

Re: Performance of ODBC

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you will have to use SQL authentication for the most part; unless you have a VPN connection or something

you will need to redirect the port through the firewall so that it can hit your server.

if you have a software firewall; allow 1433/1434 through it
if you have a software firewall; forward 1433/1434 to your server

Bruce Maston wrote:

Hi Vadim,

Thank you for your reply. I've delayed responding to try out some of these ideas. I've now created my own server with SQL Server 2005 Express, and I've gotten this going on my network at the office. As such, I have two XP computers with Access front end, and I've hooked up my older computer (with W2K pro) where I have the SQL Server and my database tables.

I encountered some problems due to my stupidity. The more interesting glitch concerns the Upsizing Wizard.

A bit of history here. I originally set up my ODBC connection via Settings/Administrative Tools/ODBC and the User DSN tab. The upsizing wizard in Access 2K worked perfectly. About a year ago, the Upsizing Wizard crashed and didn't work anymore. I eventually learned (from tech support at the ISP) that I needed to set up the connection with System DSN. I did this, and the problem was solved. I can't clearly remember the reason I needed to do this -- I think it was some Windows or Office update that led to this.

When I used the upsizing wizard to my own server yesterday, the wizard again crashed. I figured out that I needed to go back to a connection to [servername]\SQLEXPRESS via User DSN. I thought I was golden until I tried to open the app. I was getting error messages that turned out to be because any Yes/No Access column is a Bit column in SQL. As such, whereas Access sees Yes/No as -1/0, SQL sees this as +1/0. Amazingly (to me anyway), when you view the data in a table via SSMS, you see the +1's. When you view the

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same table via Access, you see the -1's. I corrected my problem by changing the VBA code in Access, and I've now got it going.

As far as a speed, the connection is now virtually instantaneous. Thus, I've concluded my speed problem was either in the ISP's server, or one of the other situations that you posed (and that I've not totally deciphered yet).

Anyway, the next question is what the speed will be when I use my home computer with the Access front end to connect to the SQL server 2005 Exp. at the office.

This is really my next question, and maybe the end of a very long entry is not the best place for it. How to I reach the server at my office from home? I have a fixed IP address at the office (but not at home where I'm simply on RoadRunner). I can't figure out how to type something in the boxes for the ODBC connection that gets anything to happen. There is lots of info on enabling TCP/IP to connect via a LAN (along with using SQL authentication), but nothing on what the connection string looks like from a remote site.

Bruce Maston

"Vadim Rapp" wrote:

Most likely this is a problem with your or your ISP network configuration, most likely with DNS. I just tried to connect from home computer to sql server running at my work computer and published on the firewall; both Access through odbc and vb6 program were able to connect and extract the data practically instantly..

Did you try tracert to your server?

Also, if you close your Access and then reopen and reaccess the server data, is it still slow? perhaps sql server is autostarted when you connect first time, or maybe the database is autoclosed and needs to reopen?

Vadim Rapp