

Re: Sql Server Login

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.msde/2005-01/0039.html>

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hi,

"Hemang Shah" <v-hshah@microsoft.com> ha scritto nel messaggio
news:%23Qugnxg8EHA.2032@tk2msftngp13.phx.gbl

> Hello

>

> When i'm using Server Explorer, I have a small red x next to all the
> databases, and one of the server has an icon with a plug, Now I have
> "Use Windows NT security" selected. How can I use the login and
> password.

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> I had installed MSDE before few months, I tried SA with blank
> password and that didn't work. Is there any installation log file ?

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> What is the difference between these 2 security settings ?

>

> Which is better for creating the database on one computer and then
> deploying it at the customer site.

>

> Are there any documents which explain how to copy a database from
> development site to production site?

>

> Thanks

in order to use SQL Server authentication, and thus providing yourself the login credential you need to, you have to set the SQL Server/MSDE instance to allow that... by default MSDE installs on WinNT platform allowing only WinNT (trusted) connection, and you have to "hack" the Windows registry to modify it after instal..

please have a look at

<http://support.microsoft.com/default.aspx?scid=kb:en-us:285097> for futher info about modifying this behaviour..

SQL Server uses a so called "2 phase" authentication policy:

first an SQL Server Login or a Windows login must be created of granted access to the SQL Server instance... at the server level a login can be made member of none, 1 or all of the fixed server roles, which include "sysadmin" role and so on...

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the second authentication phase is at database level, where each login will be granted database access mapping to a database user... here access permissions are set, as granting user/role SELECT/DELETE/EXECUTE (and so on) privileges at an object level (or column level for tables and views).. the mapping is performed in the JOIN database..sysusers.sid = master..syslogins.sid , so the only link is the provided Login's sid, it's Security IDentification number so, the second phase regards a database security implementation... in order to access a specified database the simple login existence does not provide database access, but a (database) user must be mapped to the corresponding login.. and is about verifying that at each object level (including database, tables, views, columns, procedures and so on) the Login/User association is permitted access to... please go on reading at http://msdn.microsoft.com/library/default.asp?url=/library/en-us/architec/8_ar_da_0n77.asp and following chapters..

but, back to the first phase, you can choose between 2 authentication modes: WinNT (trusted) connections or SQL Server authenticated connections... the latter always requires full user's credential such as "User Id=sa;Password=pwd", the password can be NULL so it must not be specified, but I strongly advise you always to ensure strong passwords are present.... WindowsNT authentication, on the contrary, does not requires user's credential because it's directly provided by Windows via the logins'ID (sid), which authenticate user's login at the windows login step... SQL Server only needs to verify that the corresponding login and/or group is granted to log on the instance...

Microsoft recommends to use the Windows NT (trusted) model as it grants more and reliable security patterns you can start reading about authentication modes at http://msdn.microsoft.com/library/default.asp?url=/library/en-us/adminsql/ad_security_47u6.asp

other articles worth reading can be found at http://www.sql-server-performance.com/vk_sql_security.asp
<http://www.microsoft.com/technet/prodtechnol/sql/2000/maintain/sp3sec03.msp>
<http://www.microsoft.com/technet/prodtechnol/sql/2000/maintain/sp3sec00.msp>

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<http://www.asql.biz/DbMgr.shtm> <http://italy.mvps.org>
DbMgr2k ver 0.9.1 - DbMgr ver 0.55.1
(my vb6+sql-dmo little try to provide MS MSDE 1.0 and MSDE 2000 a visual interface)
----- remove DMO to reply