

Re: Script DB Object Level Security with SQL2005

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- *From:* Erland Sommarskog <esquel@xxxxxxxxxxxxxx>
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KevinL (KevinL@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx) writes:

I see no option to script roles. This is what I did:
Open Management Studio, expand databases, right click the DB, click Tasks, then Generate Script. The DB I right clicked is highlighted, I click next. I verified the Script Options to make sure Script Object-Level Permissions is True (there is no Option that mentions Roles) and click next. On Object Types window choices are Schema, Stored Procedures, Tables, User-defined data types, User-defined functions and Users.

No matter which option(s) I choose, and I've tried every combination I can think of, Role level permissions are not scripted.

If "Database roles" are not listed, this would indicate that you don't have any user-defined roles in the database, only the pre-defined roles, db_owner and the like. Indeed, it appears that membership in these roles are not scripted.

You can script all role membership with this SELECT:

```
SELECT 'EXEC sp_addrolemember "' + r.name + '", "' + u.name + "'
FROM sys.database_role_members rm
JOIN sys.database_principals u
ON rm.member_principal_id = u.principal_id
JOIN sys.database_principals r
ON rm.role_principal_id = r.principal_id
WHERE u.name <> 'dbo'
```

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Books Online for SQL Server 2005 at
<http://www.microsoft.com/technet/prodtechnol/sql/2005/downloads/books.msp>
Books Online for SQL Server 2000 at
<http://www.microsoft.com/sql/prodinfo/previousversions/books.msp>