

# SQLdm requirements

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



SQLdm 9.0 requires Microsoft SQL Server 2005 or above running on the computer that hosts the SQLdm Repository database for all installations.



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

## Sample installations in large environments

While this topic provides the minimum requirements for installing SQLdm, users with large environments can benefit from the sample customer installations listed below.

### Installs 51-100 servers

Type	In-House Use
Number of monitored servers	52
Services and Repository installed on same machine	Hyper-V <ul style="list-style-type: none"> <li>• 4 quad core processors</li> <li>• 14 GB of memory</li> <li>• Windows 2008 R2 Enterprise</li> </ul>
Data storage and grooming options	<ul style="list-style-type: none"> <li>• Repository size: 120 GB</li> <li>• Retain 60 days of history</li> </ul>
Monitoring features	Monitor Windows and SQL Server performance and error log monitoring

Type	In-House Use
Number of monitored servers	90
Services machine	<ul style="list-style-type: none"> <li>• 2 vCPU</li> <li>• 8 GB of memory</li> <li>• Windows 2008 R2 Enterprise</li> </ul>
Services machine	<ul style="list-style-type: none"> <li>• 2 vCPU</li> <li>• 8 GB of memory</li> <li>• Windows 2008 R2 Enterprise</li> <li>• Repository: SQL Server 2008 R2</li> </ul>
Data storage and grooming options	<ul style="list-style-type: none"> <li>• Repository size: 100 GB</li> <li>• Retain 60 days of history</li> </ul>
Monitoring features	Monitor Windows and SQL Server performance

### Installs 201-300 servers

Type	In-House Use
Number of monitored servers	234

Services and Repository installed on same machine	<ul style="list-style-type: none"> <li>• Dell 2950</li> <li>• 2 quad core processors</li> <li>• 16 GB of memory</li> <li>• Windows 2003</li> </ul>
Data storage and grooming options	<ul style="list-style-type: none"> <li>• Repository size: 140 GB</li> <li>• Retain 30 days of history</li> </ul>
Monitoring features	Monitor Windows and SQL Server performance and use Query Waits for specific periods of diagnostics
Integrations	Send alerts to HP Open View via a command line program (opcmsg)

Type	In-House Use
Number of monitored servers	274
Services and Repository installed on same machine	<ul style="list-style-type: none"> <li>• 4 quad core processors</li> <li>• 128 GB of memory</li> <li>• Windows 2008 R2</li> </ul>
Data storage and grooming options	<ul style="list-style-type: none"> <li>• Repository size: 1.5 TB</li> <li>• Retain 365 days of history</li> </ul>
Monitoring features	Monitor Windows and SQL Server performance

### Trial requirements

Consider the following requirements when installing all SQLdm 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> </ul>
Hard Disk Space	200 MB for all SQLdm 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 SQLdm components.

Type	Requirement
CPU	2.0 GHz or higher
Memory	1 GB

32-bit Operating System	<ul style="list-style-type: none"> <li>• Windows XP SP2 or later</li> <li>• Windows Server 2003 SP2 or later</li> <li>• Windows Vista SP2 or later</li> <li>• Windows Server 2008 SP2</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 8.1</li> </ul>
64-bit Operating System	<ul style="list-style-type: none"> <li>• Windows XP SP2 or later</li> <li>• Windows Server 2003 SP2 or later</li> <li>• Windows Vista SP2 or later</li> <li>• Windows Server 2008 SP2</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 8.1</li> </ul>
Port Access	5166, 5167
Client Browser	Internet Explorer 7.0 or later

### Production requirements

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

#### SQLdm Console

Type	Requirement
Disk Space	40 MB
SQL Server Permissions	Your Windows logon account includes Read Access to the SQLdm Repository. You can specify a SQL Server login instead.
Software Framework	Microsoft .NET 4.0 Full
Monitor Resolution	1280 x 1024 with small text for the best viewing of the SQLdm Dashboard

#### SQLdm Services

Type	Requirement
Disk Space	50 MB
Collection Service Permissions	System Administrator privileges on the monitored SQL Server instances
Management Service Permissions	Read and Write privileges on the SQLdm Repository database

#### SQLdm Repository



SQLdm 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 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> </ul>

### Monitored SQL Server Instances

Type	Requirement
SQL Server 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 or later</li><li>• SQL Server 2008 R2</li><li>• SQL Server 2012</li><li>• SQL Server 2014</li></ul>

### SQLdm Management Pack and SCOM support requirements

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

SQL [Diagnostic Manager](#) identifies and resolves SQL Server performance problems before they happen. [Learn more >>](#)

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