## Subject: I need an education in SQL
Posted by reborn on Mon, 28 Feb 2011 10:26:33 GMT
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I have a very limited understanding of databases and how to interact with them. At my place of work the Database Admins have servers running Microsoft SQL server 2005/2008.
I manage software that interacts with some of the databases on these servers which does so through an OBDC connection which I had to set up on the Application server.
However, I also sometimes view the tables on the databases using Microsoft sql server management studio 2005.

I'll log in using SQL server authentification rather than my windows credentials (as worryingly they actually let me have SA rights (well, the applications server needed SA to create the database, so I use that)).

Screenshot is a random google image

Then I'll browse to databases->the database I want->tables then I view the table...

I set up an ODBC connection on my client PC and sometimes view the databases in Microsoft Access instead, as I find setting up views easier that way.

This is the entire extent of my database knowledge. I do know how to run SQL queries, but I do not actually know any SQL queries.

What the fuck has any of this rambling got to do with renegade modding?

I want to know how to create a plugin that will interact with a database. I need to know how to install the database server, which database server software most people use, and I need to know how to create my tables, access data, modify data, write data, compare "cells", close the connection properly, pretty much everything.

Is there anyone willing to help?

What would be really fucking awesome would be a tutorial using the SSGM plugin.
The tutorial would ideally include how to install the DB software, then proceed to demonstrate in the plugn how to connect to the database and handle errors (like the db doesnt exist), how to create the table and set up the headings (if they do not exist) via the plugin itself. Then how to write some data and read some data, and modify some data too.

## Subject: Re: I need an education in SQL
Posted by Spyder on Mon, 28 Feb 2011 12:31:21 GMT
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What? You mean like:

SELECT/INSERT/UPDATE/DELETE etc.

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## Subject: Re: I need an education in SQL
Posted by danpaul88 on Mon, 28 Feb 2011 12:37:02 GMT
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The queries you need will also depend on the flavour of SQL used, for instance Oracle differs from the ANSI standard... although I doubt any Renegade server owners are running Oracle databases.

Most likely your going to want to support MySQL, since that's used by a lot of websites for their backend.

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## Subject: Re: I need an education in SQL
Posted by reborn on Mon, 28 Feb 2011 12:45:32 GMT
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Spyder wrote on Mon, 28 February 2011 07:31What? You mean like:

SELECT/INSERT/UPDATE/DELETE etc.

Yes, but I want to learn how to do this programatically.

danpaul88 wrote on Mon, 28 February 2011 07:37The queries you need will also depend on the flavour of SQL used, for instance Oracle differs from the ANSI standard... although I doubt any Renegade server owners are running Oracle databases.

Most likely your going to want to support MySQL, since that's used by a lot of websites for their backend.

Yes, that would be likely. Now be awesome and write that tutorial and example plugin!

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## Subject: Re: I need an education in SQL
Posted by Sir Kane on Mon, 28 Feb 2011 17:39:33 GMT
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I have a ODBC class somewhere.

---

## Subject: Re: I need an education in SQL
Posted by halo2pac on Tue, 01 Mar 2011 06:54:52 GMT

SQL 2k8.

I would use sql server authentication so that you can supply a DB username/password.

Btw I work for a software company that uses databases heavily with C#.

there has to be a C++ wrapper for this.

---

## Subject: Re: I need an education in SQL
Posted by reborn on Tue, 01 Mar 2011 09:03:22 GMT

Sir Kane wrote on Mon, 28 February 2011 12:39I have a ODBC class somewhere.

That would be pretty nice if you wouldn't mind posting it?

halo2pac wrote on Tue, 01 March 2011 01:54SQL 2k8.

I would use sql server authentication so that you can supply a DB username/password.

Btw I work for a software company that uses databases heavily with C#.

there has to be a C++ wrapper for this.

A totally awesome person would add that wrapper to a plugin and show a few slick moves using it!

By the way, totally sorry for not sending that stuff out yet, no excuse for it really, just been at the back of my mind.

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## Subject: Re: I need an education in SQL
Posted by danpaul88 on Tue, 01 Mar 2011 12:24:50 GMT

I am not really sure what the point of making an SSGM plugin to connect to a database is... other plugins are still going to have to make their own connections and run their own queries based on what data they want to store / retrieve from their own tables, so why have another plugin which just creates a random connection for no apparent purpose?

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## Subject: Re: I need an education in SQL
Posted by jnz on Tue, 01 Mar 2011 17:55:29 GMT

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sqlite is the easiest thing to use in my opinion.
(http://www.sqlite.org/sqlite-amalgamation-3070500.zip)

http://www.sqlite.org/docs.html

---

## Subject: Re: I need an education in SQL
Posted by reborn on Tue, 01 Mar 2011 18:03:04 GMT
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danpaul88 wrote on Tue, 01 March 2011 07:24I am not really sure what the point of making an
SSGM plugin to connect to a database is... other plugins are still going to have to make their own
connections and run their own queries based on what data they want to store / retrieve from their
own tables, so why have another plugin which just creates a random connection for no apparent
purpose?

An example... It would show me what to do in simple terms, so that I could make my own and
expand on it.

jnz wrote on Tue, 01 March 2011 12:55sqlite is the easiest thing to use in my opinion.
(http://www.sqlite.org/sqlite-amalgamation-3070500.zip)

http://www.sqlite.org/docs.html

Thank you, I will start googling, I guess.

---

## Subject: Re: I need an education in SQL
Posted by jnz on Tue, 01 Mar 2011 18:07:14 GMT
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reborn wrote on Tue, 01 March 2011 18:03

Thank you, I will start googling, I guess.


Google will turn up some good results but there are some good pointers in the link above

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## Subject: Re: I need an education in SQL
Posted by danpaul88 on Tue, 01 Mar 2011 18:11:29 GMT
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If your interested in using SQLite you might want to look at the BRenBot source code, since that
uses SQLite for it's database.

Of course, that's written in Perl... but you will be able to get pointers on the SQL side of things.

Subject: Re: I need an education in SQL
Posted by reborn on Tue, 01 Mar 2011 18:55:00 GMT
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jnz wrote on Tue, 01 March 2011 13:07reborn wrote on Tue, 01 March 2011 18:03

Thank you, I will start googling, I guess.

Google will turn up some good results but there are some good pointers in the link above

SQLite definately seems like the way to go, it's built into the application and you get the source code, no database server needed, it's just part of the app. Feeling it.
I just compiled a dummy plugin with the sqlite header file and .c file. Doesn't actually do anything yet, but it's nice to have it compile without errors and start diving in.
Looking through the site now.

danpaul88 wrote on Tue, 01 March 2011 13:11If your interested in using SQLite you might want to look at the BRenBot source code, since that uses SQLite for it's database.

Of course, that's written in Perl... but you will be able to get pointers on the SQL side of things.

Thank you, I will take a look.

Subject: Re: I need an education in SQL
Posted by reborn on Tue, 01 Mar 2011 22:27:24 GMT
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I tried using the easysqlite wrapper for sqlite, it's got me up and running very quickly, and I have now successfully created a database, a table, and some records of different types. I was also able to read these records, modify them and print them to the console screen.

I'm extremely happy!

Subject: Re: I need an education in SQL
Posted by reborn on Wed, 02 Mar 2011 11:22:23 GMT
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This was only a small test, but you can see it clearly working in the screeny below. Modified scripts.dll using a database is nothing new, I know of at least Two people that have already done this and there are probably plenty more people that could if they wanted to.
For me though, this is new and exciting. It opens up the door to more possibilities.

Subject: Re: I need an education in SQL
Posted by cAmpa on Wed, 02 Mar 2011 11:47:27 GMT
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Don't forget that SQlite can block your server.
Work with threads if you don't want horrible lags.

Subject: Re: I need an education in SQL
Posted by reborn on Wed, 02 Mar 2011 12:59:35 GMT
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cAmpa wrote on Wed, 02 March 2011 06:47Don't forget that SQlite can block your server.
Work with threads if you don't want horrible lags.

Indeed, I had considered that. I will make sure I use a thread for the database.

Subject: Re: I need an education in SQL
Posted by iRANian on Thu, 05 May 2011 21:06:47 GMT
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Did you make any progress with this, Reborn? I'm gonna play around with SQLite soon and I
wonder if you found any interesting/resourceful links or software libraries. WxSQLite3 is a wrapper
that uses WxWidgets' data types, and YaRR also contains a wrapper for SQLite. I found  a tutorial
on the SQLite written in 2007. Haven't really searched for stuff though.

Subject: Re: I need an education in SQL
Posted by reborn on Thu, 05 May 2011 22:03:38 GMT
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I found the easysqlite wrapper most easy to use. I never went anywhere with it though as the
project I had in mind soon became boring to me. I actually didn't go much further than what I
posted in this thread.

Subject: Re: I need an education in SQL
Posted by bmruze on Mon, 09 May 2011 10:26:56 GMT
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I am pretty sure that somewhere in these forums some source code was posted, by someone who
used SQL in their build of SSGM, I'll do some looking and see what I can find. If I remember
correctly they used it for their commander based system but looking at what they did could help
you out a little.

Once again I'll do some looking around to see if I can find it.

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Subject: Re: I need an education in SQL
Posted by iRANian on Mon, 09 May 2011 23:49:33 GMT

bmruze wrote on Mon, 09 May 2011 03:26I am pretty sure that somewhere in these forums some source code was posted, by someone who used SQL in their build of SSGM, I'll do some looking and see what I can find. If I remember correctly they used it for their commander based system but looking at what they did could help you out a little.

Once again I'll do some looking around to see if I can find it.
I'd appreciate that.

btw, how's your identical twin brother?

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