
Table of Contents

Part I Introduction	2
Part II Setting up SQL 2005 Express	2
1 Downloads	2
2 Installation	2
3 Configuration	6
Part III Setting up IIS	8
1 Installation	8
Part IV Installing EventSentry	8
1 Installation	8
Index	0

1 Introduction



This guide will walk you through setting up a fully functional EventSentry installation using Microsoft's free SQL Server 2005 Express Edition database. It can be downloaded for free from Microsoft's web site at: <http://download.microsoft.com>. The steps for setting up the full version of SQL 2005 are very similar, so you can use this guide for that as well.

Before we start with the EventSentry installation we will need to prepare the server to ensure that the components required by EventSentry are installed and setup correctly. Since the majority of EventSentry customers are currently using 32-bit Windows Server 2003 we are going to be using this in our example. The main requirements are of course the SQL server itself and Internet Information Server (akak IIS) to display the web reporting.

2 Setting up SQL 2005 Express

2.1 Downloads

The first thing you need to download is MS SQL 2005 Express Edition. There is one available that includes SP2 which is the newest at the time of this guide. The direct link is here:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=31711d5d-725c-4afa-9d65-e4465cdf1e7&DisplayLang=en>

You may have to search their site if the link changes but it is usually easy to find. An optional but recommended application to download is the SQL Server Management Studio Express management tool which can be downloaded from here:

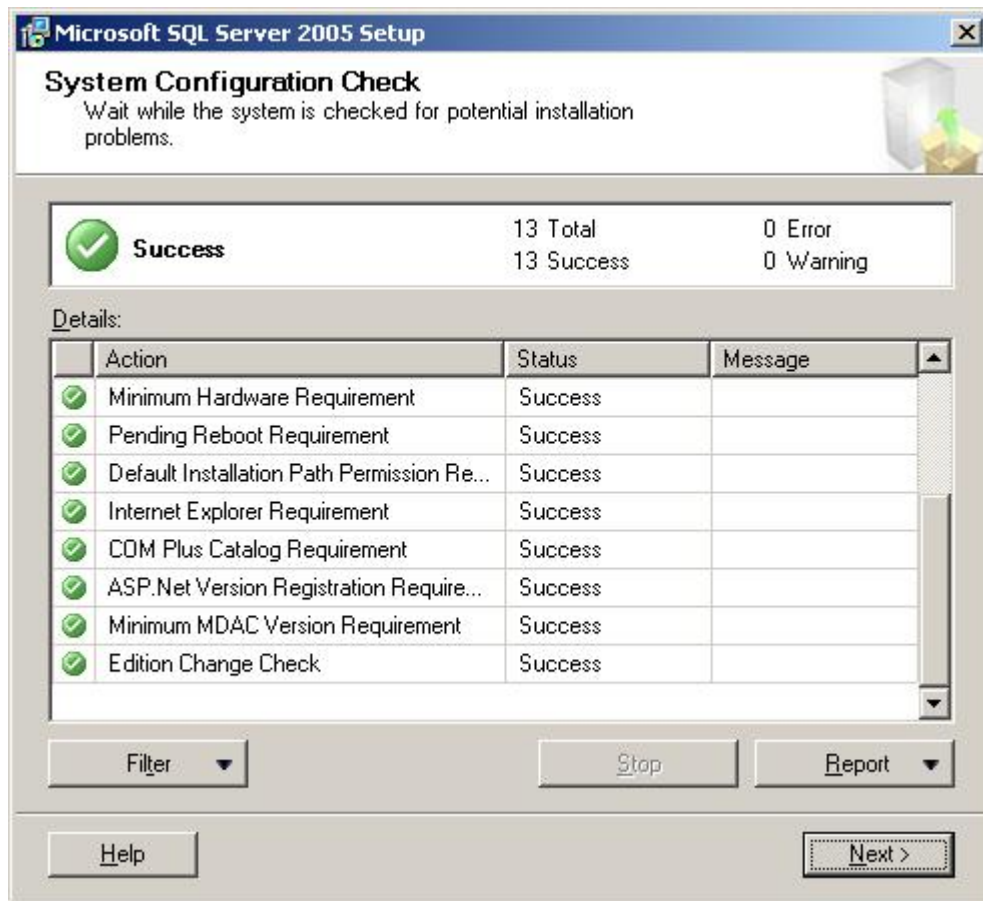
<http://www.microsoft.com/downloads/details.aspx?FamilyID=6053c6f8-82c8-479c-b25b-9aca13141c9e&DisplayLang=en>

SQL Server 2005 Express requires .NET 2.0 so please make sure you have that installed before continuing. An easy way to do obtain it is through Microsoft Update.

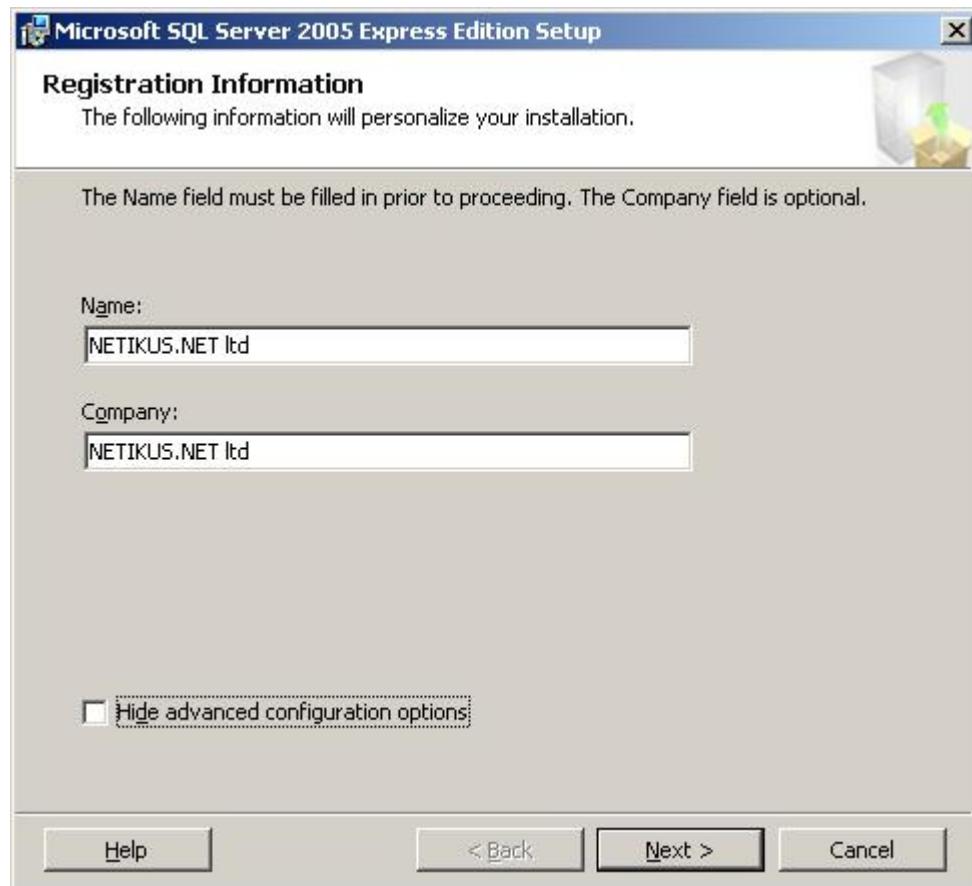
2.2 Installation

We are now ready to get started. After launching SQLEXP32.EXE you will have to agree to the licensing terms and then click Install to begin the process.

Next, your system will be scanned to make sure it meets all the requirements for SQL 2005 Express. Once they are all met, you can continue by clicking Next.



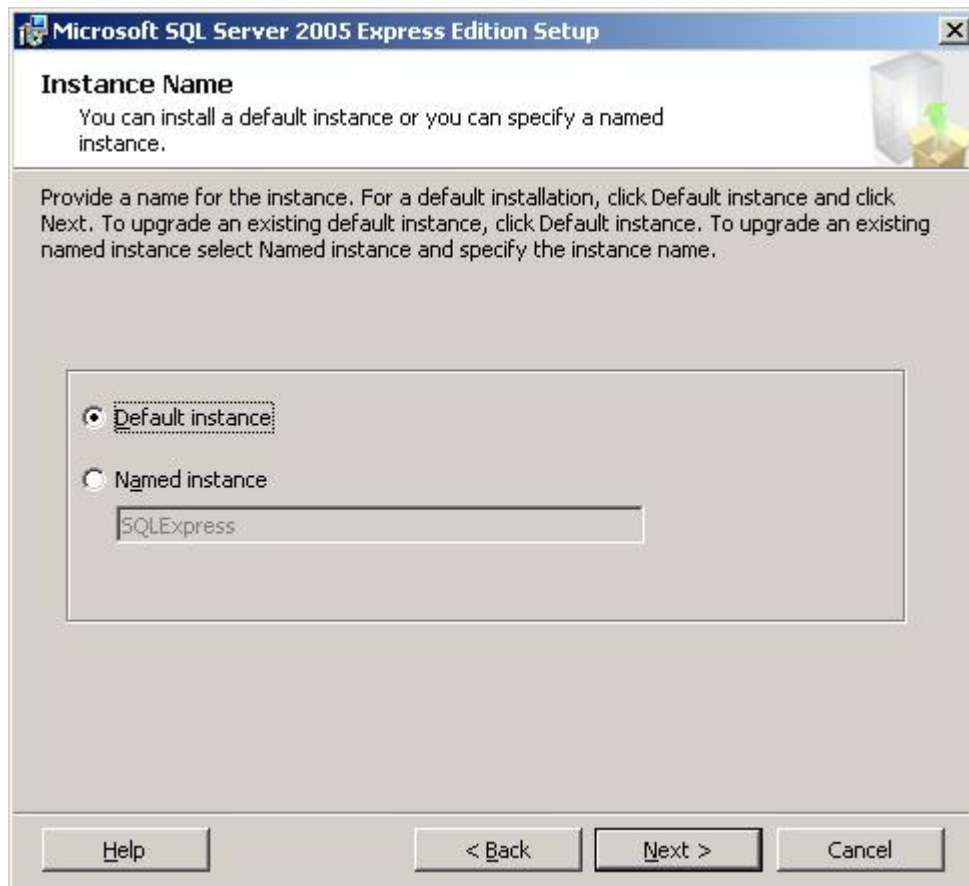
Continue until you get to the “Registration Information” page. Make sure to uncheck the “Hide advanced configuration options” box. We will want to modify a few things for EventSentry to work best.



The "Feature Selection" section comes up next. Here you can leave everything as default. You have the option of choosing a different installation location if desired. Remember that an EventSentry database can grow quite large (depending on your configuration of course), so make sure you choose a drive that has enough free space.

Next is the "Instance Name" dialog. By default, SQL Express will want to make a named instance. If you already have other database servers on here, this can be a good idea.

Since this is the only database on this server, I'm going to keep it simple and use the Default Instance. If you do use a named instance, please make a note of what it is. You may want to change it from "SQLExpress" to "EventSentry".



This next part is very important. EventSentry requires "Mixed Mode" authentication, so that SQL user accounts can be used to log into SQL Server in addition to Windows users accounts. There are two accounts that EventSentry uses that have very limited permissions: **eventsentry_svc** and **eventsentry_web**. They are SQL-only accounts only and have no Windows rights.

In "Mixed Mode", you will need to set a password for the "sa" user account. This is the master user of the database (like an Administrator in Windows or root in Unix). This password will be important later on when setting up EventSentry.

Next, you end up with the "Collation Settings" dialog box. You can leave the defaults and click on Next.

In the dialog below, there are two check boxes. We have no real reason to let unprivileged users run instances so I uncheck the first option. You can leave it on if you have a reason for this.

I leave the second option unchecked since we recommend using the "sa" account when configuring EventSentry.



You then get the "Error and Usage Report Settings". Use whatever you like here, it makes no difference in the functionality of the database.

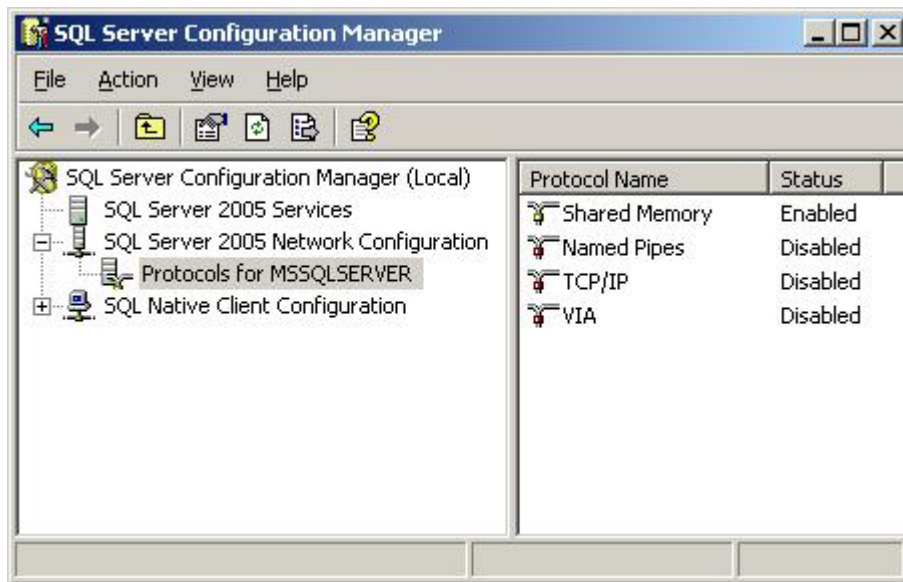
Now there should be an "Install" button which will do the actual installation. Once this is done - and assuming that the installation went through OK - you will have a fully functional database server.

We aren't finished yet though, there are still a few things we need to configure in SQL Server before we can use it with EventSentry.

2.3 Configuration

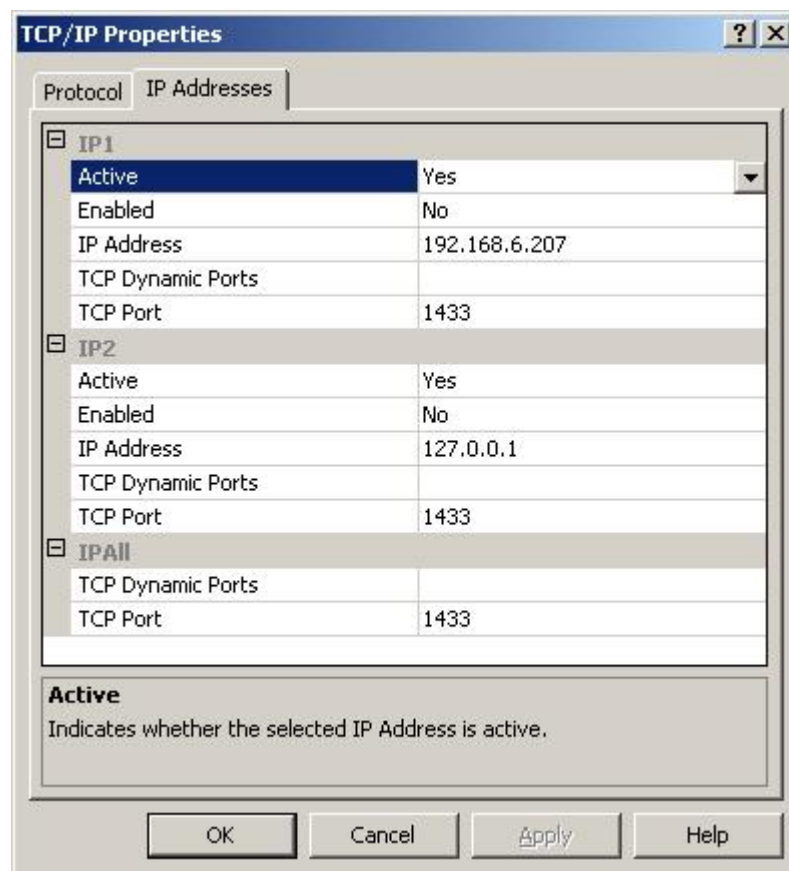
By default, SQL Server Express does not accept incoming TCP/IP connections. This is because the Express edition is intended for developers only, and Microsoft assumes that most developers only access the database locally. EventSentry however needs remote access to the database through TCP/IP in order for the remote the remote agents to write to the database.

To enable this, open the SQL Server Configuration Manager from Start -> All Programs -> Microsoft SQL Server 2005 -> Configuration Tools



You can see on the right that TCP/IP is set to "Disabled". Right click on it and choose "Enable". It will warn you that the SQL Server will need to be restarted for changes to take effect.

Now we need to find out which port it is running on. Double click TCP/IP to bring up its properties. Click on the "IP Addresses" tab.



Under "IPAll" you will see "TCP Port". This is the port that the SQL Server is listening on. In this case, it is running on the default port of 1433. Yours may differ, especially if using a named instance.

Make a note of this port if it is not 1433 since we will need it later when setting up our connection string. Click OK once you have this to return to the main Configuration Manager screen. Click on "SQL Server 2005 Services" on the left. You will see the SQL Server service on the right. Right click it and choose "Restart". This will make all the changes take effect.

If you are using Windows Firewall, then you will most likely need to open this port.

3 Setting up IIS

3.1 Installation

We are now ready to prepare IIS for EventSentry. The main things needed are the **World Wide Web Service** and **Active Server Pages**. Please note that "Active Server Pages" and "ASP.NET" are two different things. EventSentry does not currently use the .NET framework.

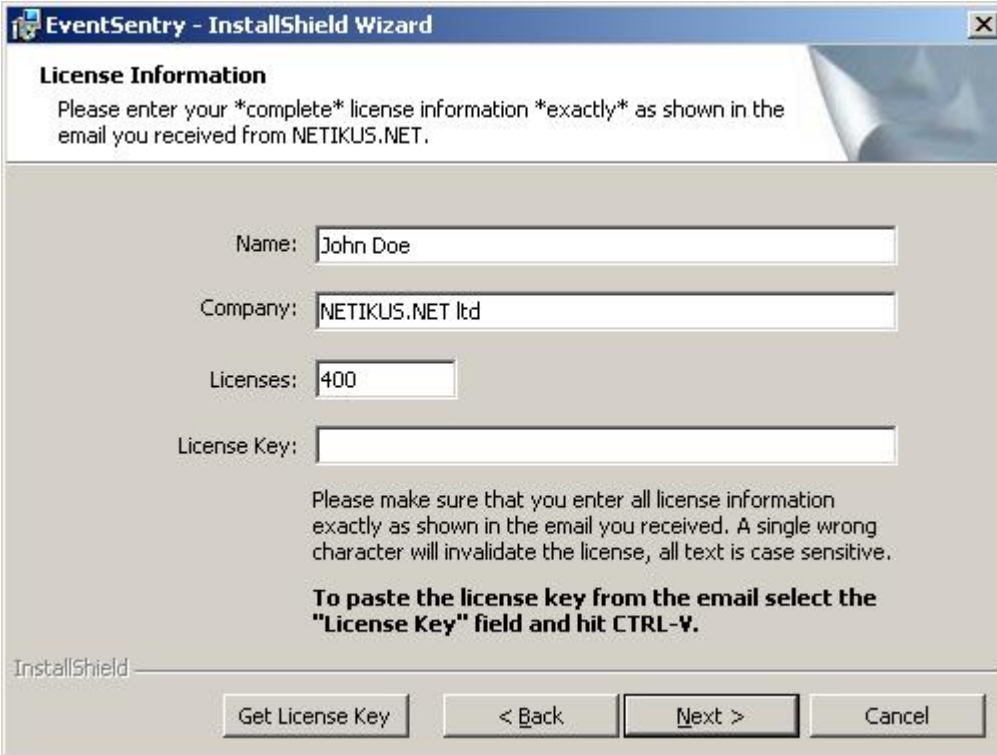
Go to Control Panel -> Add/Remove Programs. Once in there, click on "Add/Remove Windows Components" over on the left. Double click on "Application Server" to open the details. Next, double click on "Internet Information Services (IIS)". Scroll down to the bottom of those details, and check the "**World Wide Web Service**" box to select it. You will now also have to double click it to go into its details as well. At the top you will need to check "**Active Server Pages**".

Click OK to all the open windows to get back to the "Windows Components Wizard". Click on the Next button to begin installing the new components. We are now ready to start the EventSentry install!

4 Installing EventSentry

4.1 Installation

This step is quite simple once you have the previous steps completed. Double click on the installer to begin the install. Once you accept the license agreement, you will be asked for your license information.



EventSentry - InstallShield Wizard

License Information

Please enter your *complete* license information *exactly* as shown in the email you received from NETIKUS.NET.

Name:

Company:

Licenses:

License Key:

Please make sure that you enter all license information exactly as shown in the email you received. A single wrong character will invalidate the license, all text is case sensitive.

To paste the license key from the email select the "License Key" field and hit CTRL-V.

InstallShield

Please note that all the information must match EXACTLY. All fields, including name and company name, are case sensitive.

Click Next to start entering your environment's information.



EventSentry - InstallShield Wizard

Email Action Setup

Please fill out the fields below to setup a default SMTP (email) notification.

Information for Email Alerts

SMTP Sender Email:

SMTP Recipients Email:

SMTP Server:
(if empty then DNS will be used to determine SMTP server)

Email Alert Sensitivity

Email Warnings from event logs

Email Errors from event logs

By default, each EventSentry agent will not email you more than 30 events per hour.

InstallShield

By leaving the \$HOSTNAME variable in the sender email, you can see which machine the email is coming from. For instance, if your server named DCCHI1 sends an email alert, it will come from DCCHI1@yourdomain.com

I also recommend leaving the two check boxes at the bottom selected. You can start excluding events you do not want to see later on. Click Next to choose the components to install.



Here I kept the defaults but also added the "Widgets", "Setup IIS", and "Setup MSSQL Database" features. This will get us everything we need to use all the features. Click on Next to continue.

Now we need to tell EventSentry which account to run the heartbeat service under.

The screenshot shows a Windows-style dialog box titled "EventSentry - InstallShield Wizard". The main heading is "Heartbeat Monitor Configuration". Below the heading, it says "The following information is used by the EventSentry heartbeat monitor".

The main text area contains the following instructions: "You can specify a username other than the default LocalSystem account for the heartbeat monitor service to run under. This is important if you plan on monitoring remote EventSentry agents in environments with multiple domains."

There are two input fields: "Username:" with the text "MYDOMAIN\DomainAdminAccount" and a placeholder "DOMAIN\Username"; and "Password:" with the text "*****" and a placeholder. Below these fields, it says: "Please specify an administrative user account in the format 'DOMAIN\Username'. You may leave these fields empty to use the LocalSystem account."

At the bottom left, it says "InstallShield". At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

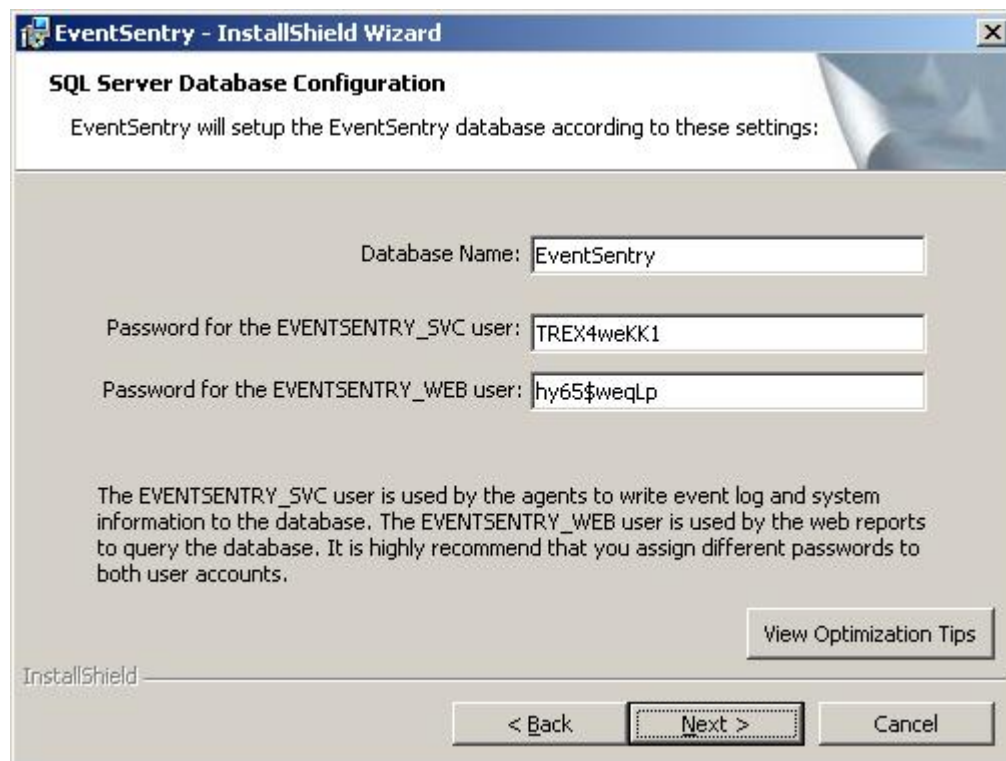
The EventSentry Heartbeat Service makes sure that the EventSentry service is running on your remote machines. Because of this, it needs permissions to query them. We recommend using a domain admin account to run this service under. Please make sure it is a valid account before proceeding, or the installer will fail later on. **If you are unsure about which account to use here, then simply leave both fields empty.** You can configure the user account the EventSentry Heartbeat Monitor is running under later on.

Next we need to tell EventSentry about our database.



Even though this machine is running on the local host, you must use the actual Windows name of the computer (or IP). If you do not, each of the agents are going to try writing to localhost which of course would be themselves, not this machine.

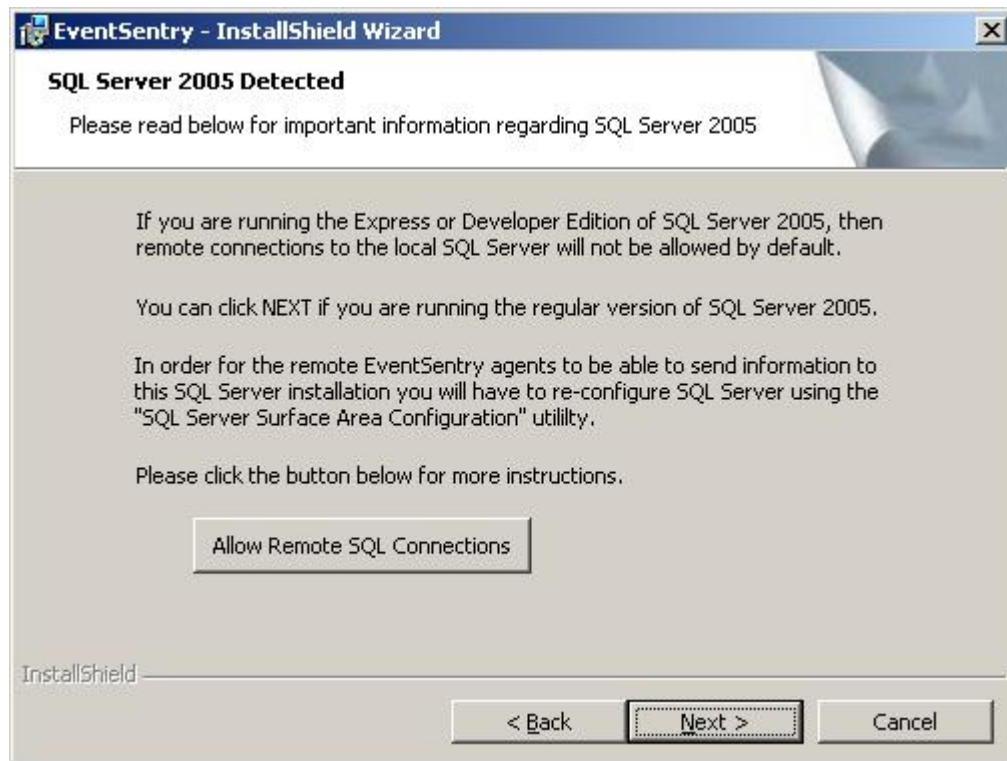
You should also make sure to enter the "sa" account and password for the authentication. This way you can be sure the installer has the permissions needed to create all objects in the database.



This is the database EventSentry will create and use on your server. We recommend leaving the default "EventSentry" for the "Database Name", but it can of course be changed.

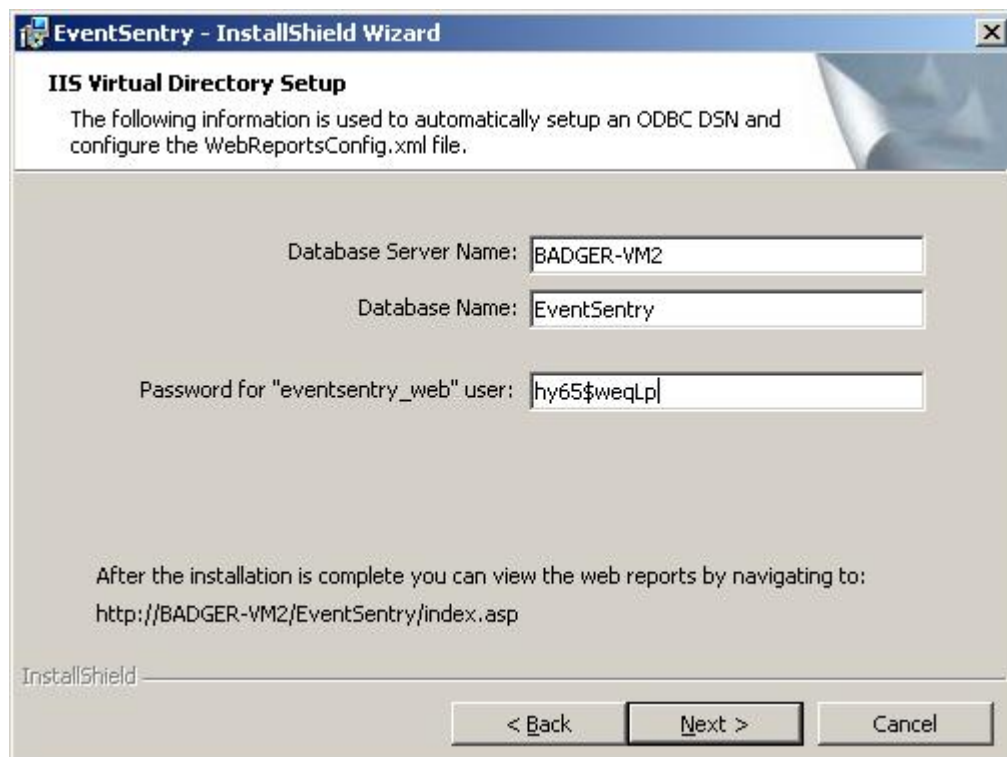
The next two lines show the SQL users that will be created. The EVENTSENTRY_SVC account is used by the agents to write to the database, whereas the EVENTSENTRY_WEB account is used by the web reports to read from the database. We recommend using a different password for each one, but that is up to you.

Next you get this warning:



We took care of this right away with the SQL Configuration Manager. We are ready to continue so you can just click Next.

Now the web reports need to be configured as well.



It should already have correctly entered the information from our earlier input. You can click Next if it all looks correct.

Click on the Install button and it should complete successfully in a few minutes. Once it is done, hit Finish and you are ready to start using EventSentry!

Once you have this up and running, please check out our screen casts located here:

http://www.eventsentry.com/support_screencast.php

They are a quick way to get up and running and I highly recommend spending some time on them. It will make your EventSentry experience much more smooth.

If you have any questions, please contact us at support@netikus.net and we would be glad to help you out.