• Windows Server 2016</li> <li>• Windows 2019</li> </ul>
Port Access	5166, 5167, 5169
Client Browser	Internet Explorer 7.0 or later

## Production requirements

Consider the following requirements when installing SQL Diagnostic Manager in an environment where the components are on separate computers.


### SQL Diagnostic Manager Console

Type	Requirement
Disk Space	40 MB
SQL Server Permissions	Your Windows login account includes Read Access to the SQL Diagnostic Manager Repository. You can specify a SQL Server login instead.
Monitor Resolution	1280 x 1024 with small text for the best viewing of the SQL Diagnostic Manager Dashboard

### SQL Diagnostic Manager Services

Type	Requirement
Disk Space	50 MB
Collection Service Permissions	Sysadmin rights and Local Admin rights on the monitored servers.  For more information regarding lowered permissions requirements, review the <a href="#">User Creation Scripts</a> .
Management Service Permissions	Sysadmin fixed server role and Local Admin rights on SQL Diagnostic Manager Repository instance.
Linux - SQL Server Server 2017 (Monitored SQL Instances only)	<ul style="list-style-type: none"> <li>Red hat Enterprise 7.3 or Higher</li> <li>SUSE Enterprise v12 SP2 or Higher</li> <li>Ubuntu 16.04LTS and 16.10 or Higher</li> </ul>
Windows Runtime Components	<ul style="list-style-type: none"> <li>Microsoft .NET 4.0 SP2 (Minimum)</li> <li>Microsoft .NET 4.6.2+ (Recommended)</li> <li>MDAC 2.8</li> </ul>

### SQL Diagnostic Manager Repository

-  SQL Diagnostic Manager 7.2 and later includes a repository autogrow setting at 32 MB, which is sufficient for trial and small environments in production. Environments with larger, multi-server installations should change the repository autogrow setting to 250 MB or higher to prevent frequent data file autogrow, which can cause performance problems. Using percentage-based autogrow is not recommended.

Type	Requirement
Disk Space	1GB to 3GB for one year of data per monitored SQL Server instance
SQL Server Express, Standard, or Enterprise Edition	<ul style="list-style-type: none"> <li>SQL Server 2005</li> <li>SQL Server 2008 or later</li> <li>SQL Server 2008 R2</li> <li>SQL Server 2012</li> <li>SQL Server 2014</li> <li>SQL Server 2016</li> <li>SQL Server 2017 (Windows &amp; Linux)</li> <li>SQL Server 2019</li> </ul>

Cloud Deployment	<ul style="list-style-type: none"> <li>• Azure IaaS VM Linux (SQL Server 2017)</li> <li>• Amazon AWS IaaS VM Windows</li> <li>• Amazon AWS IaaS Linux (SQL Server 2017)</li> </ul>
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## Monitored SQL Server Instances

Type	Requirement
SQL Server Express, Standard, or Enterprise Edition	<ul style="list-style-type: none"> <li>• SQL Server 2000 SP4 or later</li> <li>• SQL Server 2005 SP1 or later</li> <li>• SQL Server 2008 SP1</li> <li>• SQL Server 2008 R2</li> <li>• SQL Server 2012</li> <li>• SQL Server 2014</li> <li>• SQL Server 2016</li> <li>• SQL Server 2019</li> <li>• SQL Server 2017 (Windows &amp; Linux)</li> <li>• SQL Server Express 2008</li> <li>• SQL Server Express 2008 R2</li> <li>• SQL Server Express 2012</li> <li>• SQL Server Express 2014</li> <li>• SQL Server Express 2016</li> <li>• SQL Server Express 2017</li> <li>• SQL Server Express 2019</li> <li>• SQL Azure</li> <li>• Amazon RDS</li> </ul>
Cloud Deployment	<p>Azure DB: Single, Elastic Pool, Managed Instance.</p> <p>Amazon RDS SQL: SQL Server 2008, SQL Server 2008 R2, SQL Server 2012, SQL Server 2016, SQL Server 2017</p> <p>Azure IaaS VM Windows (All SQL Versions)</p> <p>Azure IaaS VM Linux (All SQL Versions)</p> <p>Amazon AWS IaaS VM Linux (SQL Server 2017)</p>



# AWS

Review the [Minimum permissions to monitor an Amazon RDS instance](#) with SQL Diagnostic Manager.

This topic provides the minimum requirements for installing SQL Diagnostic Manager. For more information about installation requirements, view [SQL Diagnostic Manager Hardware Sizing guidelines](#).

## SQL Diagnostic Manager Management Pack and SCOM support requirements

The IDERA SQL Diagnostic Manager Management Pack for integration with SCOM is designed for System Center Operations Manager 2007 R2 and above. For more information about SQL Diagnostic Manager MP and SCOM installation, see [Install and configure the SQL Diagnostic Manager Management Pack for SCOM](#).

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

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