



Microsoft SQL Server Configuration Guide

How to configure Microsoft SQL Server for use with Helm

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Microsoft SQL Server Configuration

Helm can work alongside Microsoft SQL Server in two ways. Firstly, you can use Helm to offer SQL Server databases to your customers (SQL Server version 7, 2000 and 2005). Secondly, it can be used to store the Helm database, instead of using MSDE (the free cut-down version of SQL Server that comes with Helm). This is useful because SQL Server has backup tools you can use to backup and restore the Helm database at regular intervals.

Setting up a SQL Server Service in Helm

Once you have installed SQL Server, you need to set Helm up to be able to interface with it and add databases. SQL Server can be configured for use on any of the Helm remote servers as well as the control server.

After installing SQL Server, go into Helm and go to:

Home > System Settings > Servers > [Your Server] > Services

Create a new service, give it a friendly name (e.g. SQL Server Service) and select the version of SQL Server that you're running from the dropdown. Note – there are three possible versions of SQL Server that are supported – version 7, version 2000 and version 2005:



Add Service

Use the following form to describe a new service that the server supports. More details about how to set up a service can be found in the QuickHelp section at the bottom of the page. This will guide you as you go along.

Server: helmsvr10

Friendly Name:

Service Type: DB: Microsoft SQL Server 2000

- DB: Microsoft Access
- DB: Microsoft SQL Server 2000
- DB: Microsoft SQL Server 2005
- DB: Microsoft SQL Server 7
- DB: MySQL
- DNS: Microsoft DNS Server
- DNS: Simple DNS Plus
- FTP: Gene6 FTP Server
- FTP: Microsoft FTP
- FTP: Rhinosoft Serv-U
- MAIL: hMailServer Mail
- MAIL: Ipswitch Iml
- MAIL: MailEnable
- MAIL: MDAemon Mail
- MAIL: Merak Mail
- MAIL: SmarterMail
- STATS: AWStats
- STATS: DeepMetric Livestats 5
- STATS: DeepMetric Livestats 6
- STATS: DeepMetric LiveStats XSP
- STATS: SmarterStats
- WEB: Microsoft IIS 5.0
- WEB: Microsoft IIS 6.0

Since all three settings pages are the same, for this example we will be using SQL Server 2000. If you are using a different version, choose the appropriate one from the dropdown.

Once chosen you will then be presented with a screen similar to this:

Add Service

Use the following form to describe a new service that the server supports. More details about how to set up a service can be found in the QuickHelp section at the bottom of the page. This will guide you as you go along.

Server: DEVSVR1

Friendly Name: SQL Server Service

Service Type: DB: Microsoft SQL Server 2000

Admin Username:

Admin Password:

Server IP Address: ▼

Server Port:

Server Instance Name:

Database Collation:

Maximum DB Size (MB):

Maximum Databases:

Admin Username/Password:- Enter the **SA** password for SQL Server – if you do not know the SA password, you will need to reset it; the SQL Server documentation will give guidance on how to do this.

Server IP address:- Choose an IP from the dropdown box on which you want the SQL Server service to communicate.

Server Port:- Leave the port number as default unless you have deliberately altered your SQL Server build to run on a different port number.

Server Instance Name:- If you're running an instance in SQL Server and want to add databases to that, then add the instance name here. For example, if the SQL Server instance you want to use is MYSERVER/SQLINSTANCE then type SQLINSTANCE in this field. If you leave this field blank, your databases will be created at the (local) default instance.

Database Collation:- SQL Server allows you to choose the type of charset that you wish to set up a database with. For instance, you may wish to set up databases using a collation specific to your country's language. An example of a collation type is **SQL_Latin1_General_CP1_CI_AS**. If you know the collation type you want to use, enter it here.

Maximum DB Size (MB):– Here you can choose the maximum size of each database that is created. Use 0 if you want to allow unlimited database size.

Maximum Databases:– Here you can also choose the amount of databases that this service can support.

Once you have selected your options, click “Next” to save the service. If you then go back into the service, you will see another field at the bottom:

Edit Service

Use the form below to edit the details for a service. Some details can not be updated, others can not be updated if the service has been assigned to a plan or package.

Server Name:	DEVSVR1
Friendly Name:	<input type="text" value="SQL Server Service"/>
Service Type:	Microsoft SQL Server 2000
Admin Username:	<input type="text" value="sa"/>
Admin Password:	<input type="password" value="••••••••"/>
Server IP Address:	<input type="text" value="192.168.1.3 - (192.168.1.3)"/> ▼
Server Port:	<input type="text" value="1433"/>
Server Instance Name:	<input type="text"/>
Database Collation:	<input type="text"/>
Default User Role:	<input type="text" value="Database Owner"/> ▼
Maximum DB Size (MB):	<input type="text" value="99999999"/>
Maximum Databases:	<input type="text" value="99999999"/>
Connection Info:	<input type="text"/>
<input type="button" value="Back"/> <input type="button" value="Delete"/> <input type="button" value="Save"/>	

Connection Info:– Here you can enter the server name that SQL Server is residing on, so that your customers can connect to their databases via code, Enterprise Manager, or any other tool they may want to use. Example – **mssql1.sqlserver.net**

Once you've filled in this field, click “Save” to complete the service configuration.

Setting up a SQL Server Resource in Helm

You now need to set up a Database Resource for SQL Server, so go to:

Home > System Settings > Resource Setup

Choose "Add New", and you will be taken to the following screen:



Add Resource

Use the form below to create a new resource on the system. Once created you will be able to add service groups to the resource.

Resource Name:	<input type="text" value="Default DB resource"/>
Resource Type:	<input type="text" value="Database"/>
Distribution Type:	<input type="text" value="Balanced"/>
	<input checked="" type="checkbox"/> Priority distribution to web server (recommended)
<input type="button" value="Back"/>	<input type="button" value="Save"/>

As per the screenshot, enter a relevant resource name and choose a type of "Database". Then click "Save".

On the new screen it will say that "There are no services in this resource", so click "Add New" to add the SQL Server service you created earlier. You can then pick the SQL Server service from the dropdown box as shown below:



Add Service Group

Use the form below to add a new service group to the selected resource. Updating the resource will affect any NEW domains that are set up using this resource. Previous domains will remain unaffected.

Default DB resource	
Resource Type:	<input type="text" value="Database"/>
Service Group:	<input type="text" value="SQL Server Service on DEVSVR1"/>
<input type="button" value="Back"/>	<input type="button" value="Save"/>

Click "Save" to complete the Resource setup.

All you need to do now is to update your Plans and Packages to use this new Database Resource where appropriate.

Note:- If you want to allow your customers to have the option to have both MySQL and SQL Server databases, simply add the MySQL service to the resource as above, then add the SQL Server service to this same resource as shown:



Resource Details

Use the form below to update the selected resource. Updating the resource will affect any NEW domains that are set up using this resource. Previous domains will remain unaffected.

Default DB resource

Resource Name:

Resource Type: Database

Distribution Type: ▼

Priority distribution to web server (recommended)

Service Name

SQL Server Service on DEVSVR1

MySQL Service on helmsvr72

SQL Server configuration with Helm is now complete.

[Using SQL Server to Store the Helm Database](#)

As part of the Helm installation process, you can use SQL Server as the tool to store the Helm database in. There are obvious benefits of using SQL Server over MSDE – the backup and restore facility being one. If you ever need a Helm support technician to take a look at a Helm error, it is also beneficial if you have the database in SQL Server as in a lot of cases they can use Enterprise Manager (part of SQL Server) to troubleshoot the issue.

SQL Server can be set up to be used to store the database as part of the install process. Please refer to pages 4-6 of the Quick Installation Guide found here:

<http://download.webhostautomation.net/Helm/docs/QuickInstallGuide.pdf>