

## Re: Grant access to applications only

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- *From:* ulrich schumacher <[ulrichschumacher@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:ulrichschumacher@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 9 Jun 2008 15:49:01 -0700
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Hi Erland,

thanks a lot for your suggestions. I think i will give the third a try.

Best regards  
Ulrich

"Erland Sommarskog" wrote:

ulrich schumacher ([ulrichschumacher@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:ulrichschumacher@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)) writes:

Is there a way to allow a .net application write access to sql server but to deny a direct user login e.g. via management studio.

The background is that the users must not be able to manipulate the data directly but only within the application. Integrated security should be used as authentication type.

There are a couple of ways to achieve that, but all have quite hefty repercussions:

- \* Make all access through stored procedures, and remove direct access to the tables. Good start, but if users can access SSMS, they can run the procs manually, so you need to have your procedures to do all business logic.
- \* Use application roles. This is only good for a three-tier application, where you can hide the password in the middle layer somewhere the users cannot access it. On a two-tier application, the users can always find the password if they want to.
- \* Use a proxy user. Again, this requires a three-tier application. The middle tier authenticates the users, connect to the database, and then impersonate the users. The users however, do not have their own login to the server.

Undoubtedly, this last method is the safest.

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In short, to achieve what you are asking for, you need to design your application for it.

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Books Online for SQL Server 2005 at

<http://www.microsoft.com/technet/prodtechnol/sql/2005/downloads/books.mspx>

Books Online for SQL Server 2000 at

<http://www.microsoft.com/sql/prodinfo/previousversions/books.mspx>