



Chili!Soft ASP + MySQL How-To for the RaQ3 & RaQ4

This is a step-by-step document on how to create a MySQL DSN for use in a ASP page. Each step will be accompanied by a screenshot to illustrate the procedure. There are separate sections for the RaQ3 and RaQ4 in each step of the procedure. Instructions for either the RaQ3 or RaQ4 will begin in **BOLD GREEN** text.

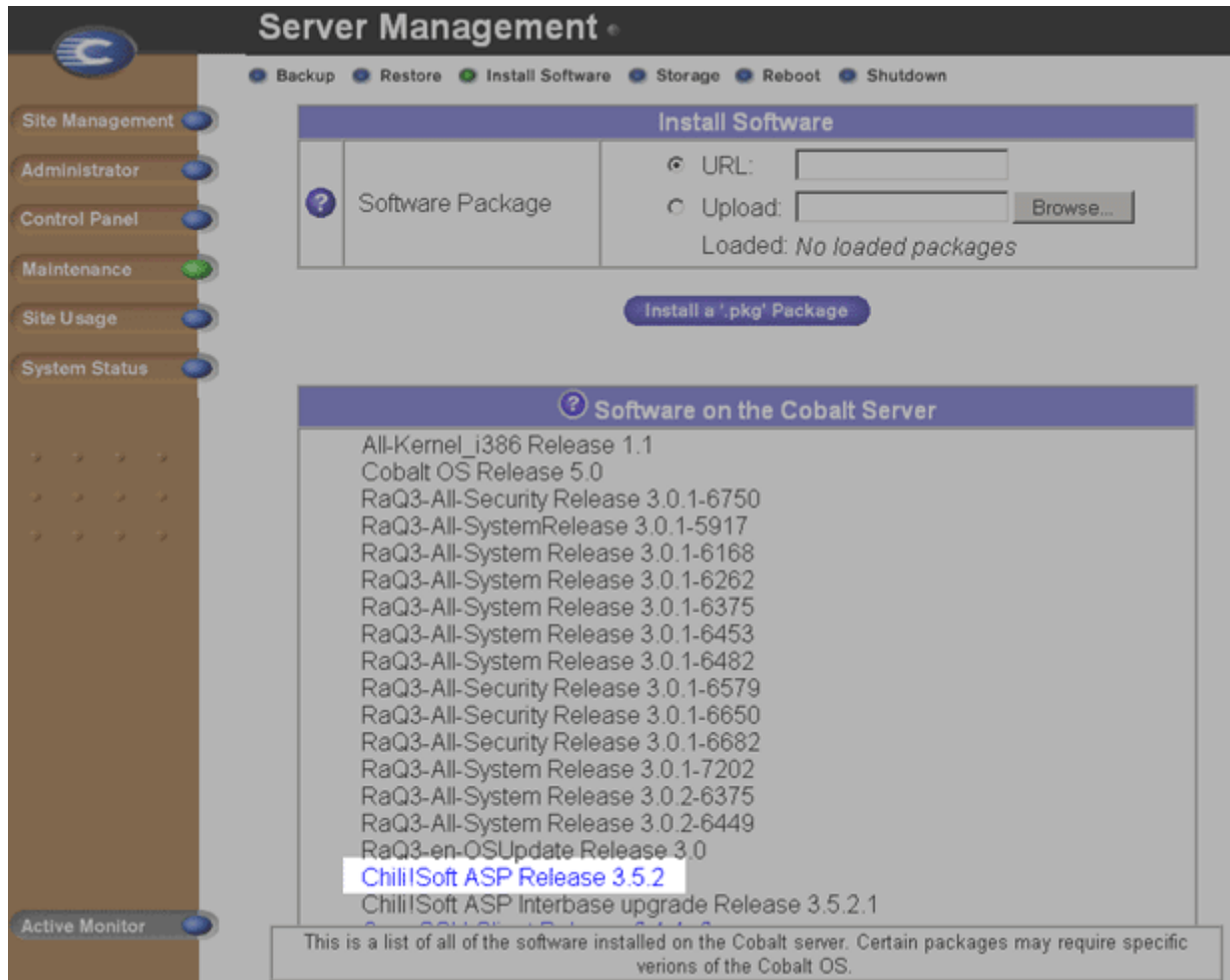
A **MySQL package for the Cobalt Server Appliance** is downloadable from <http://PkgMaster.com>. This package assumes no prior installation of MySQL and will install the necessary RPM files. It will also install Perl DBI and the DBI MySQL module. If you have made an attempt to install MySQL by other means, remove all traces of it before installing this package. This will not upgrade a prior installation of MySQL unless explicitly specified.

This HOW-TO has been tested and verified to work with MySQL packages obtained here.

The MySQL Driver that comes with Chili!ASP has a size limit of 8Kb for the SQL statements passed to it. The latest patches have increased this limit. Contact Chilisoft Technical Support at tech@chilisoft.com if you have any issues.

Step 1

For a RaQ3, log into the **Web Interface** and view the **Install Software** menu. Click on the **Chilisoft ASP link** listed under **Software on the Cobalt Server**.



The screenshot displays the 'Server Management' web interface. The top navigation bar includes 'Backup', 'Restore', 'Install Software', 'Storage', 'Reboot', and 'Shutdown'. The left sidebar contains 'Site Management', 'Administrator', 'Control Panel', 'Maintenance', 'Site Usage', and 'System Status'. The main content area is divided into two sections:

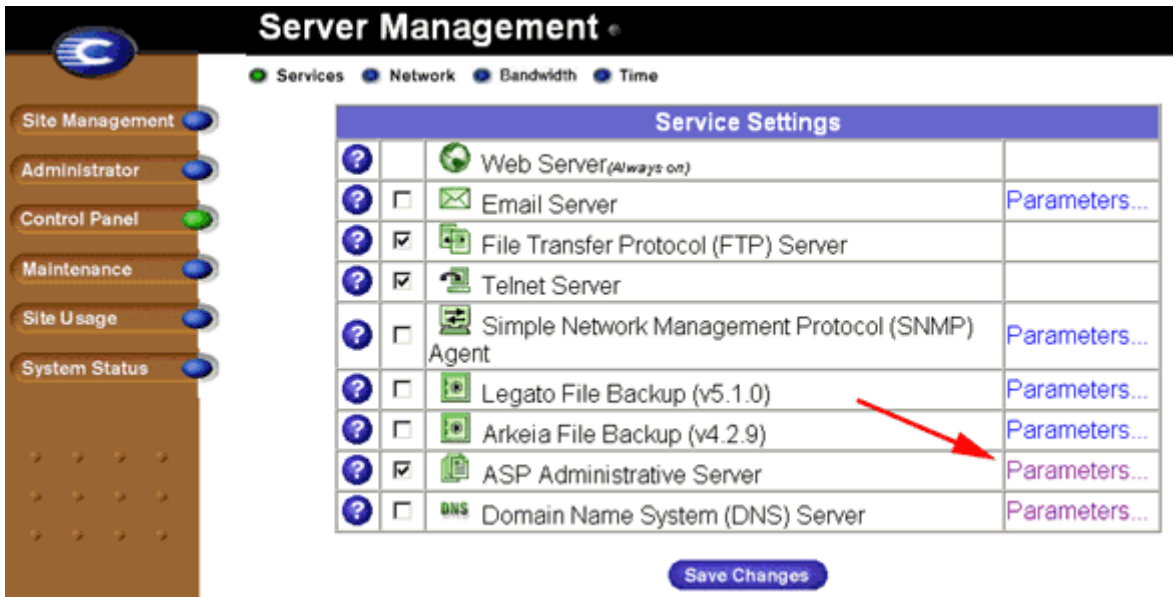
- Install Software:** Features a 'Software Package' section with a question mark icon. It includes radio buttons for 'URL:' and 'Upload:', with corresponding input fields and a 'Browse...' button. Below this, it shows 'Loaded: No loaded packages' and a button labeled 'Install a '.pkg' Package'.
- Software on the Cobalt Server:** A list of installed software packages, including:
 - All-Kernel_i386 Release 1.1
 - Cobalt OS Release 5.0
 - RaQ3-All-Security Release 3.0.1-6750
 - RaQ3-All-SystemRelease 3.0.1-5917
 - RaQ3-All-System Release 3.0.1-6168
 - RaQ3-All-System Release 3.0.1-6262
 - RaQ3-All-System Release 3.0.1-6375
 - RaQ3-All-System Release 3.0.1-6453
 - RaQ3-All-System Release 3.0.1-6482
 - RaQ3-All-Security Release 3.0.1-6579
 - RaQ3-All-Security Release 3.0.1-6650
 - RaQ3-All-Security Release 3.0.1-6682
 - RaQ3-All-System Release 3.0.1-7202
 - RaQ3-All-System Release 3.0.2-6375
 - RaQ3-All-System Release 3.0.2-6449
 - RaQ3-en-OSUpdate Release 3.0
 - Chilisoft ASP Release 3.5.2** (highlighted)
 - Chilisoft ASP Interbase upgrade Release 3.5.2.1

At the bottom, a note states: 'This is a list of all of the software installed on the Cobalt server. Certain packages may require specific verions of the Cobalt OS.'

For the RaQ4, log into the Web Interface and view the Services menu under Control Panel. Click on Parameters of the ASP Administrative Server.

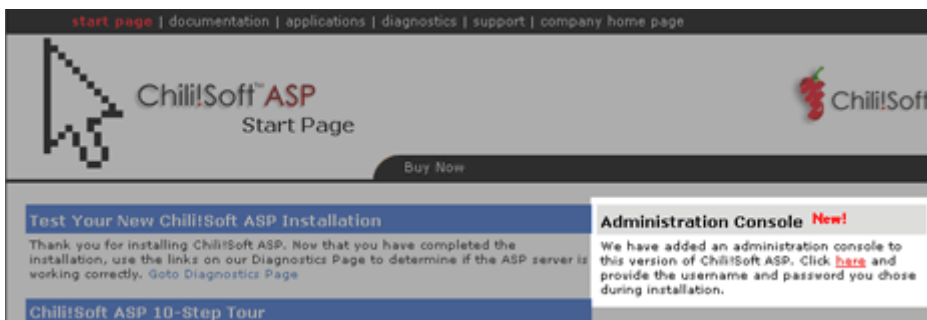
IMPORTANT NOTE

If the Parameters option is not available, you need to enable the checkbox (and don't forget to Save Changes) to start the ASP Administrative Server first.



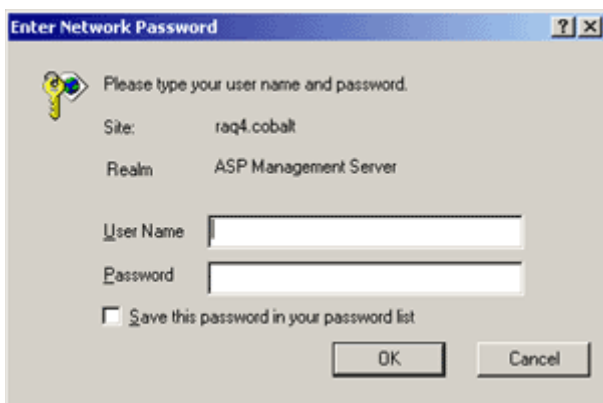
Step 2

For a RaQ3, click on the link to the ASP Administration Console, as shown below.



You will then be prompted to log in (see screenshot below) - the default login name is admin - the default password is root

For the RaQ4, you will be prompted to log in. The login user name is admin - the password is the same as your Cobalt admin password.



Step 3

For a RaQ3, click on the **Manage a server** link.

ASP Server Administration Console



-
- manage a server** Choose this option to add and remove asp servers or change the configuration of the asp servers already installed.
 - monitor a server** This option allows you to monitor running asp servers.
 - customer support** Choose this option to get help from a ChiliSoft engineer.
 - server licensing** Obtain or apply a license to an asp server.
 - documentation** View documentation on managing and using the asp server.

Next, click on the **properties** link.

manage a server

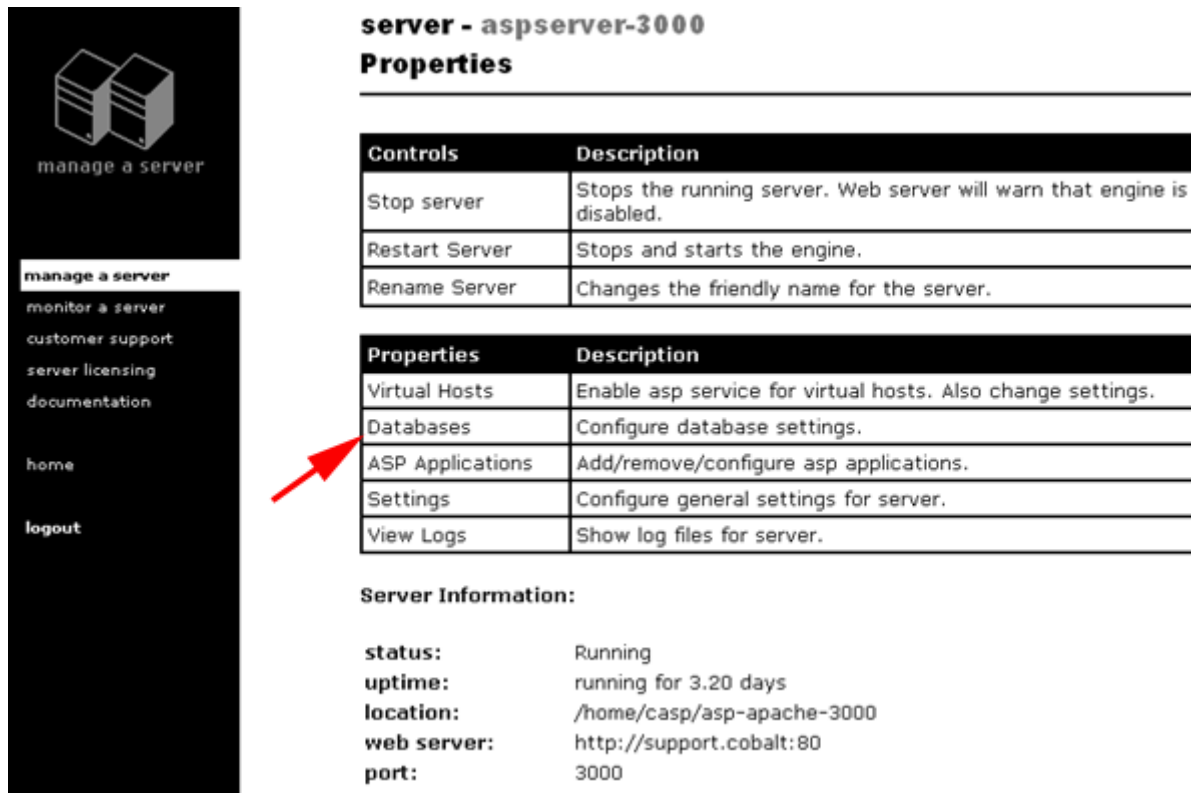
server: aspserver-3000	properties	remove
status: Running	stop	
location: /home/casp/asp-apache-3000		
web server: http://support.cobalt:80	Running	

Add a new server

add a new server Install a new server.

Step 4

For a RaQ3, click on the **Databases** link.



server - aspserver-3000
Properties

Controls	Description
Stop server	Stops the running server. Web server will warn that engine is disabled.
Restart Server	Stops and starts the engine.
Rename Server	Changes the friendly name for the server.

Properties	Description
Virtual Hosts	Enable asp service for virtual hosts. Also change settings.
Databases	Configure database settings.
ASP Applications	Add/remove/configure asp applications.
Settings	Configure general settings for server.
View Logs	Show log files for server.

Server Information:

status: Running
uptime: running for 3.20 days
location: /home/casp/asp-apache-3000
web server: http://support.cobalt:80
port: 3000

For a RaQ4, click on the **Databases** link.

ASP Server Administration

server - default Properties

Controls	Description
Stop server	Stops the running server. Web server will warn that engine is disabled.
Restart Server	Stops and starts the engine.

Properties	Description
Databases	Configure database settings.
ASP Applications	Add/remove/configure asp applications.
Settings	Configure general settings for server.
View Logs	Show log files for server.

Server Information:

status: Running
uptime: running for 9.91 days
location: /home/chiliasp/asp-apache-3000
web server: http://raq4.cobalt:80
port: 3000

Step 5

For a RaQ3, click on **Add New DSN**.

For a RaQ4, click on **Add New DSN**.

server - default Databases

Data Source Names Drivers ADO Settings Environment

Data Source Names

Name	Driver			
cobalt	MySQL 3.22.32-1	remove	edit	test

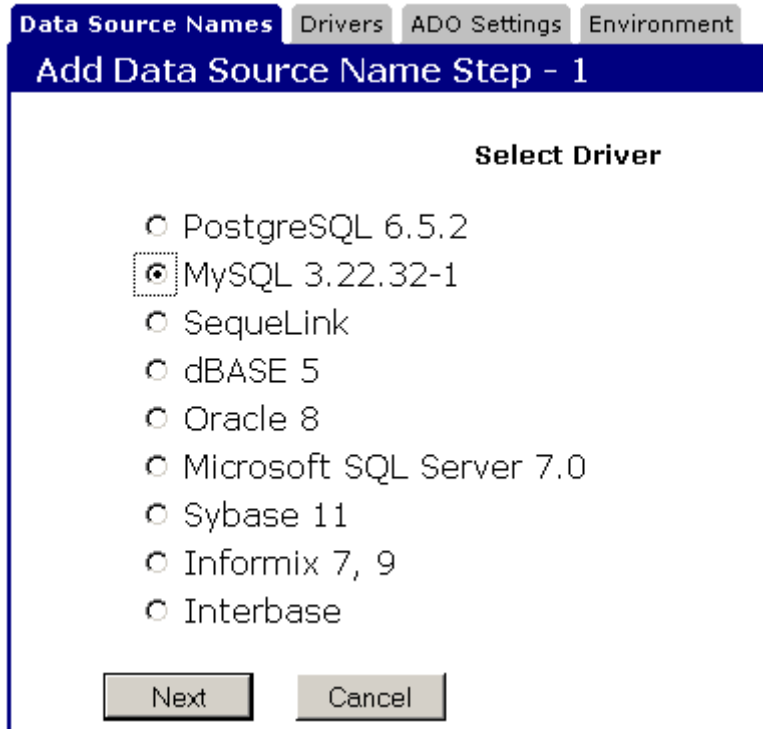
Add new DSN ←

back to ASP properties

Step 6

For a RaQ3, select **MySQL** and click **Next**.

For a RaQ4, select **MySQL** and click **Next**.

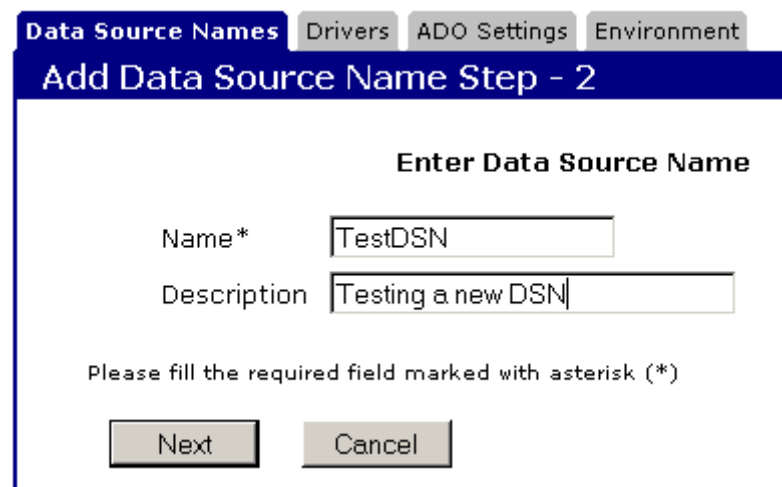


The screenshot shows a dialog box titled "Add Data Source Name Step - 1". At the top, there are four tabs: "Data Source Names" (selected), "Drivers", "ADO Settings", and "Environment". Below the tabs, the title "Add Data Source Name Step - 1" is displayed in a dark blue bar. The main area is titled "Select Driver" and contains a list of radio buttons with the following options: PostgreSQL 6.5.2, MySQL 3.22.32-1 (which is selected), SequeLink, dBASE 5, Oracle 8, Microsoft SQL Server 7.0, Sybase 11, Informix 7, 9, and Interbase. At the bottom, there are two buttons: "Next" and "Cancel".

Step 7

For a RaQ3, enter a DSN name and description and click **Next**.

For a RaQ4, enter a DSN name and description and click **Next**.



The screenshot shows a dialog box titled "Add Data Source Name Step - 2". At the top, there are four tabs: "Data Source Names" (selected), "Drivers", "ADO Settings", and "Environment". Below the tabs, the title "Add Data Source Name Step - 2" is displayed in a dark blue bar. The main area is titled "Enter Data Source Name" and contains two text input fields. The first field is labeled "Name*" and contains the text "TestDSN". The second field is labeled "Description" and contains the text "Testing a new DSN". Below the fields, there is a note: "Please fill the required field marked with asterisk (*)". At the bottom, there are two buttons: "Next" and "Cancel".

For a RaQ3, enter the details of the DSN and click **Next**.

For a RaQ4, enter details of the DSN and click **Next**.

IMPORTANT NOTE

Server - the IP address of the server running MySQL (or localhost if it's the same machine)

Port - defaults to 3306 if not filled, which is the normal port that MySQL runs on.

Database - the name of the MySQL Database that you wish to access, assuming it's been created.

User - the MySQL username that is able to access the defined Database.

Password - the password for the defined User.

For more information, see <http://www.mysql.com> under Documentation.

Data Source Names Drivers ADO Settings Environment

Add Data Source Name Step - 3

Configure DNS

DSN	TestDSN
Driver	MySQL 3.22.32-1
Description	Testing DSN
Server	<input type="text" value="localhost"/>
Port	<input type="text"/>
Database	<input type="text" value="mysql"/>
User	<input type="text" value="root"/>
Password	<input type="text" value="cobalt-mysql"/>

This will lead to the following screen to complete the **Add New DSN process**.

Data Source Names Drivers ADO Settings Environment

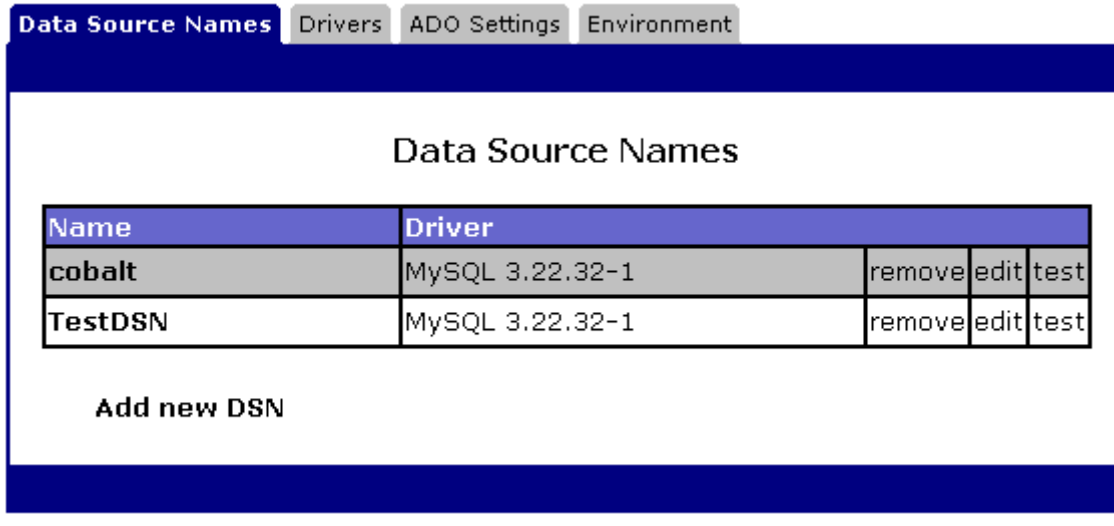
Add Data Source Name Step - 4

DSN **TestDSN** has been created successfully.

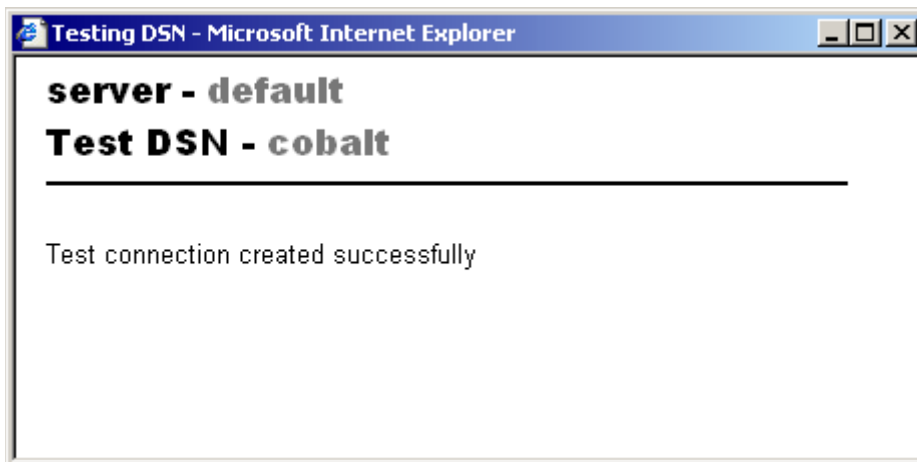
Step 8

For a RaQ3, test the DSN you just created by clicking on **test**.

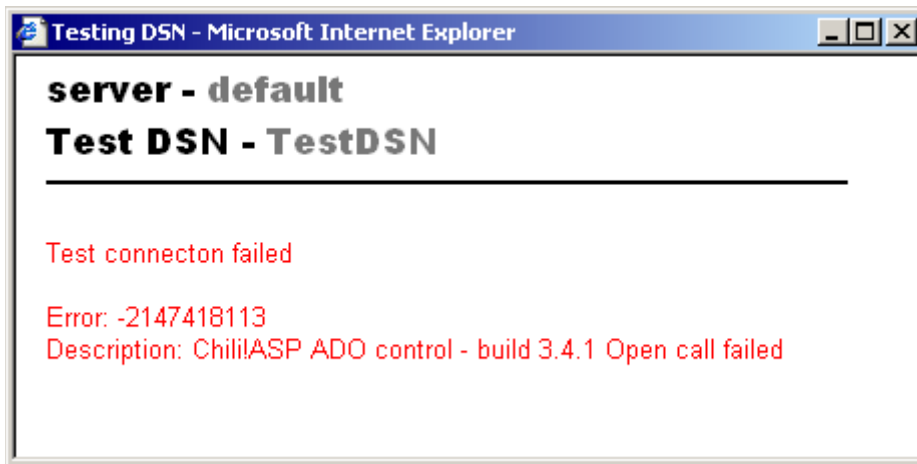
For a RaQ4, test the DSN you just created by clicking on **test**.



A successful test will show:



A failed test will show:



IMPORTANT NOTE

On machines without the latest ChilliASP patch, the Test DSN link will give the Failed error every time after it fails once. Either [install the patch by clicking on this link](#) (the patch is a standard PKG file that you install via the RaQ's User Interface) or restart the ASP engine each time this occurs.

It is included in [OS Update 1.0 for the RaQ4](#) and [ChilliASP Interbase Fix for the RaQ3](#)

Step 9

For a RaQ3 and RaQ4, here is an example of the ASP code using a DSN called COBALT.

```
<%  
ConnString = "DSN=COBALT"  
  
Set Conn = Server.CreateObject("ADODB.Connection")  
Conn.Open ConnString  
  
Conn.Execute .....  
.....  
.....  
Conn.Close  
Set Conn = Nothing  
>%
```

A DSN-less connection looks like this:

```
<%  
ConnString =  
"Driver={MySQL};SERVER=localhost;DATABASE=mysql;UID=user;PASSWORD=password"  
  
Set Conn = Server.CreateObject("ADODB.Connection")  
Conn.Open ConnString  
  
Conn.Execute .....  
.....  
.....  
Conn.Close  
Set Conn = Nothing  
>%
```

Step 10

For a RaQ3 and RaQ4, here's how you change the default MySQL root password. Telnet into your RaQ as admin and type "su -" to login as root.

```
[root@support asp]# telnet raq3.support
Trying 10.31.0.30...
Connected to raq3.support.
Escape character is '^]'.

Cobalt Linux release 5.0 (Pacifica)
Kernel 2.2.14C10 on an i586
login: admin
Password:
Last login: Thu Nov  9 16:38:49 from rev72.dhcp
*****
*
* Type 'pine' or 'mail' to read your email
*
* Type 'cd web' to access your personal web page
* Type 'cd .././web' to access the site web
* Type 'cd .././ftp' to access the anonymous FTP site
* Type 'cd' to return to your home directory
*
* Type 'exit' to end this session
*
*****
You have new mail.
*****
*
* NOTICE TO ROOT USER: Changes to system files may affect
* your warranty. Please consult your warranty card for details.
*
* http://www.cobaltnet.com
*
*****
[admin@raq3 admin]$ su -
Password:
*****
*
* NOTICE TO ROOT USER: Changes to system files may affect
* your warranty. Please consult your warranty card for details.
*
* http://www.cobaltnet.com
*
*****
[root@raq3 /root]#
```

Next, issue the following command to change the root password.

```
mysqladmin -uroot -pcobalt-mysql password NEW-PASSWORD
```

```
[root@support asp]# mysqladmin -uroot -pcobalt-mysql password NEW-PASSWORD
```

If it works, you won't get any message, it'll just return the prompt again. Type "exit" and press Enter to log out completely (do it twice).