

microsoft.public.sqlserver.security: Re: does sql user need to be an admin?

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Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2002-12/3825.html>

From: Dan Guzman (danguzman@nospam-earthlink.net)

Date: 12/10/02

From: "Dan Guzman" <danguzman@nospam-earthlink.net>

Date: Mon, 9 Dec 2002 22:16:45 -0600

User accounts need to be granted access to SQL Server in order to connect; file permissions do not control database access. By default, members of the local Administrator group access SQL Server via the 'BUILTIN\Administrators' login. This account is a member of the powerful sysadmin server role and should not be used for routine application access.

Below are scripts for the basic SQL Server security administration tasks needed to grant an account permissions to connect and use a database object. See the SQL Server Books Online <admsql.chm:/ad_security_05bt.htm> for details and instructions for the Enterprise Manager equivalents.

Grant a Windows account access to SQL Server:

```
EXEC sp_grantlogin 'MyDomain\MyAccount'  
GO
```

Grant a Windows account access to a SQL Server database:

```
USE MyDatabase  
EXEC sp_grantdbaccess 'MyDomain\MyAccount'  
GO
```

Add a database role:

```
USE MyDatabase  
EXEC sp_addrole 'MyRole'  
GO
```

Grant object permissions to a role:

```
USE MyDatabase  
GRANT SELECT, INSERT, UPDATE, DELETE  
ON MyTable TO MyRole
```

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Add a user to a database role:

```
USE MyDatabase
EXEC sp_addrolemember 'MyRole', 'MyDomain\MyAccount'
GO
```

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Hope this helps.
Dan Guzman
SQL Server MVP

SQL FAQ links (courtesy Neil Pike):
<http://www.ntfaq.com/Articles/Index.cfm?DepartmentID=800>
<http://www.sqlserverfaq.com>
<http://www.mssqlserver.com/faq>

"Dan C." <danc@nospam.com> wrote in message
news:057701c29fec\$669c9030\$d3f82ecf@TK2MSFTNGXA10...
> I have an application that logs onto SQL server using
> integrated Windows authentication.
>
> On client machine:
> Created an account called "APPUSER" that belongs to
> the "Users" group. The application (actually a web app)
> uses impersonation to create a database connection using
> that account.
>
> On server machine:
> Created the same account and also added it to SQL server
> with rights to the desired table.
>
> The problem I have is that if that account does not belong
> to the "Administrators" group, I get a message that the
> user is not a member of a trusted SQL connection. If the
> account belongs to the administrators group then
> everything works perfectly.
>
> I do not want clients to use an administrative account to
> access the database. Does anybody know what I am
> missing? "Everyone" has "full control" to the sql server
> directory.
>
> Thanks in advance.
>
> Dan