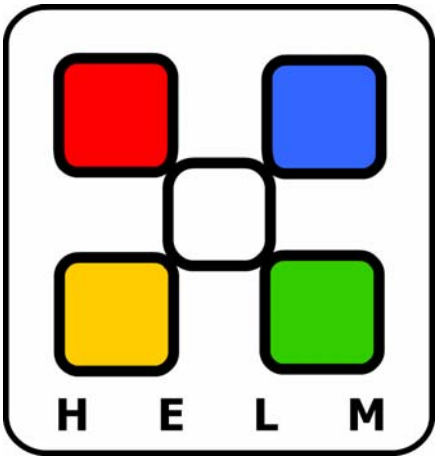

MySQL Installation and Configuration Guide

How to install MySQL on your server and configure it for use with Helm

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http://www.webhostautomation.com/
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MySQL Installation

If you wish to offer your customers the ability to add databases to their websites through Helm, one option is to use MySQL. This is a free database server, available from MySQL's website here:

http://dev.mysql.com/get/Downloads/MySQL-4.1/mysql-4.1.9-win32.zip/from/pick#mirrors

Installing MySQL

Note:- These are guidelines only. We will not provide support for MySQL or any other 3rd party applications directly.

MySQL Version Note:- Whilst Helm supports earlier versions of MySQL such as 4.0.x it is recommended that you use the latest version of MySQL, as security vulnerabilities are often fixed in newer versions. The following install instructions are valid as of 4.1.9:

Helm Version Note:- If you want to use MySQL 4.1, you will need to be using **Helm version 3.2.2 or later**. Earlier versions of Helm will not work with MySQL 4.1 or above, you can only use MySQL 4.0 with these.

1.) Download the version of MySQL you require from the below link:

http://dev.mysql.com/downloads

2.) Install MySQL (choose the "Complete" option unless you want to specify a different install folder, in which case choose "Custom"), and click "Next" to install.

3.) Once complete, choose Standard Configuration, then click Next and accept all default settings. On the following screen, choose a **root password.** This is the password you will use to login to MySQL with, via such tools as MySQLFront:

4.) At the last screen press "Execute". Once complete, click "Finish" to end the install process.

Installing MySQL ODBC Drivers

Now that you have MySQL installed, you need to install the relevant ODBC drivers for your build. Depending on your version of MySQL, you need different drivers:

- If you are running **MySQL 4.0 or earlier** you will need **MySQL ODBC 2.5 drivers**
- If you are running **MySQL 4.1 or later** you will need **MySQL ODBC 3.51 drivers**

2.5 drivers can be downloaded from here:

http://download.webhostautomation.net/MySQL/myodbc-2.50.39-nt.zip

3.51 drivers can be downloaded from here:

http://download.webhostautomation.net/MySQL/MyODBC-3.51.10-x86-win-32bit.exe

Once you have the relevant drivers downloaded, double-click them to install them.

Once installed, login to MySQL Front, and check the account on the left menu - it will probably say "root@localhost"

In the left menu, click user.

Click the Data tab. This will bring up a list of DB rows. Delete all rows **except** for the one that has the host as "%" and the user as "root". If there is no row that has the user called "root", and the host called "%", then you need to create it. This is necessary to allow connections from machines other than the local machine.

You are now ready to configure Helm to work with MySQL.

MySQL Configuration

Now that MySQL is installed, you need to configure it to work with Helm. It might also be useful to you to get a tool to manage your MySQL databases – there are many available, one of which is MySQLFront – available for download here:

http://www.mysqlfront.de/download.html

This has the latest version that works with MySQL 4.1 onwards. If you are using MySQL 4.0, you will need an older version of MySQLFront – one of which you can obtain from our download site here:

http://download.webhostautomation.net/MySQL/MySQL-Front_2.5_Setup.exe

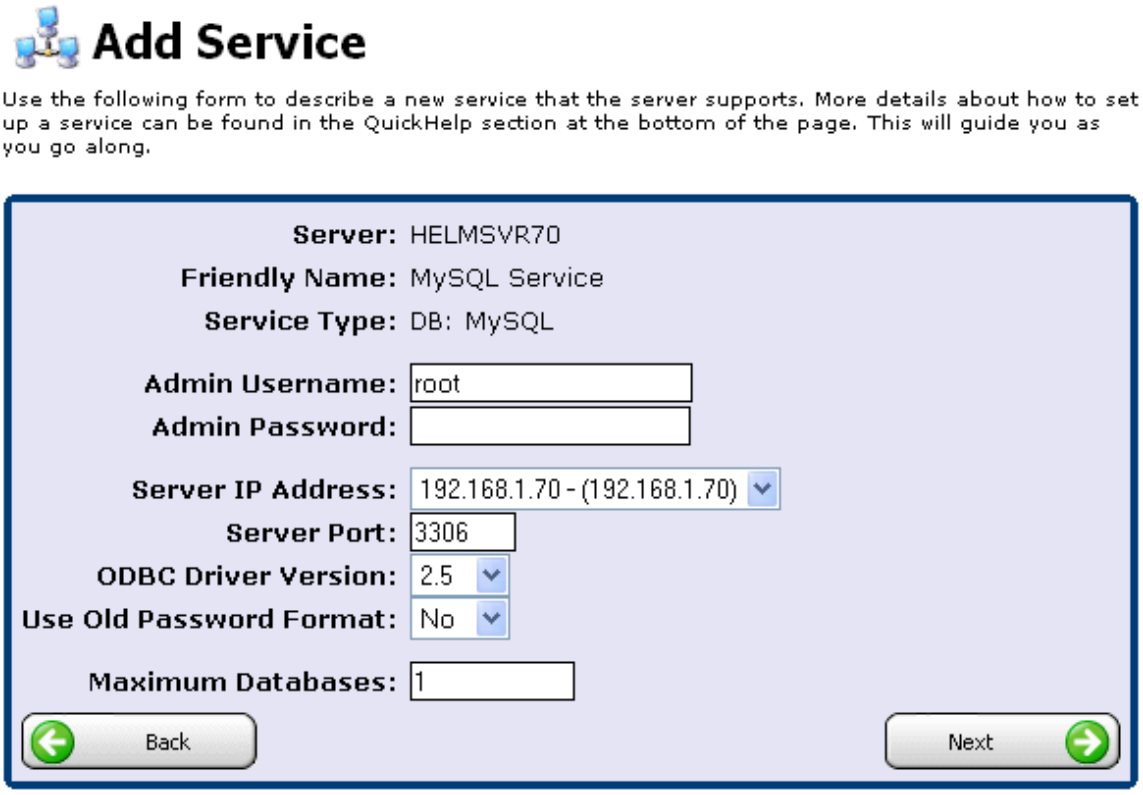
Setting up a MySQL Service in Helm

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

After installing MySQL, log into Helm and go to:

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

Create a new service, give it a friendly name (e.g. MySQL Service) and select “DB: MySQL” from the dropdown box. You will then be presented with the following screen:



Admin Username:- Enter **root** here, as Helm needs to access MySQL using root permissions.

Admin Password:- Enter the root password for MySQL – if you do not know the root password, you will need to reset it. Details on how to do this can be found on MySQL's website:

http://dev.mysql.com/doc/refman/5.0/en/resetting-permissions.html

Server IP Address:- Here, you can choose an IP from the dropdown box on which you wish the MySQL service to communicate.

Server Port:- Unless you have deliberately altered your MySQL build to run on a different port number, leave this as default (3306).

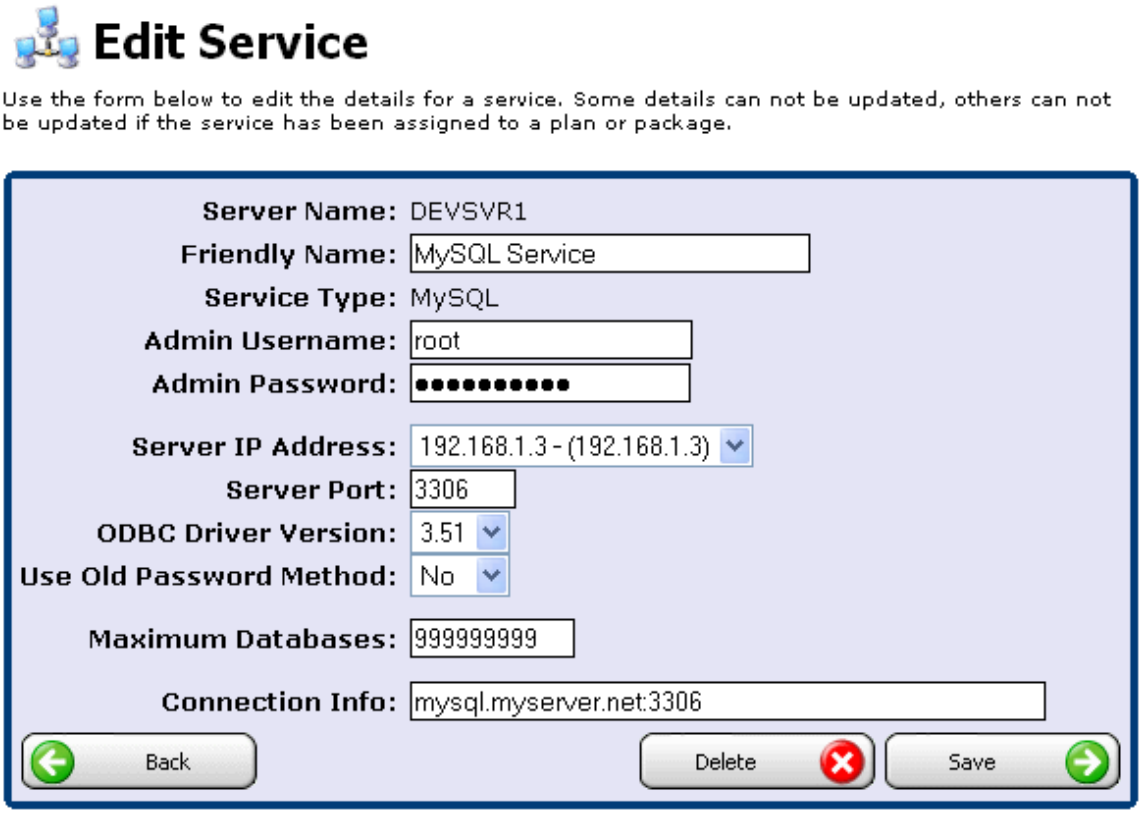
ODBC Driver Version:- The driver version gives you two choices, 2.5 and 3.51.

- If you are running **MySQL 4.0**, choose **2.5**
- If you are running **MySQL 4.1**, choose **3.51**

Use Old Password Format:- Set this to Yes if you are moving from an old version of MySQL to a later version and want to keep the same password format to prevent possible user password issues between versions.

Maximum Databases:- The maximum number of databases that you want this service to allow.

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:



In the **Connection Info** field, you can enter the server name and port number that MySQL is residing on, so that your customers can connect to their databases via code, or PHPMyAdmin, or any other tool they may want to use. Example – **mysql1.mysqlserver.net:3306**

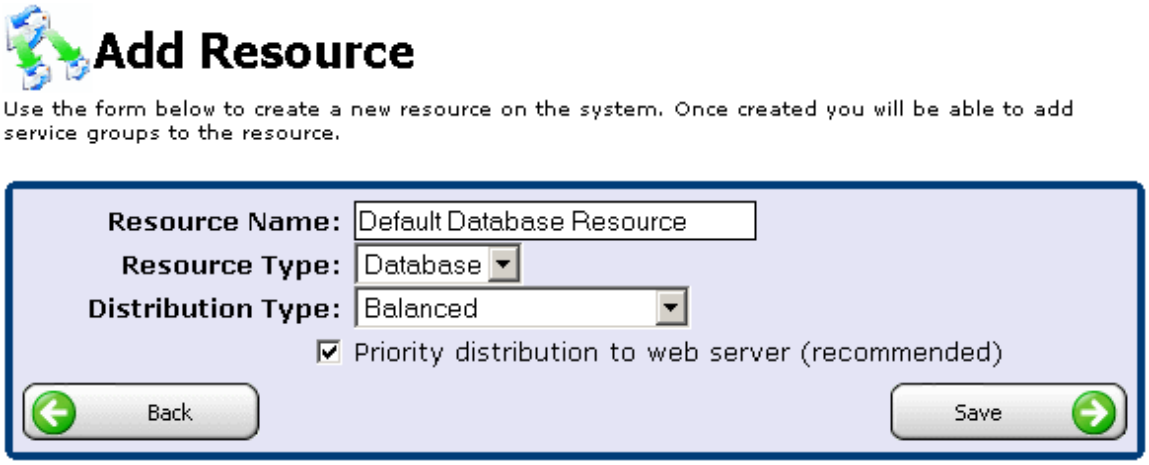
Once you've filled in this field, click Save to complete the service configuration.

Setting up a MySQL Resource in Helm

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

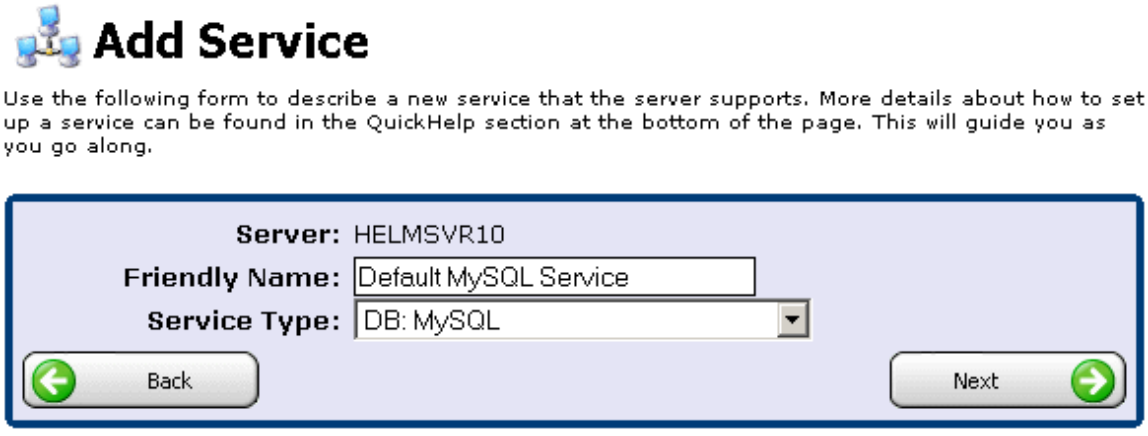
Home > System Settings > Resource Setup

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



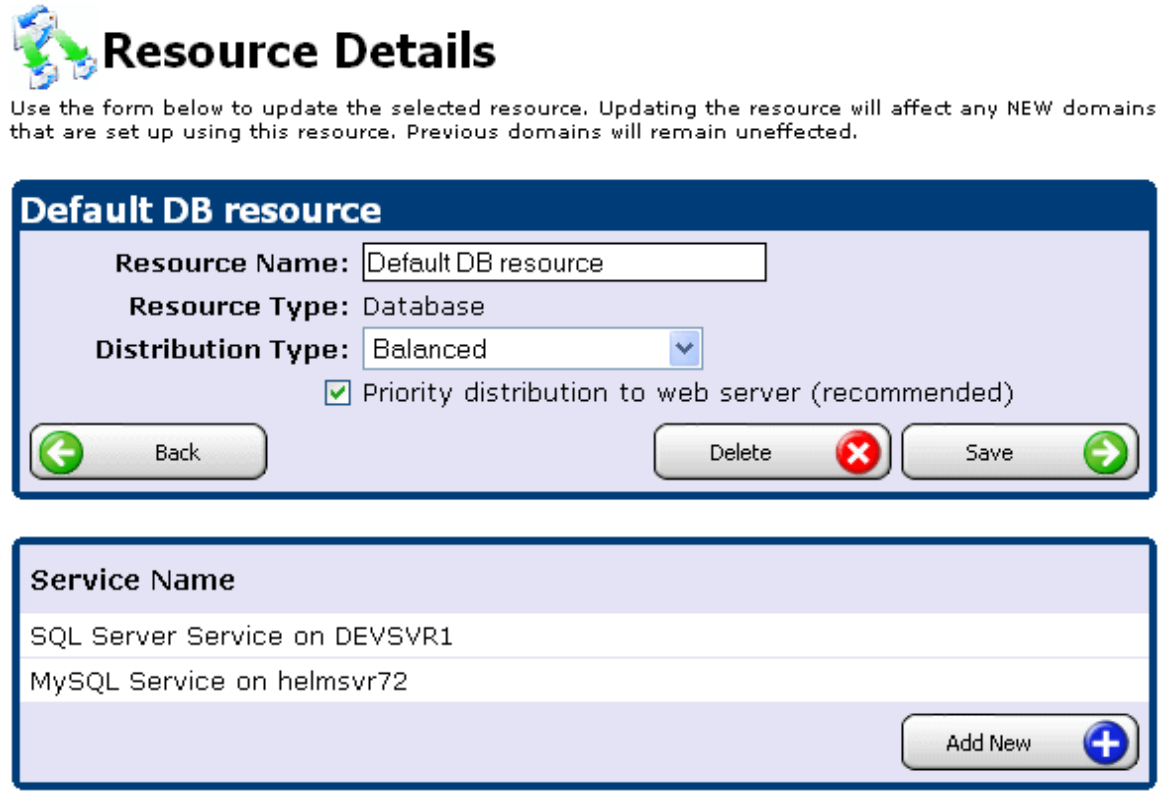
As per the screenshot, enter a relevant resource name and choose a type of “Database”. Then click “Save”.

On the new screen it will say that “There are no services in this resource”, so click “Add New” to add the MySQL service you created earlier. By default it will pick up the MySQL service in the dropdown box as shown below:



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:



MySQL configuration with Helm is now complete.