

Exporting data In SQL Server as INSERT INTO



I am using SQL Server 2008 Management Studio and have a table I want to migrate to a different db server.

382

Is there any option to export the data as an insert into SQL script??



sql



sql-server

insert

data-migration



101

edited Nov 3 '15 at 14:49



user2771704

4,111

5

27

36

asked Oct 4 '09 at 8:57



Jack Kada

9,938

26

68

100

10 Answers



In SSMS in the Object Explorer, right click on the database, right-click and pick "Tasks" and then "Generate Scripts".

642

This will allow you to generate scripts for a single or all tables, and one of the options is "Script Data". If you set that to TRUE, the wizard will generate a script with INSERT INTO () statement for your data.



If using 2008 R2 or 2012 it is called something else, see screenshot below this one



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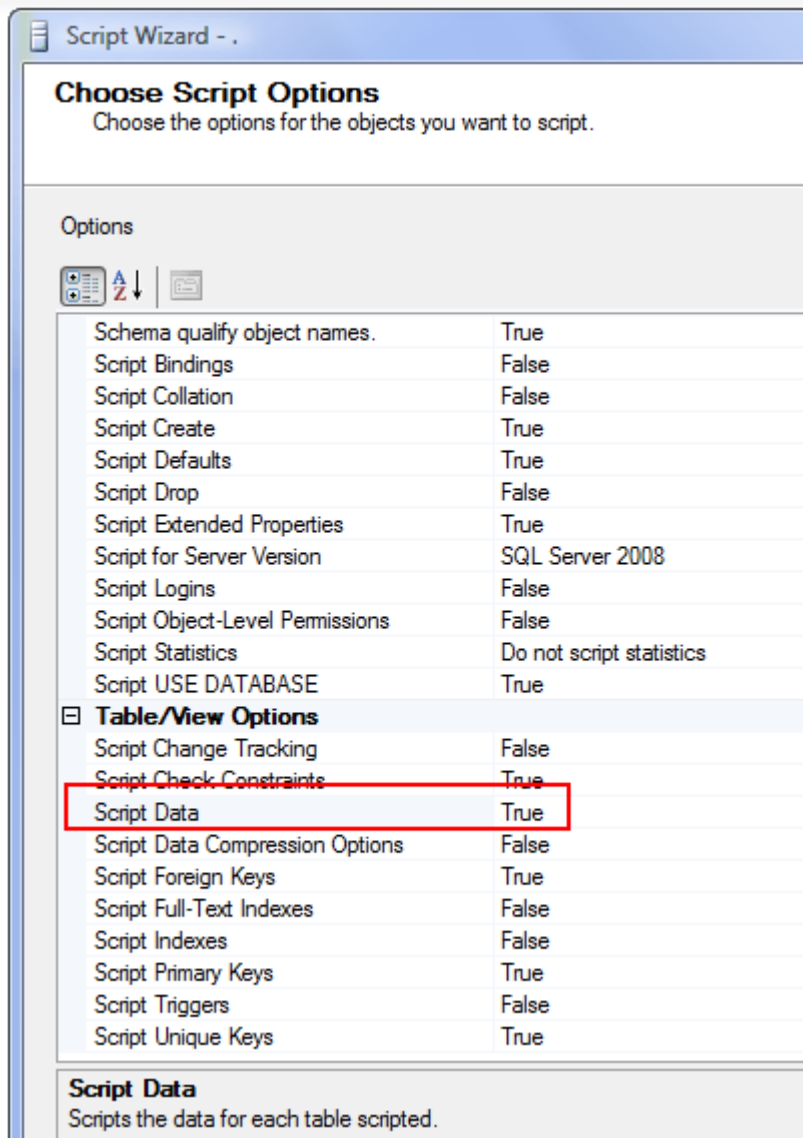
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2008 R2 or later eg 2012

Select "Types of Data to Script" which can be "Data Only" "Schema and Data" or "Schema Only" - the default)

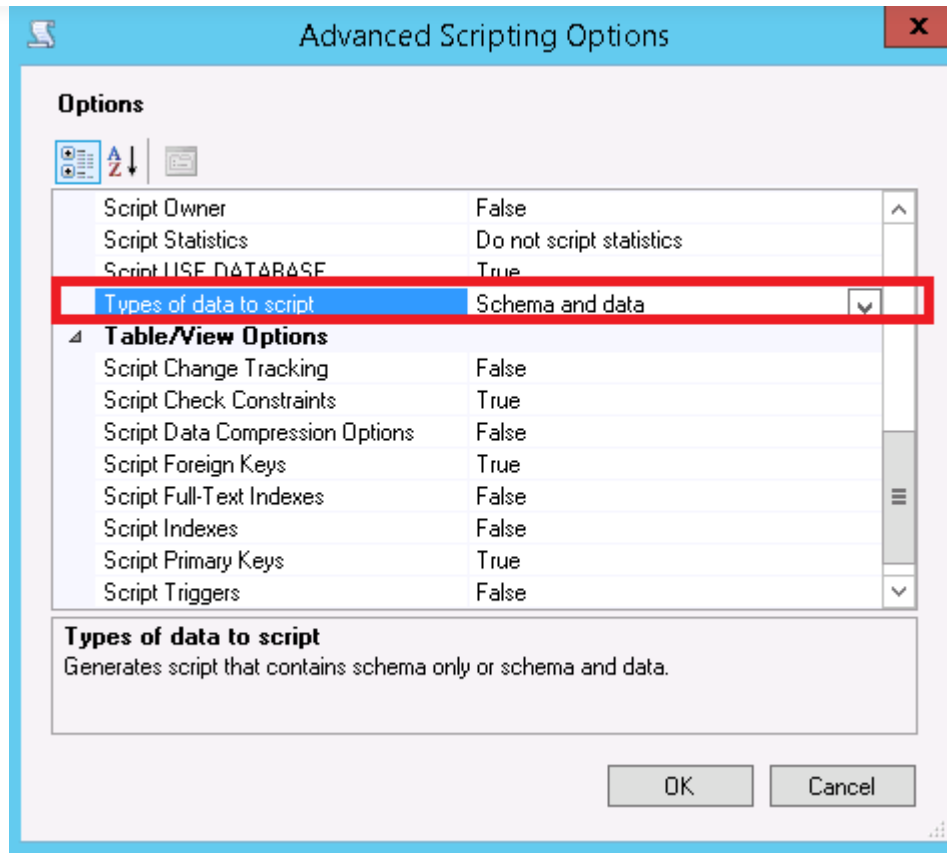
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And then there's a "[SSMS Addin](#)" Package on Codeplex (including source) which promises pretty much the same functionality and a few more (like quick find etc.)

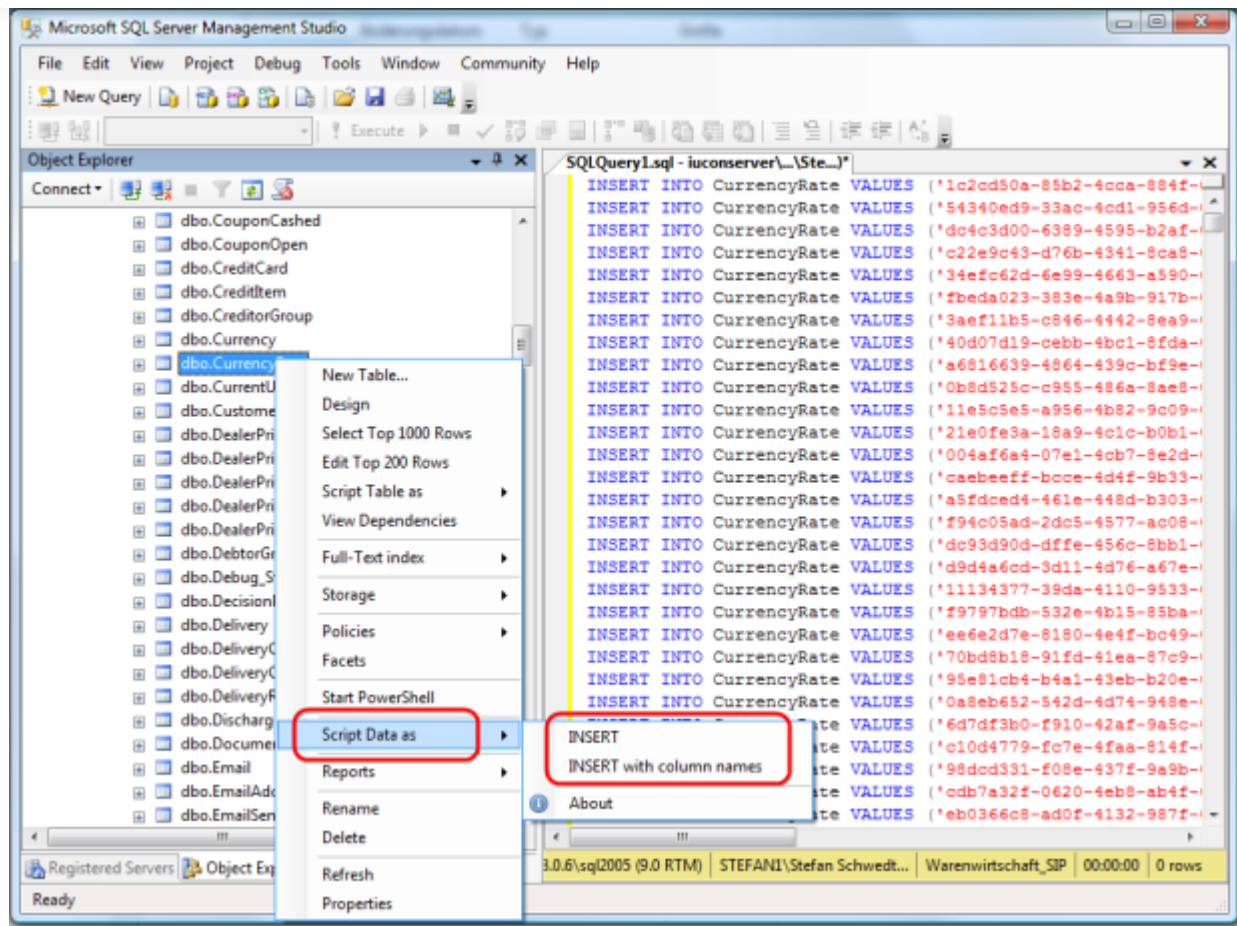
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edited Dec 19 '17 at 14:34



CJM

9,374

19

69

112

answered Oct 4 '09 at 9:02



marc_s

598k

135

1148

1284

I just installed the addin from Codeplex. Nice. Thanks for the info. – [Rob Garrison](#) Oct 5 '09 at 17:27

1 SMSS Add In worked for me in 2008. Data Scriptor Add In didn't. – [Phil Hale](#) Dec 13 '10 at 9:45

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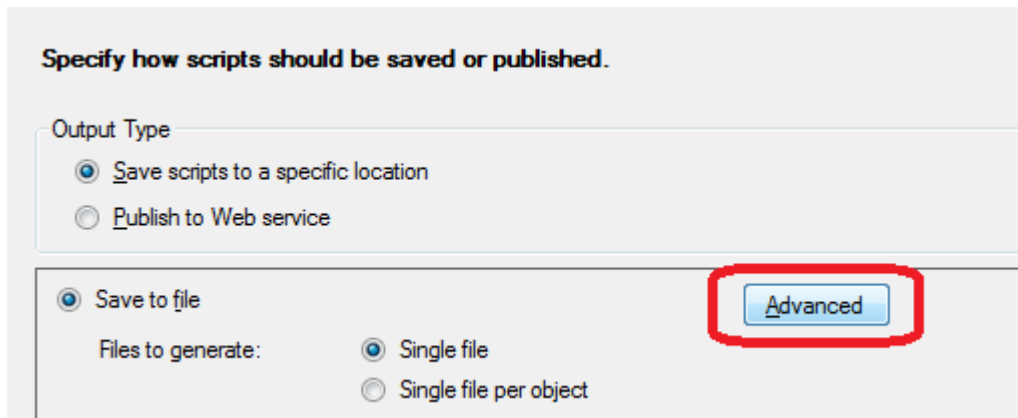
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For the sake of over-explicit brainlessness, after following [marc_s' instructions to here](#)...

107 In SSMS in the Object Explorer, right click on the database right-click and pick "Tasks" and then "Generate Scripts".

... I then see a wizard screen with **"Introduction, Choose Objects, Set Scripting Options, Summary, and Save or Publish Scripts"** with prev, next, finish, cancel buttons at the bottom.

On the **Set Scripting Options step**, you have to **click "Advanced"** to get the page with the options. Then, as [Ghlouw](#) has mentioned, you now select "Types of data to script" and profit.



edited May 23 '17 at 12:18



Community ♦

1 1

answered Oct 23 '12 at 14:08



ruffin

9,875 5 56 101

12 Thanks, this button has not very intuitive placement. I supposed that it belongs to "Save to file". – [Karel Kral](#) Sep 20 '16 at 9:50

If you use it SQL Server 2008R2 you need to set Types of data to script field

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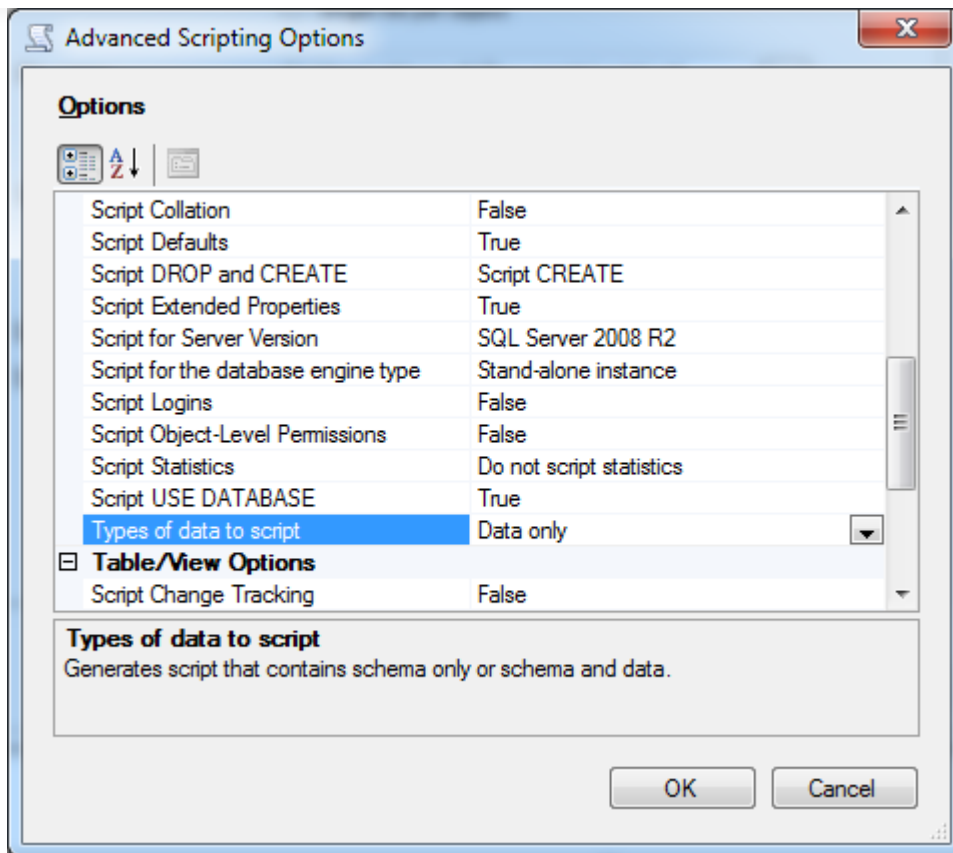
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answered May 29 '13 at 2:01



[Azadeh Khojandi](#)

2,152 21 28

2 Also applies to 2012. – [OldCurmudgeon](#) Feb 17 '14 at 16:16

1 Also applies to 2014. – [NucS](#) Sep 28 '15 at 11:04

2 If you are confused like me the "Types of data to script" option is visible only in the "Advanced" options of the "Generate Scripts..." wizard - you don't find it in the main options dialog! – [Etherman](#) Dec 8 '16 at 12:34

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answered Aug 2 '11 at 8:09



Ghluuw

1,290 15 19

For those looking for a command-line version, Microsoft [released mssql-scripter](#) to do this:

5

```
$ pip install mssql-scripter
```

```
# Generate DDL scripts for all database objects and DML scripts (INSERT statements)
# for all tables in the Adventureworks database and save the script files in
# the current directory
$ mssql-scripter -S localhost -d AdventureWorks -U sa --schema-and-data \
  -f './' --file-per-object
```

edited Jan 10 '18 at 22:10

answered Oct 17 '17 at 0:08



Nickolay

22.2k 6 68 135

It appears that mssql-scripter is a dead project now. – Alex Suzuki Jun 17 at 15:50

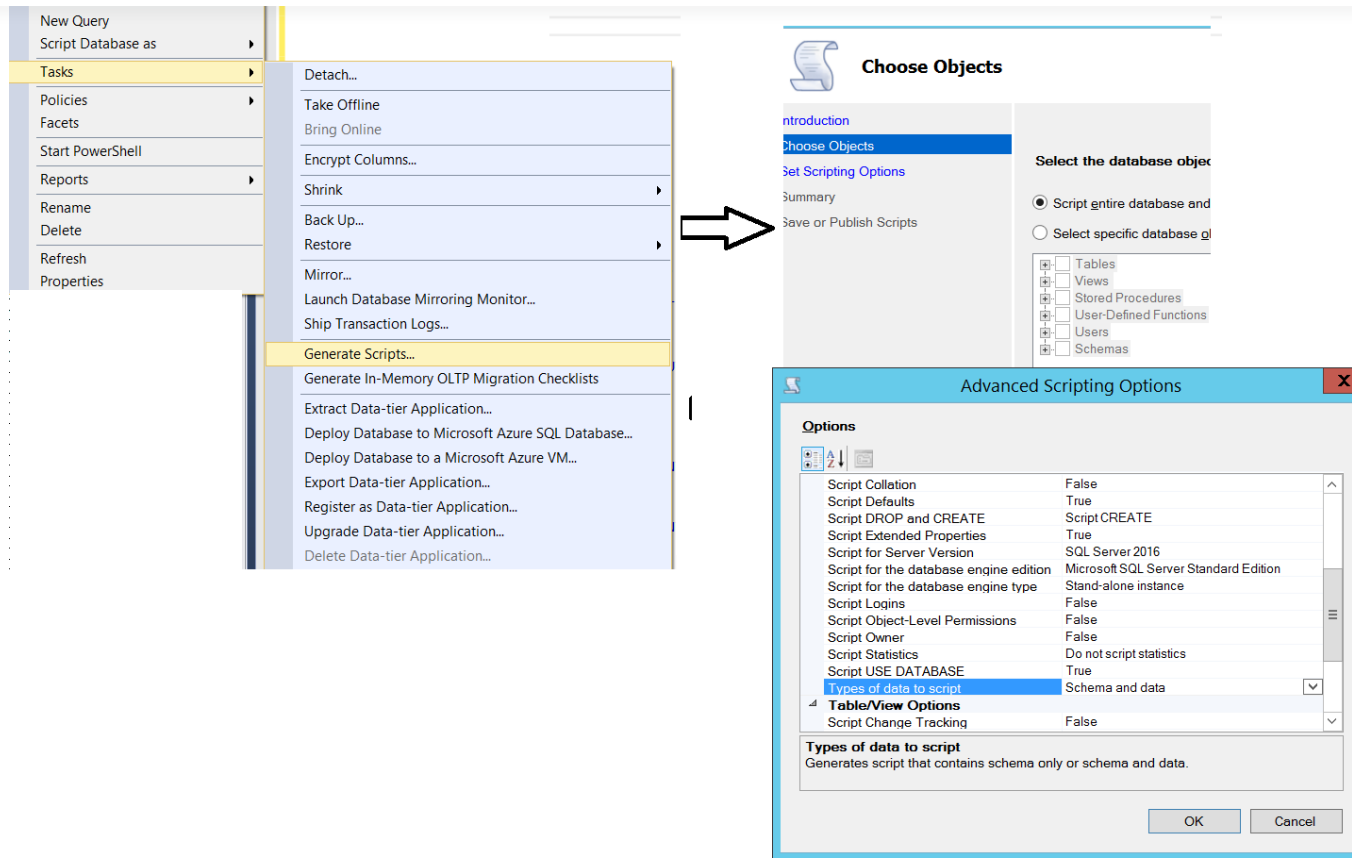
True, no development happened in the last year, but it works fine for me. – Nickolay Jun 17 at 23:08

for SQL server Mng Studio 2016:

3

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answered Jun 28 '18 at 12:26



ingconti

6,599 1 36 29

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Their features list:

- It was developed on SSMS 2008 and is not supported on the 2005 version at this time (soon!)
- Export data quickly to T-SQL for MSSQL and MySQL syntax
- CSV, TXT, XML are also supported! Harness the full potential, power, and speed that SQL has to offer.
- Don't wait for Access or Excel to do scripting work for you that could take several minutes to do -- let SQL Server do it for you and take all the guess work out of exporting your data!
- Customize your data output for rapid backups, DDL manipulation, and more...
- Change table names and database schemas to your needs, quickly and efficiently
- Export column names or simply generate data without the names.
- You can chose individual columns to script.
- You can chose sub-sets of data (WHERE clause).
- You can chose ordering of data (ORDER BY clause).
- Great backup utility for those grungy database debugging operations that require data manipulation. Don't lose data while experimenting. Manipulate data on the fly!

edited Apr 22 '12 at 5:06



Dougal

24k 3 76 106

answered Apr 22 '12 at 1:51



Nate

31 1

2 This link mssql-vehicle-data.com/SSMS is broken (not found page). – [nick_n_a](#) Jun 29 '16 at 10:51

All the above is nice, but if you need to

2

1. Export data from multiple views and tables with joins
2. Create insert statements for different RDBMSs
3. Migrate data from any RDBMS to any RDBMS

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Finally, create the insert statements (and any other statements) for the destination database by running an sql script on the source database. e.g.

```
SELECT '-- SET the correct schema' FROM dual;
SELECT 'USE test;' FROM dual;
SELECT '-- DROP TABLE IF EXISTS' FROM dual;
SELECT 'IF OBJECT_ID(''table3'', 'U') IS NOT NULL DROP TABLE dbo.table3;' FROM dual;
SELECT '-- create the table' FROM dual;
SELECT 'CREATE TABLE table3 (column1 VARCHAR(10), column2 VARCHAR(10));' FROM dual;

SELECT 'INSERT INTO table3 (column1, column2) VALUES (''', table1.column1, ''', ''',
table2.column2, ''');' FROM table1 JOIN table2 ON table2.COLUMN1 = table1.COLUMN1;
```

The above example was created for Oracle's db where the use of dual is needed for table-less selects.

The result set will contain the script for the destination db.

edited Jul 10 '15 at 11:54

answered Jul 6 '15 at 11:11



Alékos

3,583

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15

17

Here is an example of creating a data migration script using a cursor to iterate the source table.

1

```
SET NOCOUNT ON;
DECLARE @out nvarchar(max) = ''
DECLARE @row nvarchar(1024)
DECLARE @first int = 1

DECLARE cur CURSOR FOR
    SELECT '(' + CONVERT(CHAR(1),[Stage]) + ', ' + [Label] + ') '
    FROM CV_ORDER_STATUS
    ORDER BY [Stage]

PRINT 'SET IDENTITY_INSERT dbo.CV_ORDER_STATUS ON'
PRINT 'GO'
```

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```
WHILE @@FETCH_STATUS = 0
BEGIN
    IF @first = 1
        SET @first = 0
    ELSE
        SET @out = @out + ',' + CHAR(13);

    SET @out = @out + @row

    FETCH NEXT FROM cur INTO @row
END

CLOSE cur
DEALLOCATE cur

PRINT @out

PRINT 'SET IDENTITY_INSERT dbo.CV_ORDER_STATUS OFF'
PRINT 'GO'
```

answered Sep 9 '16 at 20:23

**Shane****3,248** 26 29

After search a lot, it was my best shot:

0

If you have a lot of data and needs a compact and elegant script, try it: [SSMS Tools Pack](#)

It generates a union all select statements to insert items into target tables and handle transactions pretty well.

[Screenshot](#)

edited Mar 22 '18 at 16:08

answered Mar 22 '18 at 14:29

**Vinicius Gonçalves****1,048** 1 13 33

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