

Re: GRANT Select to all tables on a DB

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.server/2004-10/1775.html>

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If you need flexibility, generate and/or execute the script yourself rather than relying on undocumented procedures. For example:

```
SET NOCOUNT ON
```

```
DECLARE @GrantStatement nvarchar(500)
DECLARE @LastError int
```

```
DECLARE GrantStatements CURSOR LOCAL FAST_FORWARD FOR
SELECT
CASE
WHEN OBJECTPROPERTY([ob].[id], 'IsUserTable') = 1 OR
    OBJECTPROPERTY([ob].[id], 'IsView') = 1 OR
    OBJECTPROPERTY([ob].[id], 'IsTableFunction') = 1 OR
OBJECTPROPERTY([ob].[id], 'IsInlineFunction') = 1 THEN
N'GRANT SELECT ON ' +
    QUOTENAME(USER_NAME([ob].[uid])) + '.' + QUOTENAME([ob].[name]) +
    ' TO MyRole'
WHEN OBJECTPROPERTY([ob].[id], 'IsScalarFunction') = 1 THEN
N'GRANT EXECUTE ON ' +
    QUOTENAME(USER_NAME([ob].[uid])) + '.' + QUOTENAME([ob].[name]) +
    ' TO MyRole'
ELSE
N''
END
FROM
sysobjects ob
WHERE
OBJECTPROPERTY([ob].[id], 'IsMSShipped') = 0 AND
(OBJECTPROPERTY([ob].[id], 'IsProcedure') = 1 OR
OBJECTPROPERTY([ob].[id], 'IsUserTable') = 1 OR
OBJECTPROPERTY([ob].[id], 'IsView') = 1 OR
OBJECTPROPERTY([ob].[id], 'IsInlineFunction') = 1 OR
OBJECTPROPERTY([ob].[id], 'IsTableFunction') = 1)
OPEN GrantStatements
WHILE 1 = 1
BEGIN
```

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```
FETCH NEXT FROM GrantStatements INTO @GrantStatement
IF @@FETCH_STATUS = -1 BREAK
RAISERROR (@GrantStatement, 0, 1) WITH NOWAIT
EXECUTE sp_ExecuteSQL @GrantStatement
END
CLOSE GrantStatements
DEALLOCATE GrantStatements
```

```
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Hope this helps.
Dan Guzman
SQL Server MVP
"Sam" <Sam@discussions.microsoft.com> wrote in message
news:A411570B-8F1B-46F7-8C88-9A00702C125A@microsoft.com...
> Are there similar commands to iterate through all the Stored Procs on a
> database, as well as all the views? Thank you again.
>
> Sam
>
> "SangHunJung" wrote:
>
>> Sam,
>> For all tables in one DB, for example, pub db
>> use pub
>> go
>> sp_msforeachtable 'grant select on ? to RO'
>>
>> For all DBs, sp_msforeachdb will do.
>>
>> Cheers,
>> SangHunJung
>> "Sam" wrote:
>>
>>> I have three main database files on a SQL 2000 server. Each database
>>> has
>>> about 200 tables. I need the ability to easily give a user SELECT for
>>> all
>>> tables in each database. I can use the GUI, but it takes way too long.
>>> Please
>>> help me figure out an easy way to enumerate all tables in the database,
>>> so I
>>> can construct a GRANT Select statement.
>>> Thanks.
>>> S
```