

How to Dump Data to Text Files in SSMS

INPUT

Data



PROCESS

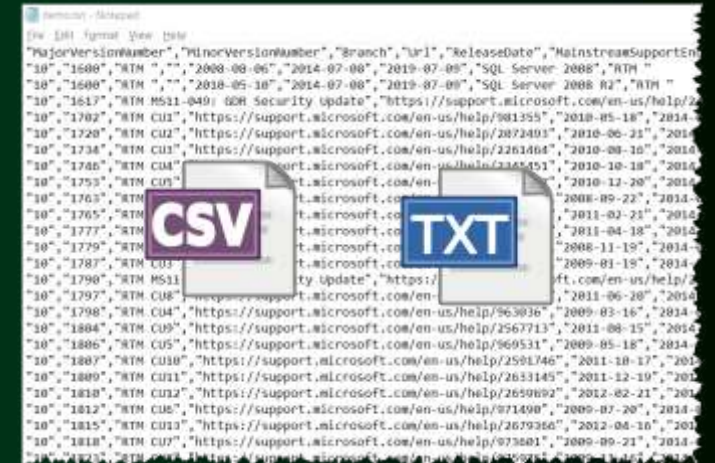
Export or Query



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OUTPUT

CSV, TAB, TXT, ... - File



How to Dump Data to Text Files in SSMS

Quick Trainer Series



How to Dump Data to Text Files in SSMS

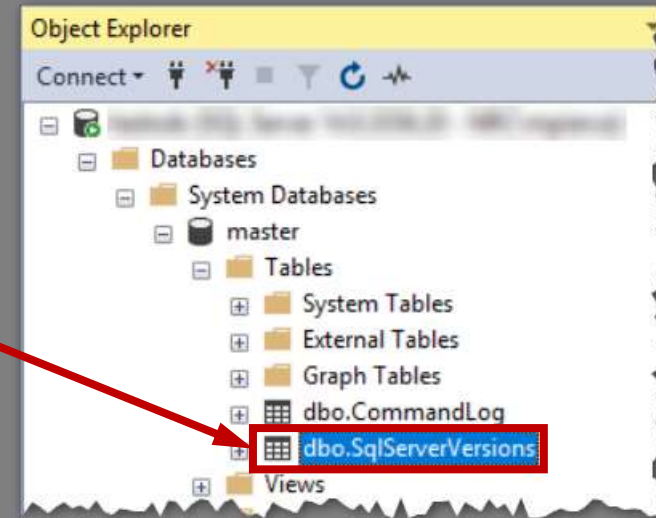
- **What are the Inputs?**
- What are the Outputs?
- How to Export a Table to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
- How to Save Query Results to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
 - Delimited File: Comma with Forced Quotes



What are the Inputs?

Two Input Styles:

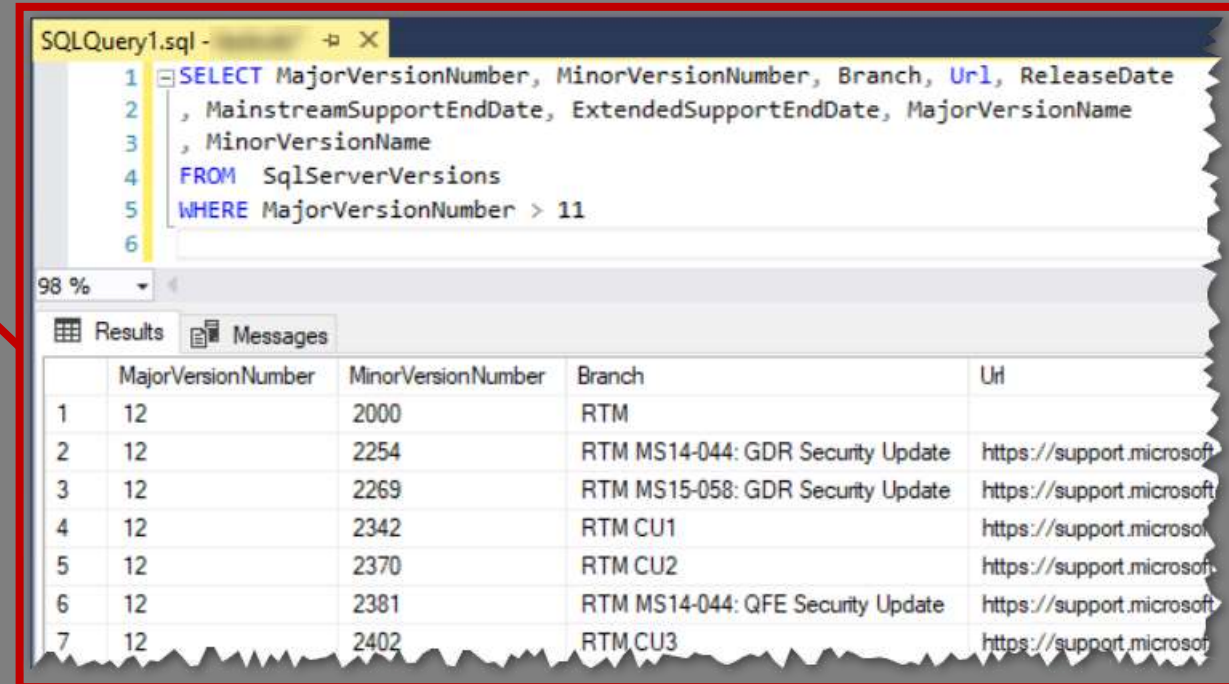
1. Table (for Export)



What are the Inputs?

Two Input Styles:

1. Table (for Export)
2. SQL Query (for Save Results)



The screenshot shows a SQL query editor window titled "SQLQuery1.sql". The query is as follows:

```
1 SELECT MajorVersionNumber, MinorVersionNumber, Branch, Url, ReleaseDate
2 , MainstreamSupportEndDate, ExtendedSupportEndDate, MajorVersionName
3 , MinorVersionName
4 FROM SqlServerVersions
5 WHERE MajorVersionNumber > 11
6
```

Below the query editor, there is a "Results" tab showing the output of the query. The results are displayed in a table with the following columns: MajorVersionNumber, MinorVersionNumber, Branch, and Url. The table contains 7 rows of data.

	MajorVersionNumber	MinorVersionNumber	Branch	Url
1	12	2000	RTM	
2	12	2254	RTM MS14-044: GDR Security Update	https://support.microsoft.com
3	12	2269	RTM MS15-058: GDR Security Update	https://support.microsoft.com
4	12	2342	RTM CU1	https://support.microsoft.com
5	12	2370	RTM CU2	https://support.microsoft.com
6	12	2381	RTM MS14-044: QFE Security Update	https://support.microsoft.com
7	12	2402	RTM CU3	https://support.microsoft.com

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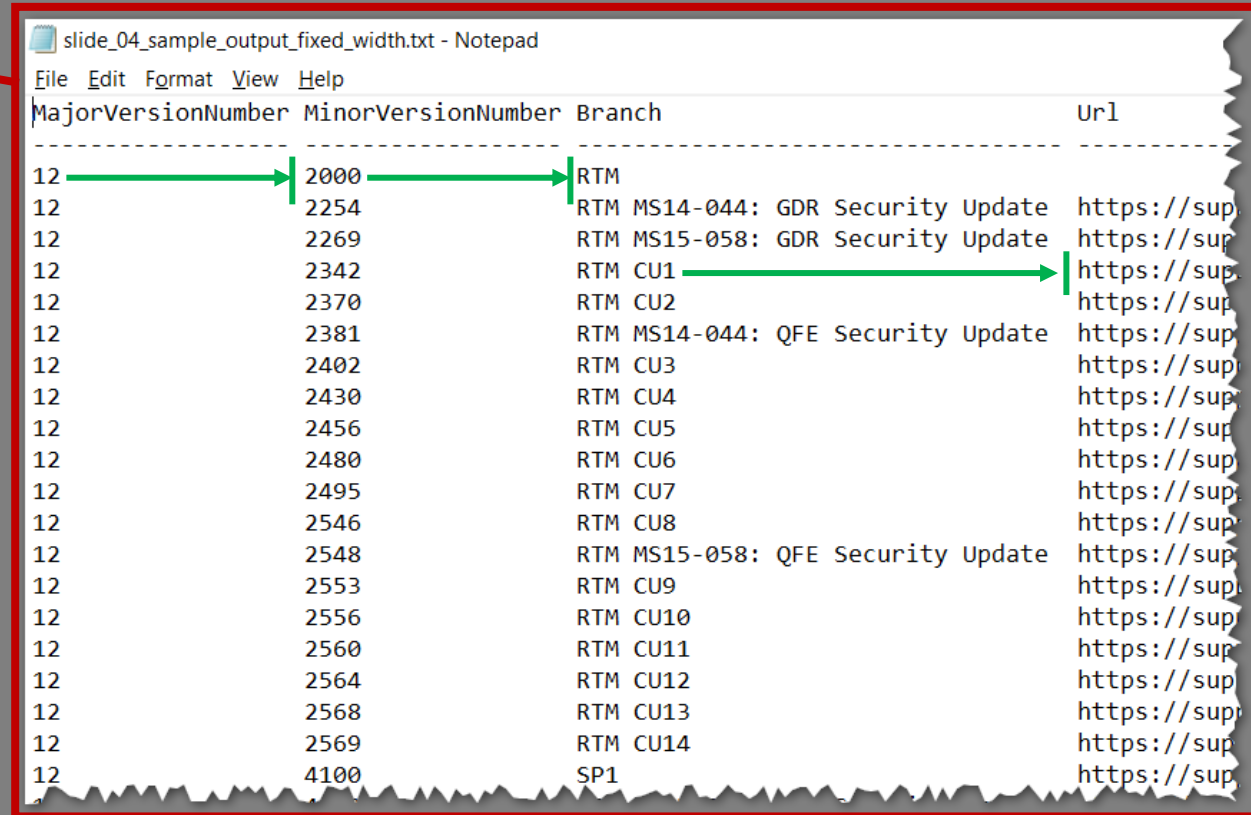


What are the Outputs?

There are at least Three Types:

1. Fixed Width "TXT" File

- Notice Column Values Aligned
- Notice Lots of White Space



MajorVersionNumber	MinorVersionNumber	Branch	Url
12	2000	RTM	
12	2254	RTM MS14-044: GDR Security Update	https://sup
12	2269	RTM MS15-058: GDR Security Update	https://sup
12	2342	RTM CU1	https://sup
12	2370	RTM CU2	https://sup
12	2381	RTM MS14-044: QFE Security Update	https://sup
12	2402	RTM CU3	https://sup
12	2430	RTM CU4	https://sup
12	2456	RTM CU5	https://sup
12	2480	RTM CU6	https://sup
12	2495	RTM CU7	https://sup
12	2546	RTM CU8	https://sup
12	2548	RTM MS15-058: QFE Security Update	https://sup
12	2553	RTM CU9	https://sup
12	2556	RTM CU10	https://sup
12	2560	RTM CU11	https://sup
12	2564	RTM CU12	https://sup
12	2568	RTM CU13	https://sup
12	2569	RTM CU14	https://sup
12	4100	SP1	https://sup

What are the Outputs?

There are at least Three Types:

1. Fixed Width "TXT" File
2. Tab- or Pipe-Delimited "TXT" File
 - Notice Tab Char Separators Top File
 - Notice Pipe Char Separators Bottom File

slide_05_sample_output_tab_delim.txt - Notepad

MajorVersionNumber	MinorVersionNumber	Branch	Url	ReleaseDate	MainstreamSupportEndDate
12	2000	RTM		2014-04-01	2016-07-12
12	2254	RTM	MS14-044: GDR Security Update	https://support.microsoft.com/en-us/help/2931693	2014-04-21
12	2269	RTM	MS15-058: GDR Security Update	https://support.microsoft.com/en-us/help/2967546	2014-06-27
12	2342	RTM	CU1	https://support.microsoft.com/en-us/help/2984923	2014-08-18
12	2370	RTM	CU2	https://support.microsoft.com/en-us/help/2999197	2014-10-21
12	2381	RTM	MS14-044: QFE Security Update	https://support.microsoft.com/en-us/help/3011055	2014-12-17
12	2402	RTM	CU3	https://support.microsoft.com/en-us/help/3031047	2015-02-16
12	2430	RTM	CU4	https://support.microsoft.com/en-us/help/3046038	2015-04-20
12	2456	RTM	CU5	https://support.microsoft.com/en-us/help/3067836	2015-06-19
12	2480	RTM	CU6	https://support.microsoft.com/en-us/help/3075949	2015-08-17
12	2495	RTM	CU7	https://support.microsoft.com/en-us/help/3094220	2015-10-19
12	2546	RTM	CU8	https://support.microsoft.com/en-us/help/3106659	2015-12-21
12	2548	RTM	MS15-058: QFE Security Update	https://support.microsoft.com/en-us/help/3130923	2016-02-22
12	2553	RTM	CU9	https://support.microsoft.com/en-us/help/3144517	2016-04-18
12	2556	RTM	CU10	https://support.microsoft.com/en-us/help/3158271	2016-06-20
12	2560	RTM	CU11	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	2564	RTM	CU12	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	2568	RTM	CU13	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	2569	RTM	CU14	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	4100	SP1		https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	4213	SP1	MS15-058: GDR Security Update	https://support.microsoft.com/en-us/help/3058865	2015-05-04

slide_05_sample_output_pipe_delim.txt - Notepad

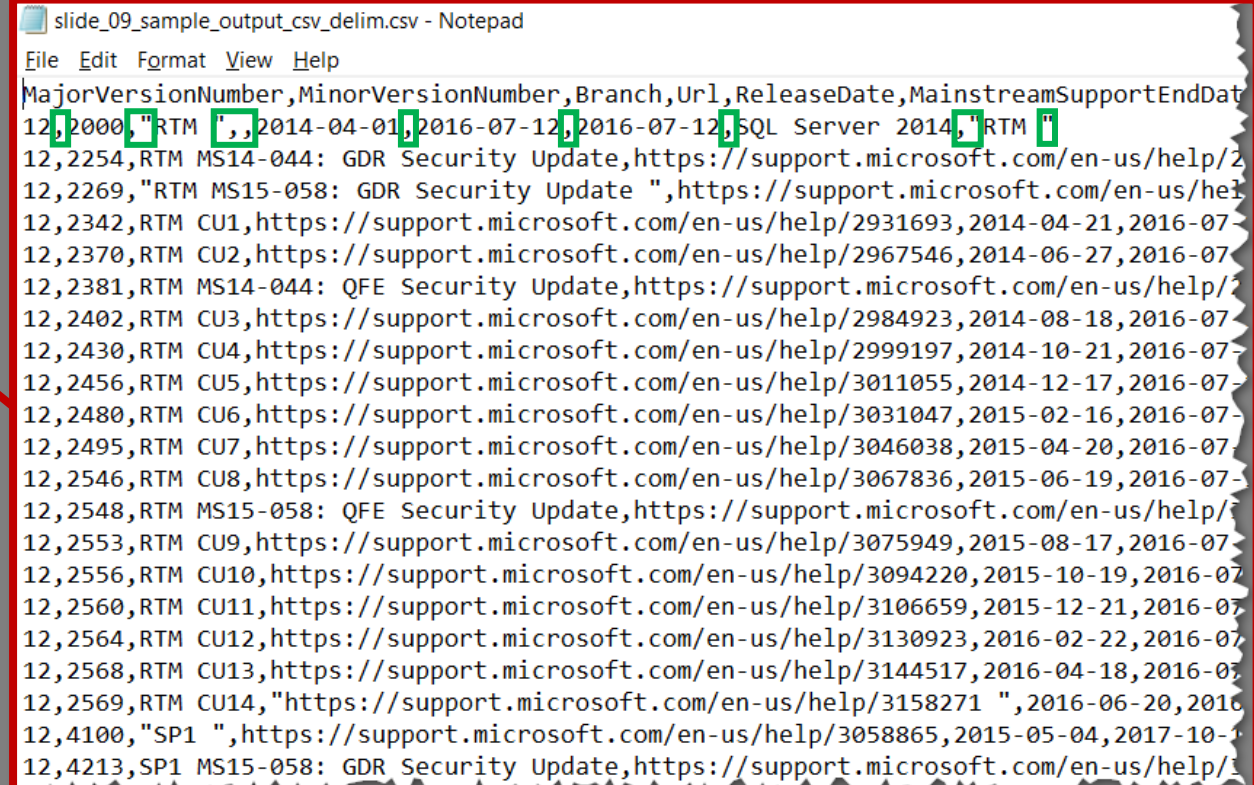
MajorVersionNumber	MinorVersionNumber	Branch	Url	ReleaseDate	MainstreamSupportEndDate
12	2000	RTM		2014-04-01	2016-07-12
12	2254	RTM	MS14-044: GDR Security Update	https://support.microsoft.com/en-us/help/2931693	2014-04-21
12	2269	RTM	MS15-058: GDR Security Update	https://support.microsoft.com/en-us/help/2967546	2014-06-27
12	2342	RTM	CU1	https://support.microsoft.com/en-us/help/2984923	2014-08-18
12	2370	RTM	CU2	https://support.microsoft.com/en-us/help/2999197	2014-10-21
12	2381	RTM	MS14-044: QFE Security Update	https://support.microsoft.com/en-us/help/3011055	2014-12-17
12	2402	RTM	CU3	https://support.microsoft.com/en-us/help/3031047	2015-02-16
12	2430	RTM	CU4	https://support.microsoft.com/en-us/help/3046038	2015-04-20
12	2456	RTM	CU5	https://support.microsoft.com/en-us/help/3067836	2015-06-19
12	2480	RTM	CU6	https://support.microsoft.com/en-us/help/3075949	2015-08-17
12	2495	RTM	CU7	https://support.microsoft.com/en-us/help/3094220	2015-10-19
12	2546	RTM	CU8	https://support.microsoft.com/en-us/help/3106659	2015-12-21
12	2548	RTM	MS15-058: QFE Security Update	https://support.microsoft.com/en-us/help/3130923	2016-02-22
12	2553	RTM	CU9	https://support.microsoft.com/en-us/help/3144517	2016-04-18
12	2556	RTM	CU10	https://support.microsoft.com/en-us/help/3158271	2016-06-20
12	2560	RTM	CU11	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	2564	RTM	CU12	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	2568	RTM	CU13	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	2569	RTM	CU14	https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	4100	SP1		https://support.microsoft.com/en-us/help/3058865	2015-05-04
12	4213	SP1	MS15-058: GDR Security Update	https://support.microsoft.com/en-us/help/3058865	2015-05-04

What are the Outputs?

There are at least Three Types:

1. Fixed Width "TXT" File
2. Tab- or Pipe-Delimited "TXT" File
3. Comma Delimited "CSV" File

- Notice Comma Separators
- Notice Sporadic Quotes
- Note there are Ways to Force Quotes
 - Either around every column value
 - Or just around text column values



slide_09_sample_output_csv_delim.csv - Notepad

File Edit Format View Help

```
MajorVersionNumber,MinorVersionNumber,Branch,Url,ReleaseDate,MainstreamSupportEndDate
12,2000,"RTM",2014-04-01,2016-07-12,2016-07-12,SQL Server 2014,"RTM"
12,2254,RTM MS14-044: GDR Security Update,https://support.microsoft.com/en-us/help/2
12,2269,"RTM MS15-058: GDR Security Update ",https://support.microsoft.com/en-us/hel
12,2342,RTM CU1,https://support.microsoft.com/en-us/help/2931693,2014-04-21,2016-07-
12,2370,RTM CU2,https://support.microsoft.com/en-us/help/2967546,2014-06-27,2016-07-
12,2381,RTM MS14-044: QFE Security Update,https://support.microsoft.com/en-us/help/
12,2402,RTM CU3,https://support.microsoft.com/en-us/help/2984923,2014-08-18,2016-07-
12,2430,RTM CU4,https://support.microsoft.com/en-us/help/2999197,2014-10-21,2016-07-
12,2456,RTM CU5,https://support.microsoft.com/en-us/help/3011055,2014-12-17,2016-07-
12,2480,RTM CU6,https://support.microsoft.com/en-us/help/3031047,2015-02-16,2016-07-
12,2495,RTM CU7,https://support.microsoft.com/en-us/help/3046038,2015-04-20,2016-07-
12,2546,RTM CU8,https://support.microsoft.com/en-us/help/3067836,2015-06-19,2016-07-
12,2548,RTM MS15-058: QFE Security Update,https://support.microsoft.com/en-us/help/
12,2553,RTM CU9,https://support.microsoft.com/en-us/help/3075949,2015-08-17,2016-07-
12,2556,RTM CU10,https://support.microsoft.com/en-us/help/3094220,2015-10-19,2016-07-
12,2560,RTM CU11,https://support.microsoft.com/en-us/help/3106659,2015-12-21,2016-07-
12,2564,RTM CU12,https://support.microsoft.com/en-us/help/3130923,2016-02-22,2016-07-
12,2568,RTM CU13,https://support.microsoft.com/en-us/help/3144517,2016-04-18,2016-07-
12,2569,RTM CU14,"https://support.microsoft.com/en-us/help/3158271 ",2016-06-20,2016-
12,4100,"SP1 ",https://support.microsoft.com/en-us/help/3058865,2015-05-04,2017-10-
12,4213,SP1 MS15-058: GDR Security Update,https://support.microsoft.com/en-us/help/
```

How to Dump Data to Text Files in SSMS

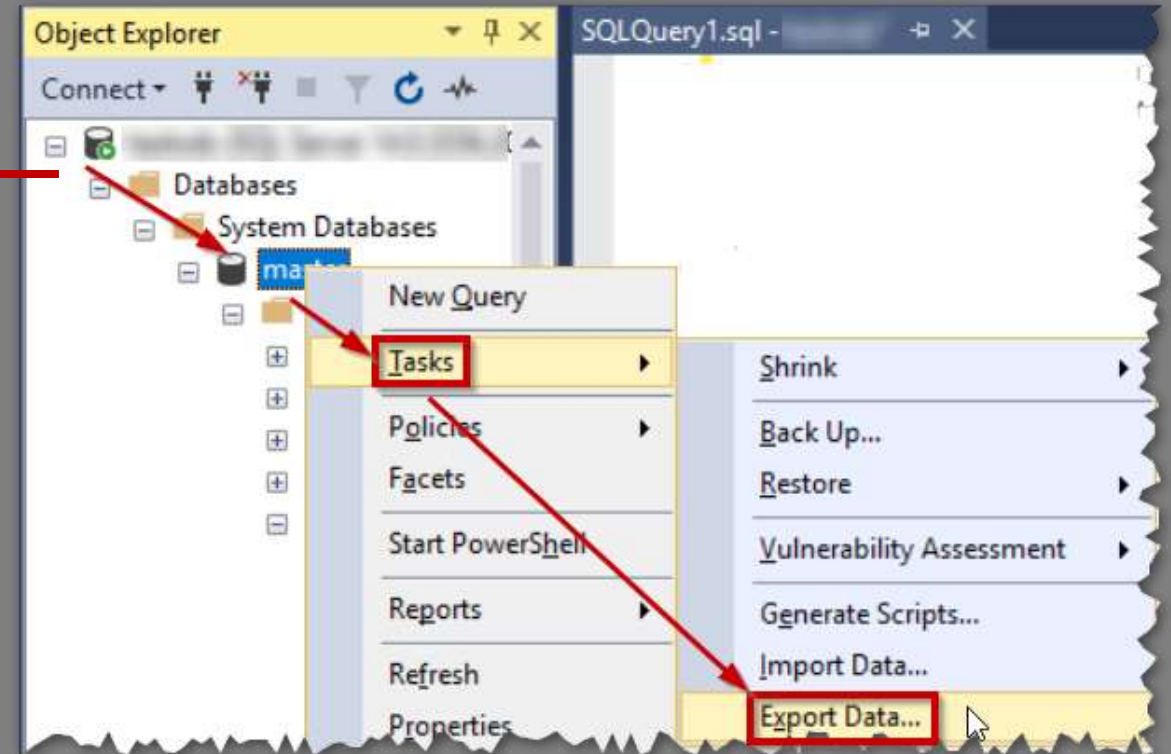
- What are the Inputs?
- What are the Outputs?
- How to **Export a Table** to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
- How to Save Query Results to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
 - Delimited File: Comma with Forced Quotes



How to Export Table to Fixed Width File

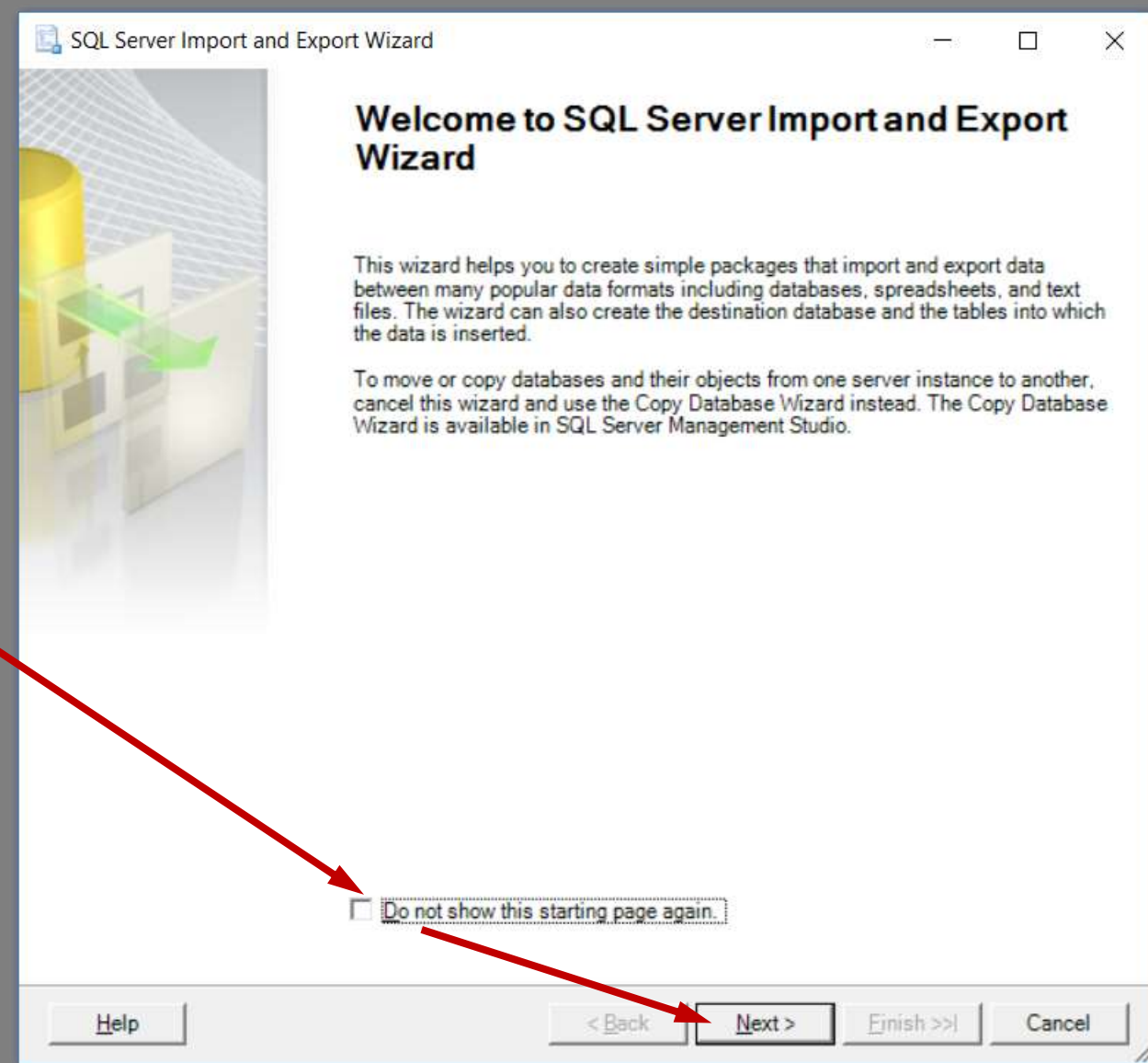
1. Open Script Dialog

- Right-click database
- Select Tasks
- Select Export Data



How to Export Table to Fixed Width File

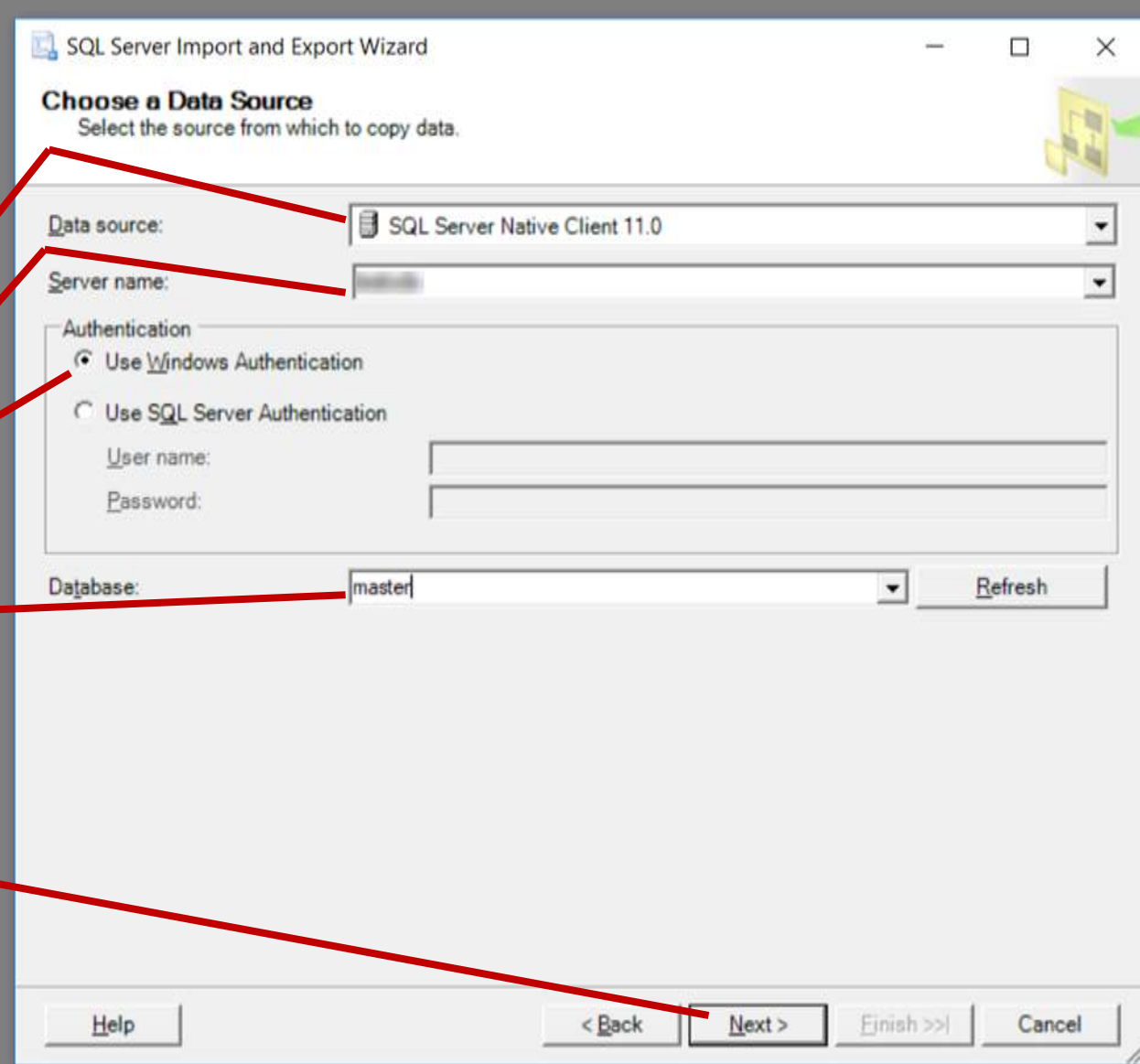
1. Open Script Dialog
2. Introduction
 - a. Read...
 - b. Tick “Do not show...”
 - c. Click Next



How to Export Table to Fixed Width File

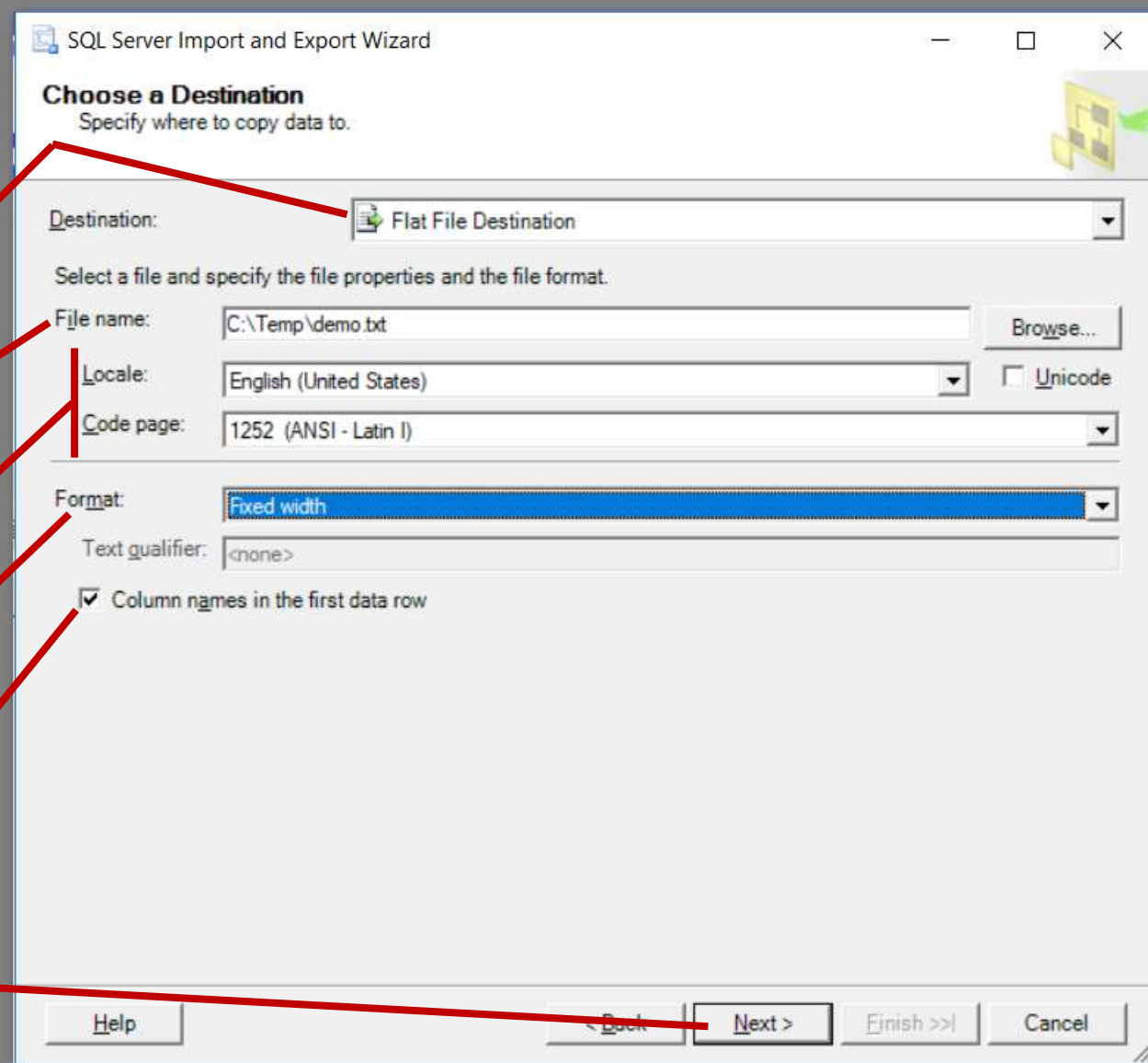
1. Open Script Dialog
2. Introduction
3. Choose Data Source
 - a. Select “SQL Server Native Client...”
 - b. Enter appropriate “Server Name”
 - c. Enter appropriate Authentication (“Use Windows Auth” in our demo)
 - d. Select Database (“Master” in our demo)
 - e. Click Next

Note: End of Common Steps (1-3)



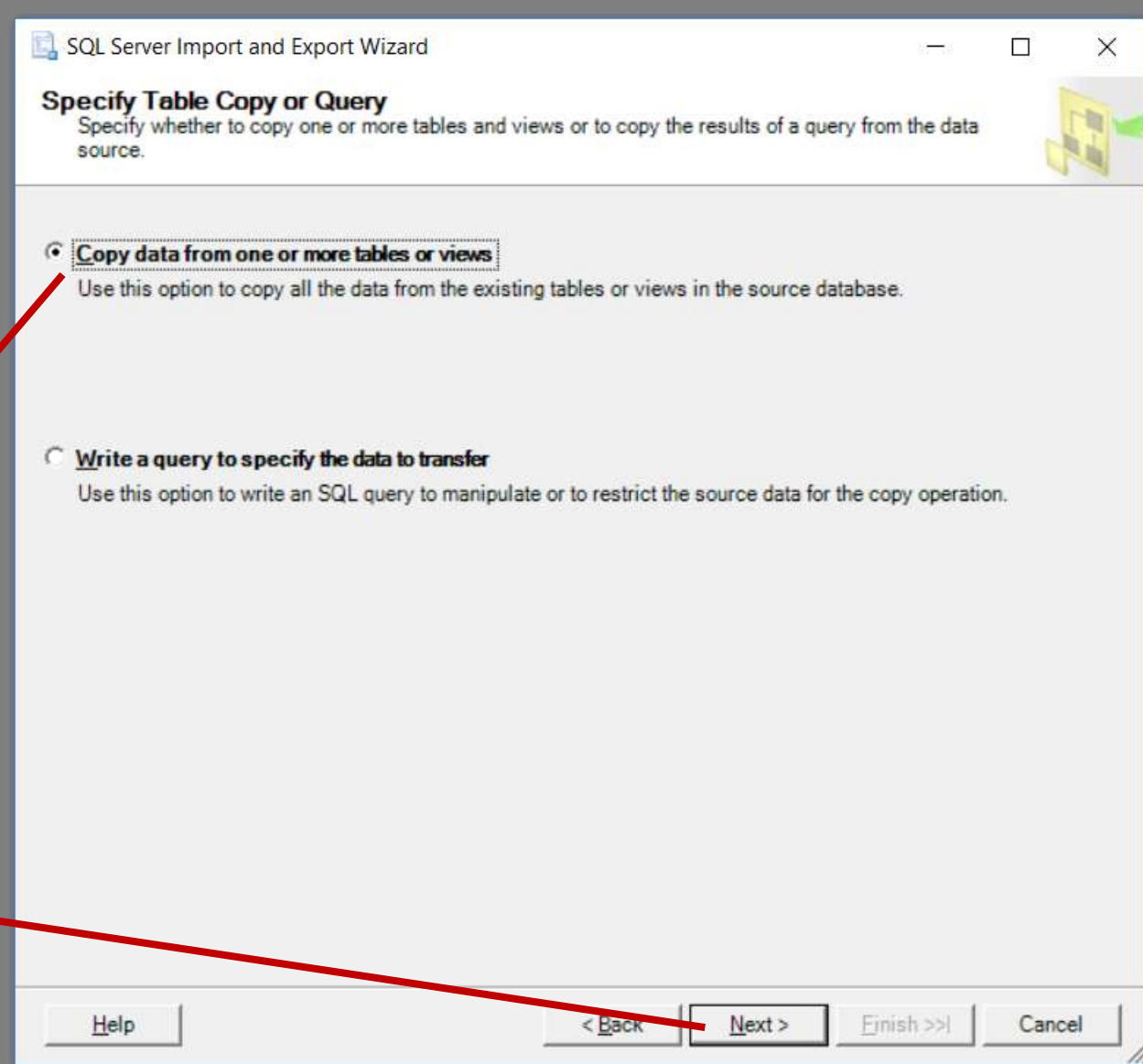
How to Export Table to Fixed Width File

1. Open Script Dialog
2. Introduction
3. Choose Data Source
4. Choose Destination
 - a. Select “Flat File Destination”
 - b. Enter “Filename” (browse to it)
 - ~~c. Change Locale and Set Unicode~~
 - ~~d. Change Code page~~
 - e. Select “Fixed width” for Format (“Master” in our demo)
 - f. Tick “Column Names in first row”
 - g. Click Next



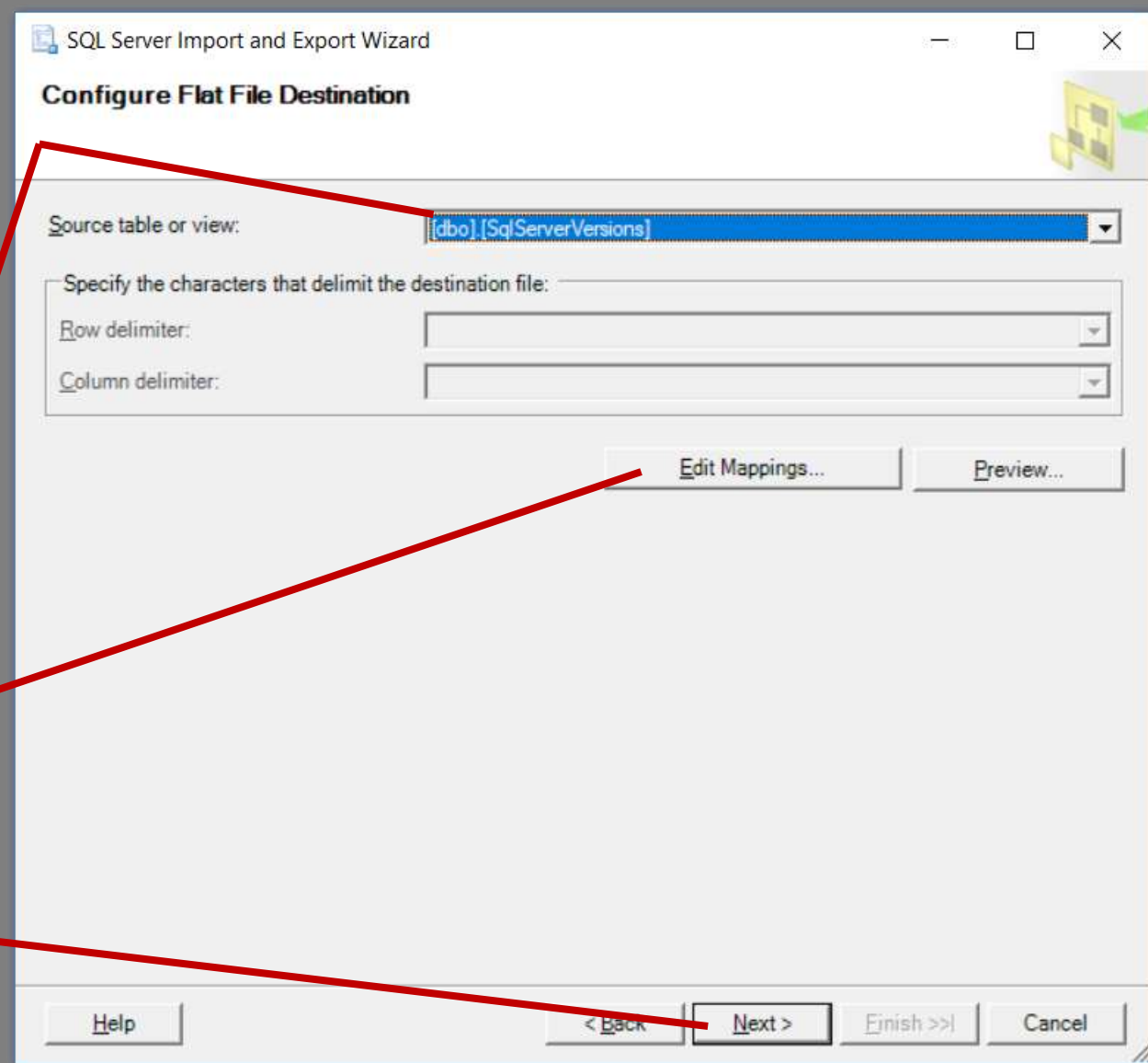
How to Export Table to Fixed Width File

1. Open Script Dialog
2. Introduction
3. Choose Data Source
4. Choose Destination
5. Specify Table Copy or Query
 - a. Select “Copy data from...table”
 - b. Alternatively, you can write a query in case need to join tables or filter rows
 - c. Click Next



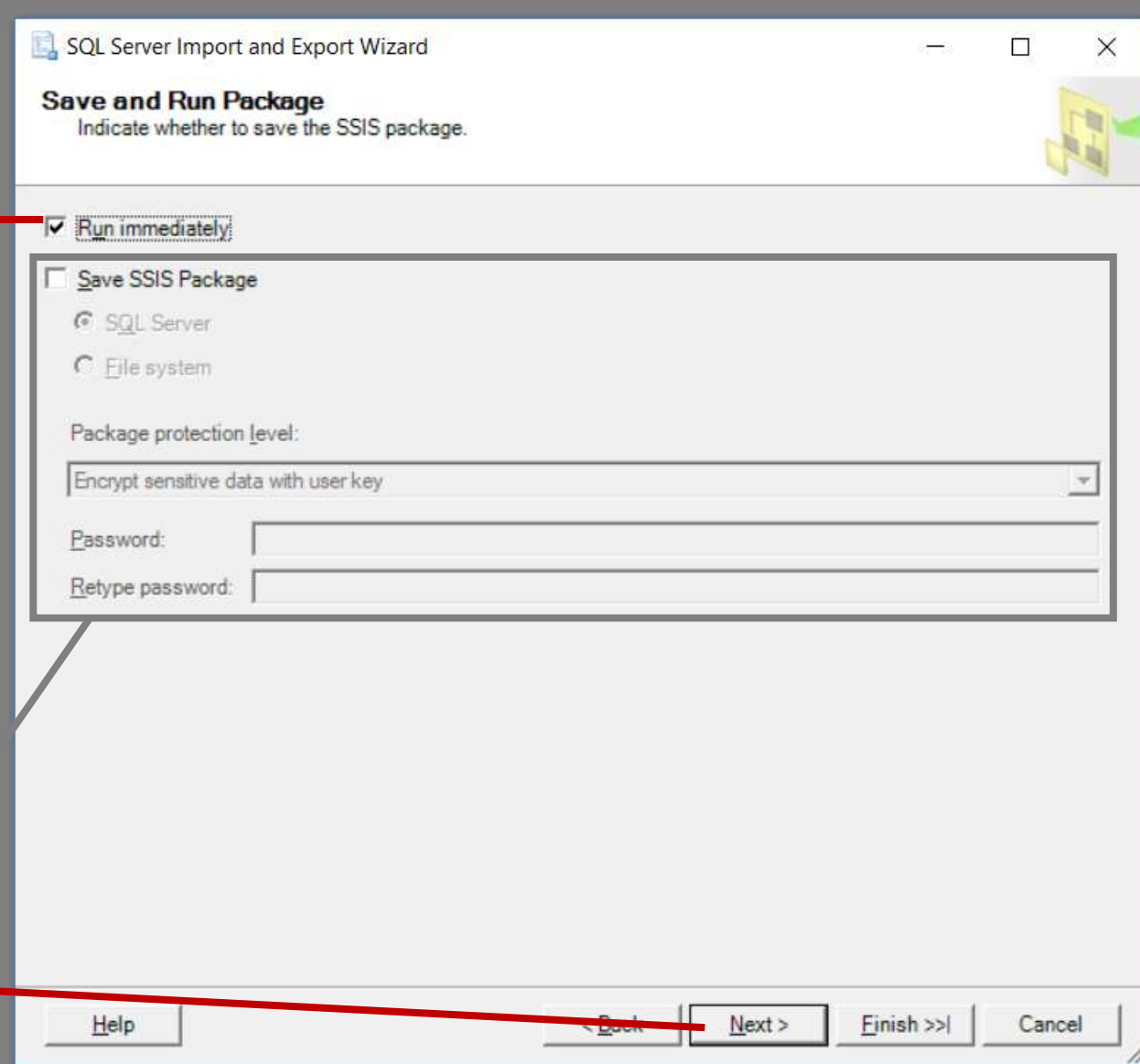
How to Export Table to Fixed Width File

1. Open Script Dialog
2. Introduction
3. Choose Data Source
4. Choose Destination
5. Specify Table Copy or Query
6. Pick Src Tbl + Delims + Mapping
 - a. Pick a table to export
 - b. Note: You can alter field mappings and data types
 - c. Click Next



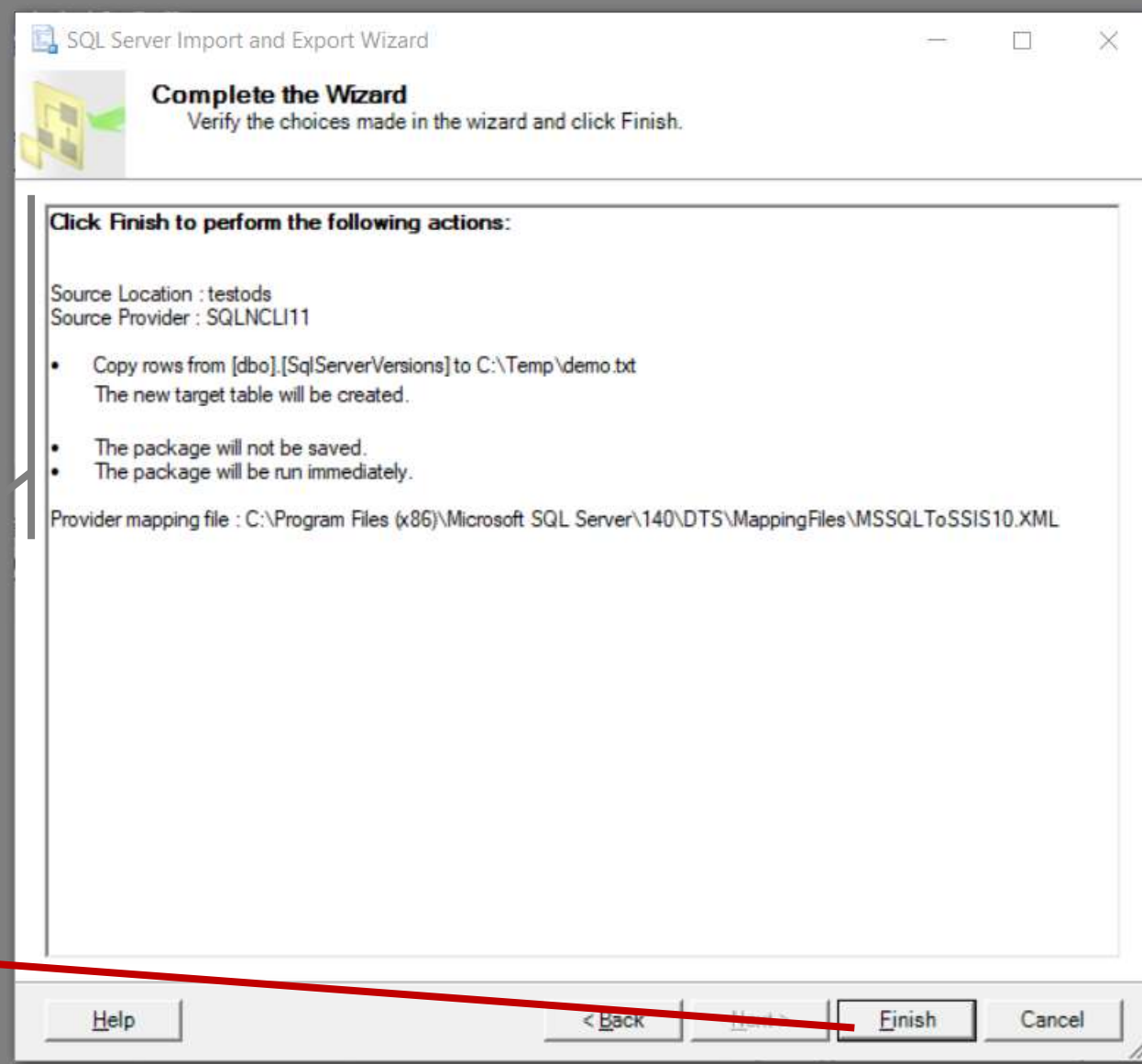
How to Export Table to Fixed Width File

1. Open Script Dialog
2. Introduction
3. Choose Data Source
4. Choose Destination
5. Specify Table Copy or Query
6. Pick Src Tbl + Delims + Mapping
7. Save and Run Package
 - a. Tick "Run immediately"
 - b. Note: You could save this as SSIS job in SSMS or to a file, pwd protect, etc.
 - c. Click Next



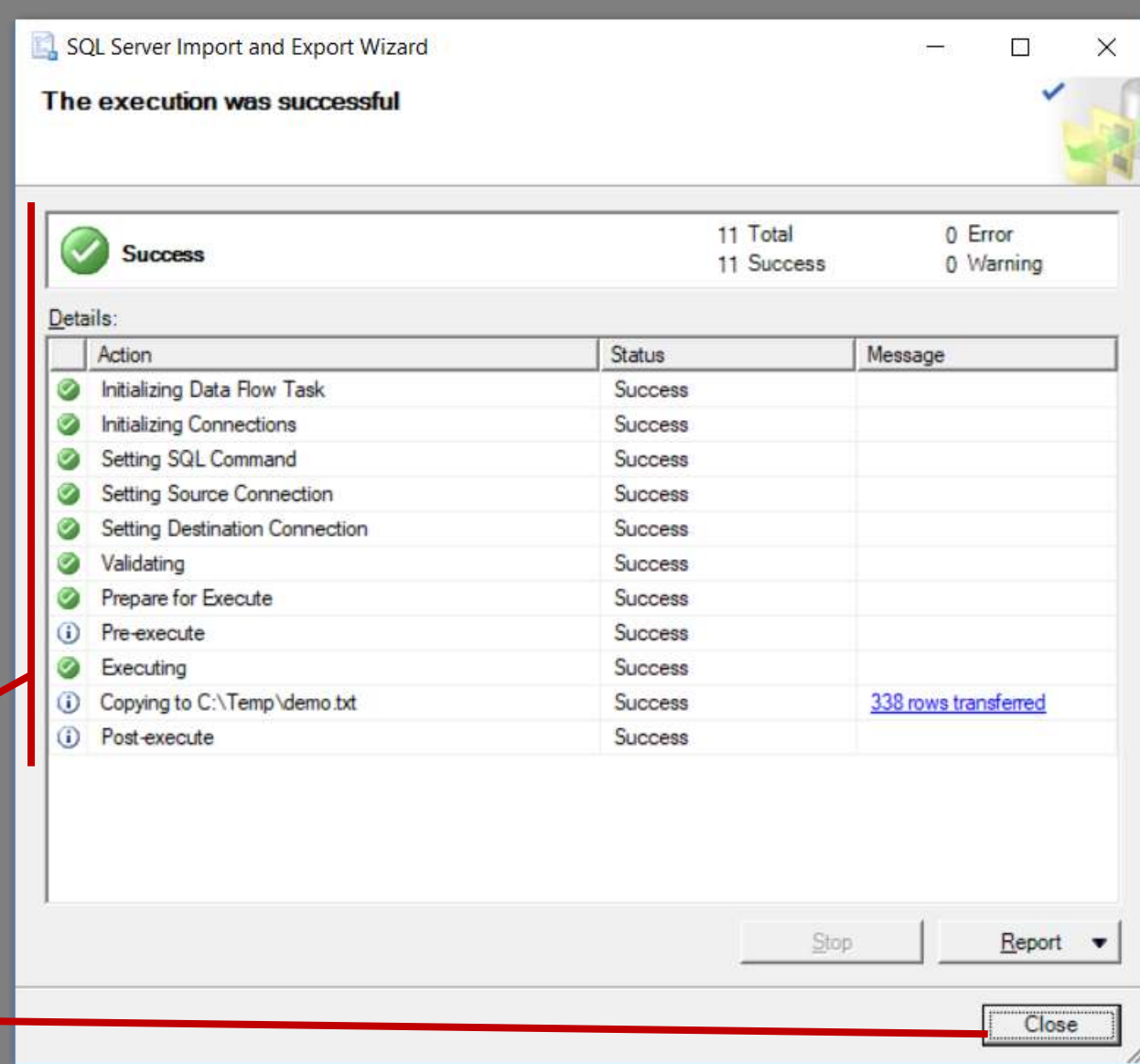
How to Export Table to Fixed Width File

1. Open Script Dialog
2. Introduction
3. Choose Data Source
4. Choose Destination
5. Specify Table Copy or Query
6. Pick Src Tbl + Delims + Mapping
7. Save and Run Package
8. Complete the Wizard
 - a. Skim read if desired
 - b. Click Finish



How to Export Table to Fixed Width File

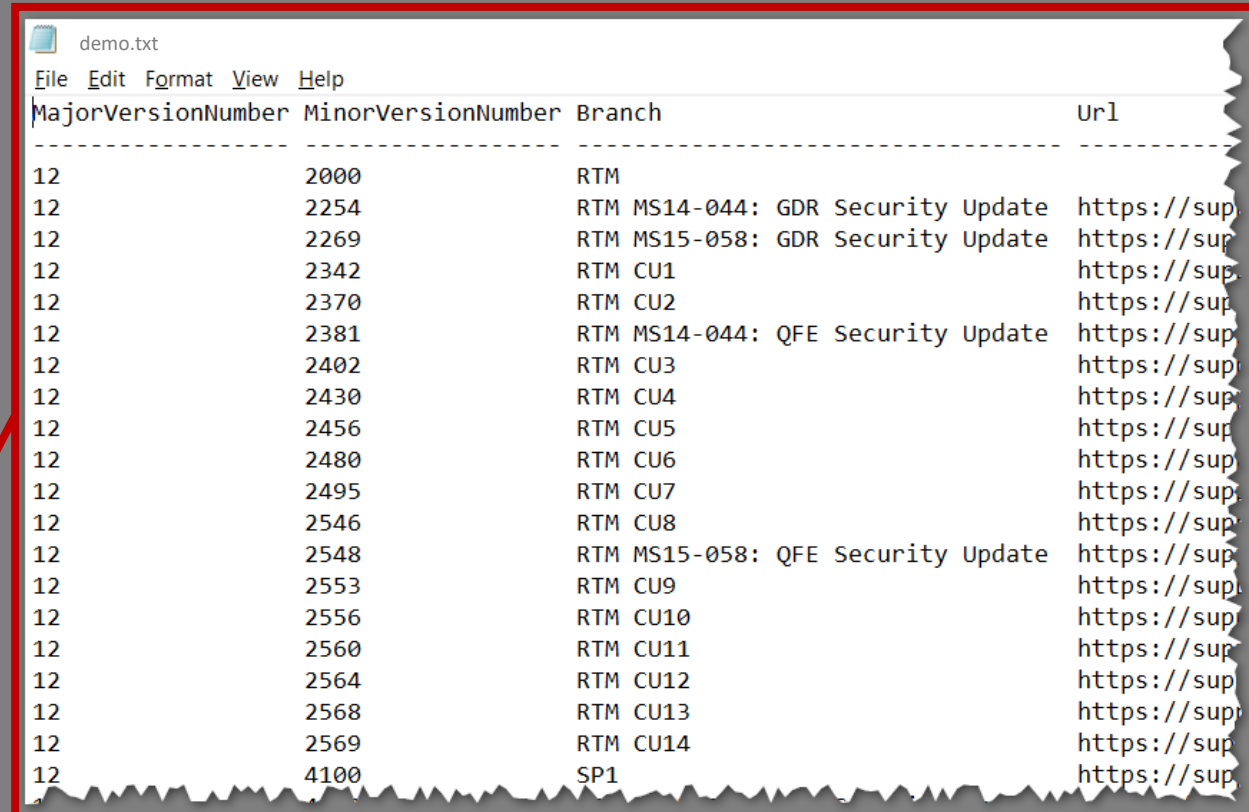
1. Open Script Dialog
2. Introduction
3. Choose Data Source
4. Choose Destination
5. Specify Table Copy or Query
6. Pick Src Tbl + Delims + Mapping
7. Save and Run Package
8. Complete the Wizard
9. Execution Status
 - a. Skim read if desired
 - b. Click Close



How to Export Table to Fixed Width File

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5. Specify Table Copy or Query
6. Pick Src Tbl + Delims + Mapping
7. Save and Run Package
8. Complete the Wizard
9. Execution Status

Output Fixed Width File Created



demo.txt

MajorVersionNumber	MinorVersionNumber	Branch	Url
12	2000	RTM	
12	2254	RTM MS14-044: GDR Security Update	https://sup
12	2269	RTM MS15-058: GDR Security Update	https://sup
12	2342	RTM CU1	https://sup
12	2370	RTM CU2	https://sup
12	2381	RTM MS14-044: QFE Security Update	https://sup
12	2402	RTM CU3	https://sup
12	2430	RTM CU4	https://sup
12	2456	RTM CU5	https://sup
12	2480	RTM CU6	https://sup
12	2495	RTM CU7	https://sup
12	2546	RTM CU8	https://sup
12	2548	RTM MS15-058: QFE Security Update	https://sup
12	2553	RTM CU9	https://sup
12	2556	RTM CU10	https://sup
12	2560	RTM CU11	https://sup
12	2564	RTM CU12	https://sup
12	2568	RTM CU13	https://sup
12	2569	RTM CU14	https://sup
12	4100	SP1	https://sup

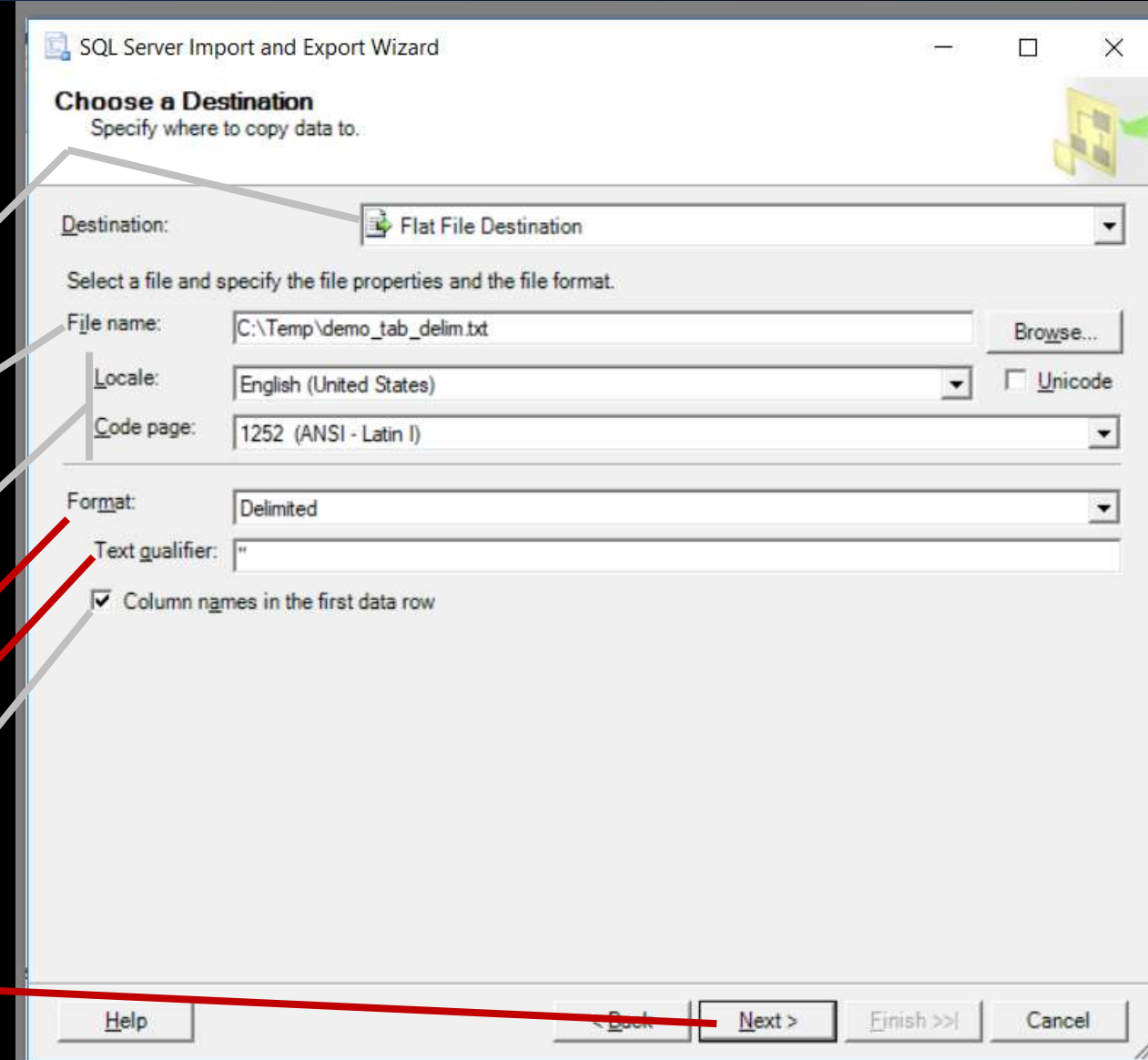
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- How to Save Query Results to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
 - Delimited File: Comma with Forced Quotes



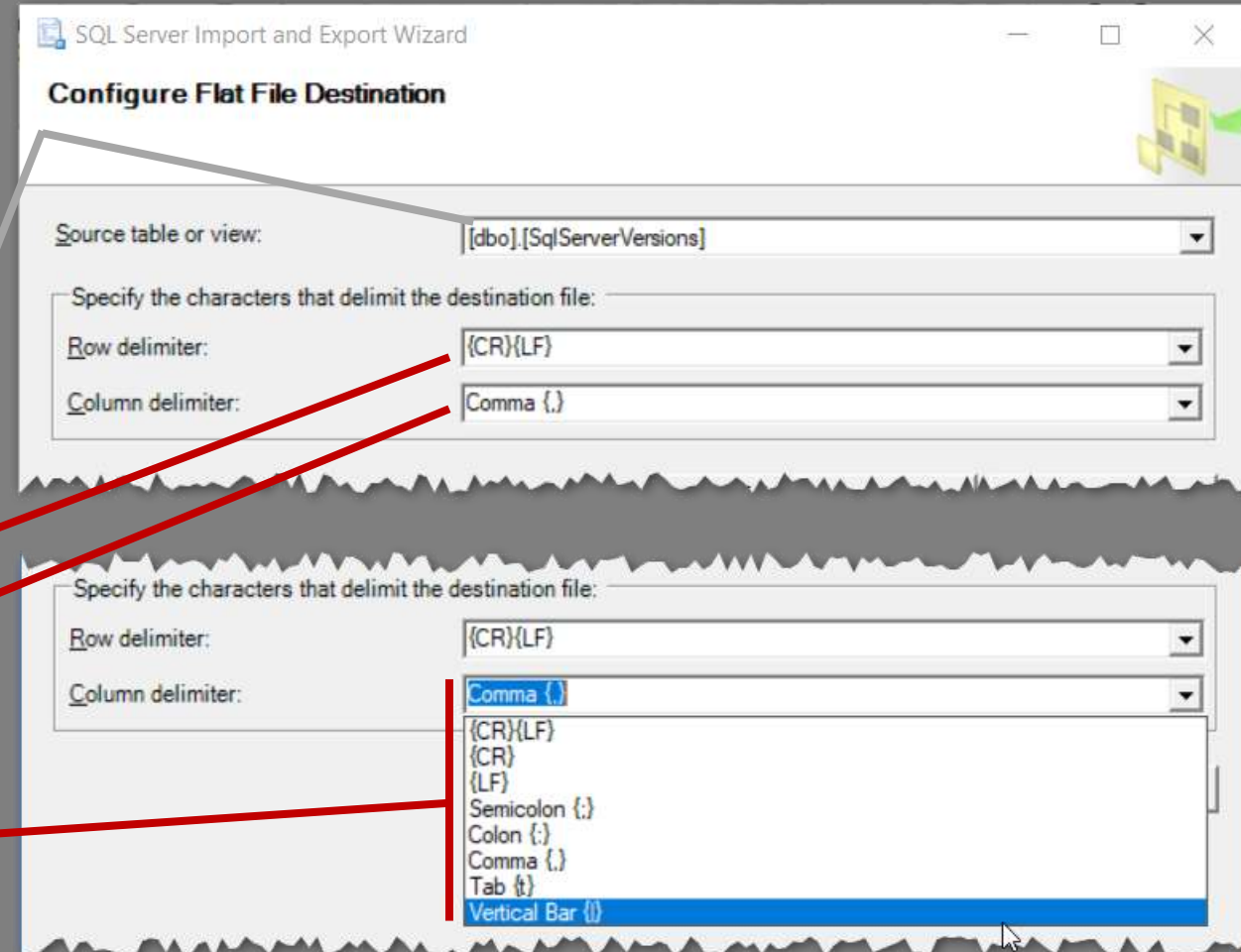
How to Export Table to Tab/Pipe/Comma Delimited File

1. Open Script Dialog (same)
2. Introduction (same)
3. Choose Data Source (same)
4. Choose Destination
 - a. Select "Flat File Destination"
 - b. Enter "Filename" (browse to it)
 - c. ~~Change Locale and Set Unicode~~
 - d. ~~Change Code page~~
 - e. Select "Delimited" for Format
 - f. Enter Quote for Text Qualifier
 - g. Tick "Column Names in first row"
 - h. Click Next



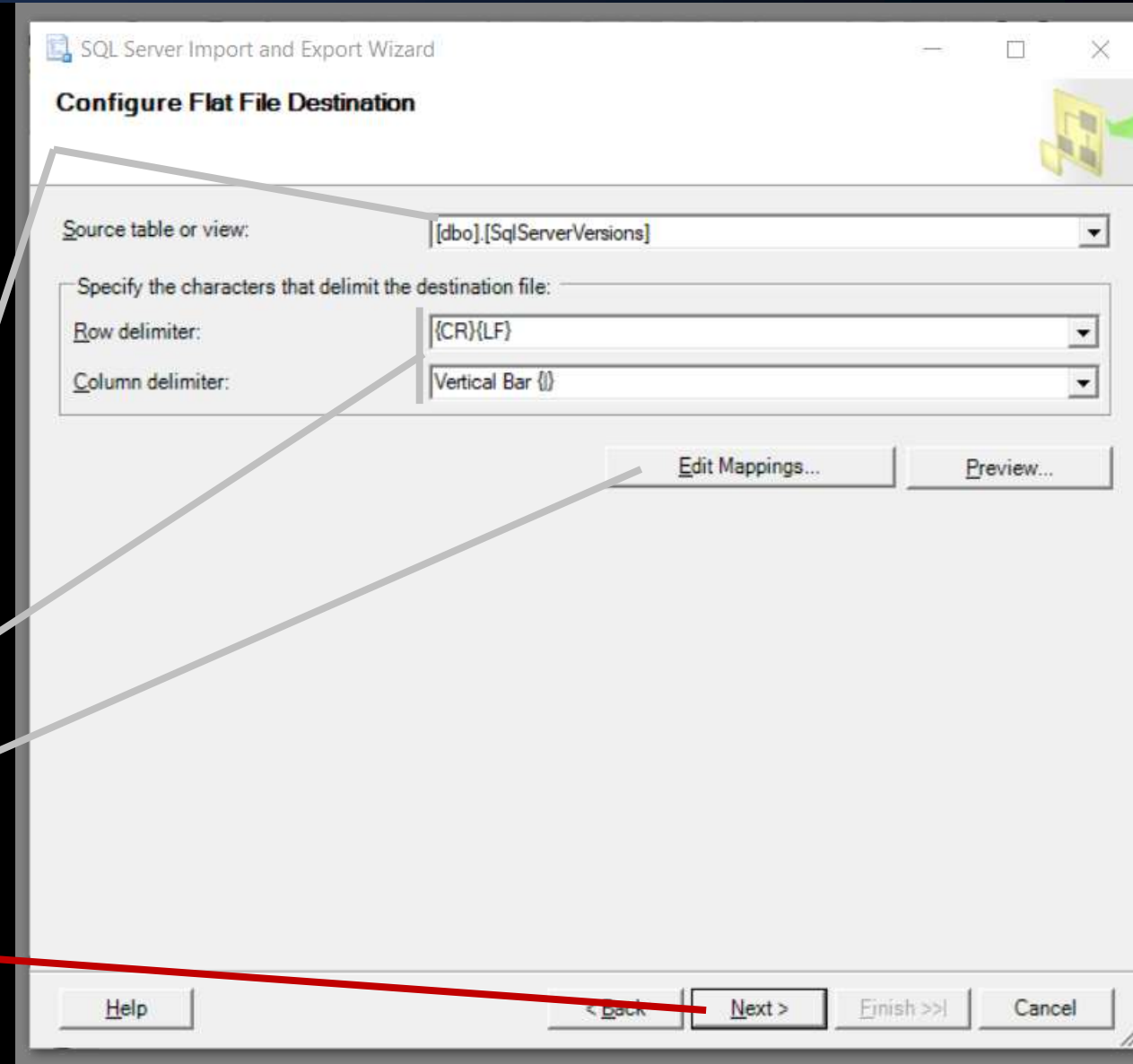
How to Export Table to Tab/Pipe/Comma Delimited File

1. Open Script Dialog (same)
2. Introduction (same)
3. Choose Data Source (same)
4. Choose Destination
5. Specify Table or Query (same)
6. Pick Src Tbl + Delims + Mapping
 - a. Pick a table to export
 - b. Select Delimiters...
 - Row = always CR+LF
 - CSV = Comma
 - TAB = Tab
 - PIPE = |



How to Export Table to Tab/Pipe/Comma Delimited File

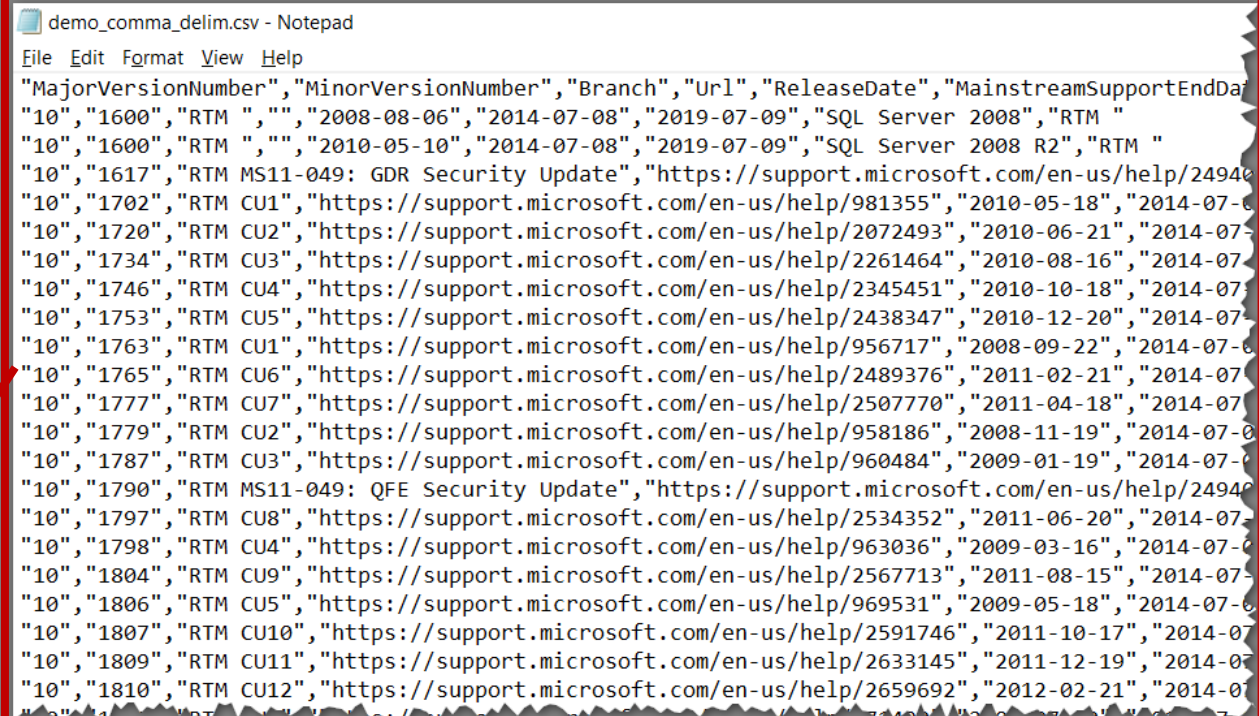
1. Open Script Dialog (same)
2. Introduction (same)
3. Choose Data Source (same)
4. Choose Destination
5. Specify Table or Query (same)
6. Pick Src Tbl + Delims + Mapping
 - a. Pick a table to export
 - b. Select Delimiters
 - c. Note: You can alter field mappings and data types
 - d. Click Next



How to Export Table to Tab/Pipe/Comma Delimited File

1. Open Script Dialog (same)
2. Introduction (same)
3. Choose Data Source (same)
4. Choose Destination
5. Specify Table Copy or Query (same)
6. Pick Src Tbl + Delims + Mapping
7. Save and Run Package
8. Complete the Wizard
9. Execution Status

Output Delimited File Created



```
demo_comma_delim.csv - Notepad
File Edit Format View Help
"MajorVersionNumber","MinorVersionNumber","Branch","Url","ReleaseDate","MainstreamSupportEndDa
"10","1600","RTM ","","2008-08-06","2014-07-08","2019-07-09","SQL Server 2008","RTM "
"10","1600","RTM ","","2010-05-10","2014-07-08","2019-07-09","SQL Server 2008 R2","RTM "
"10","1617","RTM MS11-049: GDR Security Update","https://support.microsoft.com/en-us/help/24940
"10","1702","RTM CU1","https://support.microsoft.com/en-us/help/981355","2010-05-18","2014-07-6
"10","1720","RTM CU2","https://support.microsoft.com/en-us/help/2072493","2010-06-21","2014-07-5
"10","1734","RTM CU3","https://support.microsoft.com/en-us/help/2261464","2010-08-16","2014-07-
"10","1746","RTM CU4","https://support.microsoft.com/en-us/help/2345451","2010-10-18","2014-07-
"10","1753","RTM CU5","https://support.microsoft.com/en-us/help/2438347","2010-12-20","2014-07-
"10","1763","RTM CU1","https://support.microsoft.com/en-us/help/956717","2008-09-22","2014-07-6
"10","1765","RTM CU6","https://support.microsoft.com/en-us/help/2489376","2011-02-21","2014-07-
"10","1777","RTM CU7","https://support.microsoft.com/en-us/help/2507770","2011-04-18","2014-07-
"10","1779","RTM CU2","https://support.microsoft.com/en-us/help/958186","2008-11-19","2014-07-0
"10","1787","RTM CU3","https://support.microsoft.com/en-us/help/960484","2009-01-19","2014-07-0
"10","1790","RTM MS11-049: QFE Security Update","https://support.microsoft.com/en-us/help/24940
"10","1797","RTM CU8","https://support.microsoft.com/en-us/help/2534352","2011-06-20","2014-07-
"10","1798","RTM CU4","https://support.microsoft.com/en-us/help/963036","2009-03-16","2014-07-0
"10","1804","RTM CU9","https://support.microsoft.com/en-us/help/2567713","2011-08-15","2014-07-5
"10","1806","RTM CU5","https://support.microsoft.com/en-us/help/969531","2009-05-18","2014-07-6
"10","1807","RTM CU10","https://support.microsoft.com/en-us/help/2591746","2011-10-17","2014-07-
"10","1809","RTM CU11","https://support.microsoft.com/en-us/help/2633145","2011-12-19","2014-07-
"10","1810","RTM CU12","https://support.microsoft.com/en-us/help/2659692","2012-02-21","2014-07-
```

How to Dump Data to Text Files in SSMS

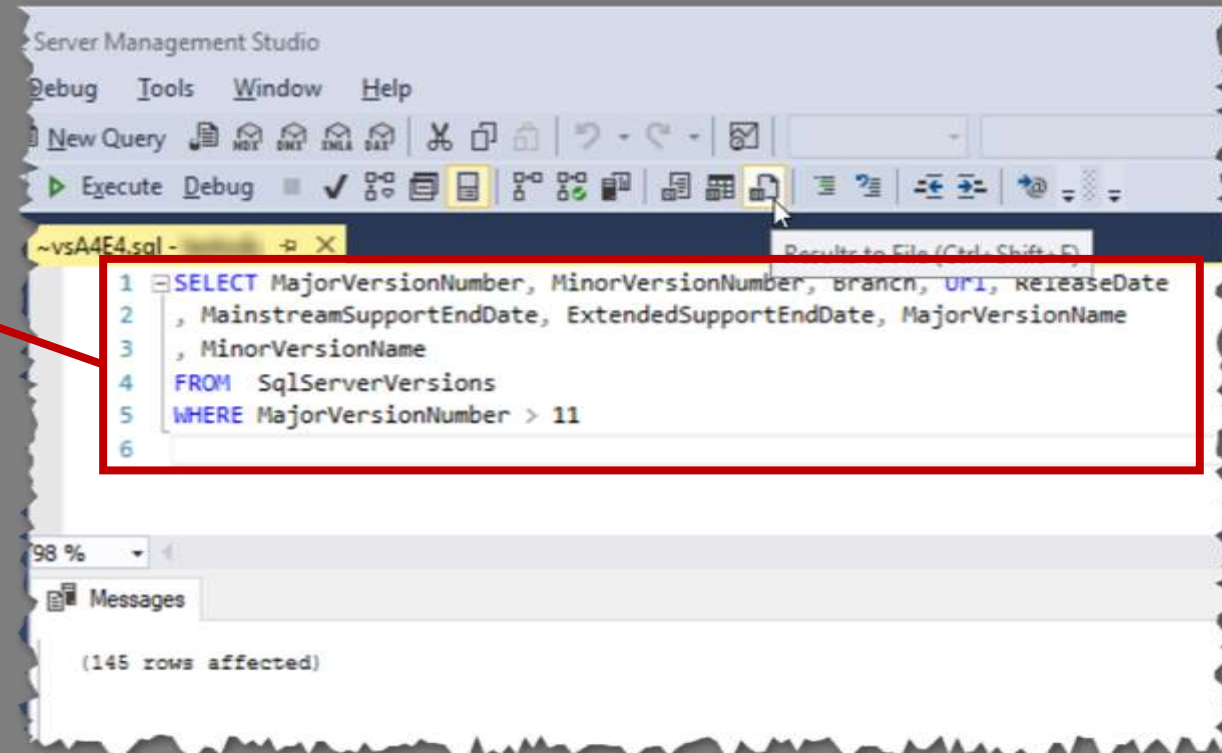
- What are the Inputs?
- What are the Outputs?
- How to Export a Table to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
- How to **Save Query Results** to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
 - Delimited File: Comma with Forced Quotes



How to Save Results to Fixed Width File

Method #1 – Save Results Directly

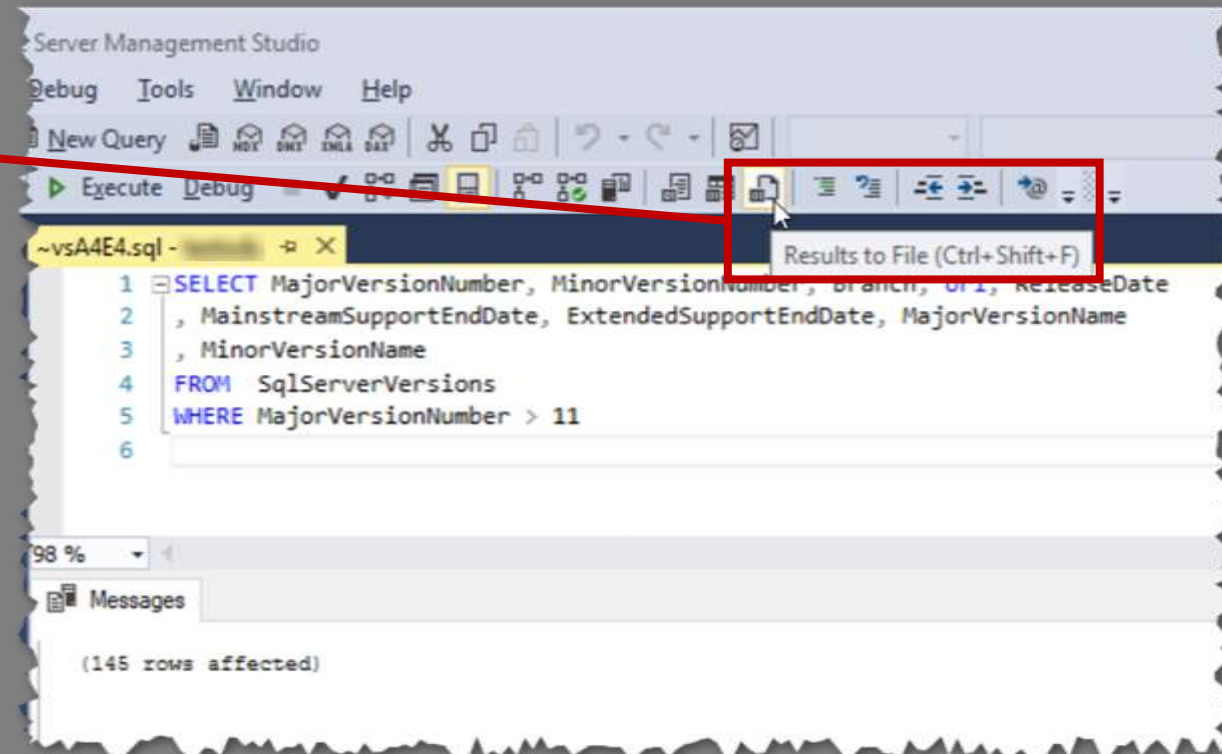
1. Write SQL and check results



How to Save Results to Fixed Width File

Method #1 – Save Results Directly

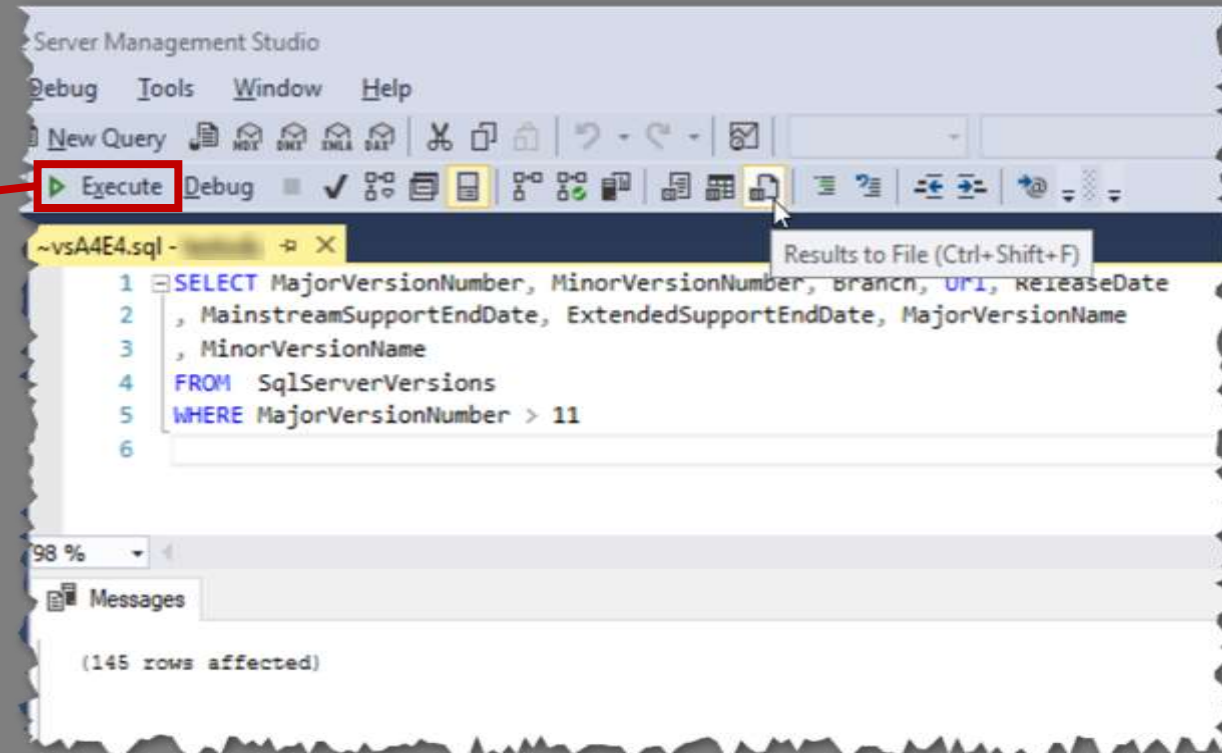
1. Write SQL and check results
2. Click “Results to **File**” button



How to Save Results to Fixed Width File

Method #1 – Save Results Directly

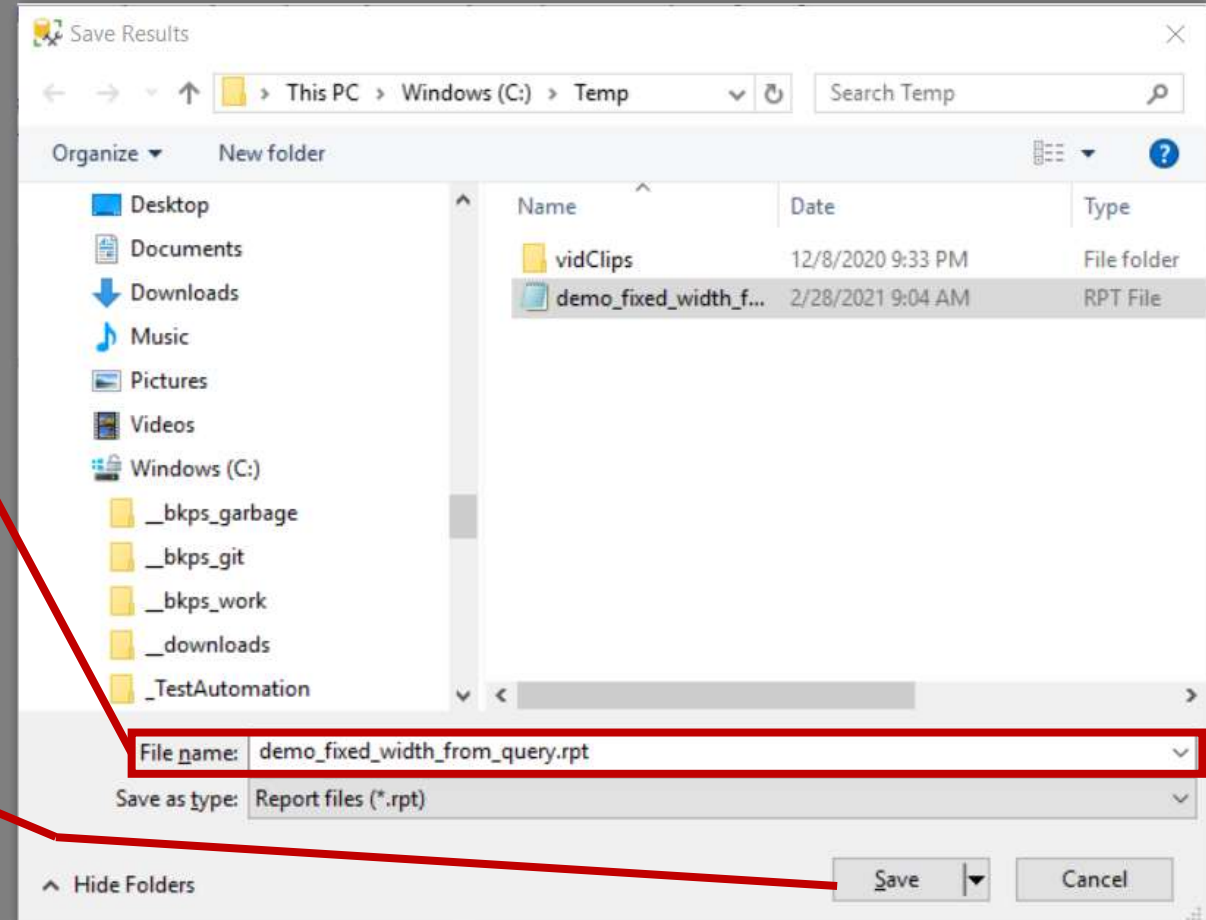
1. Write SQL and check results
2. Click “Results to File” button
3. Click “Execute” button



How to Save Results to Fixed Width File

Method #1 – Save Results Directly

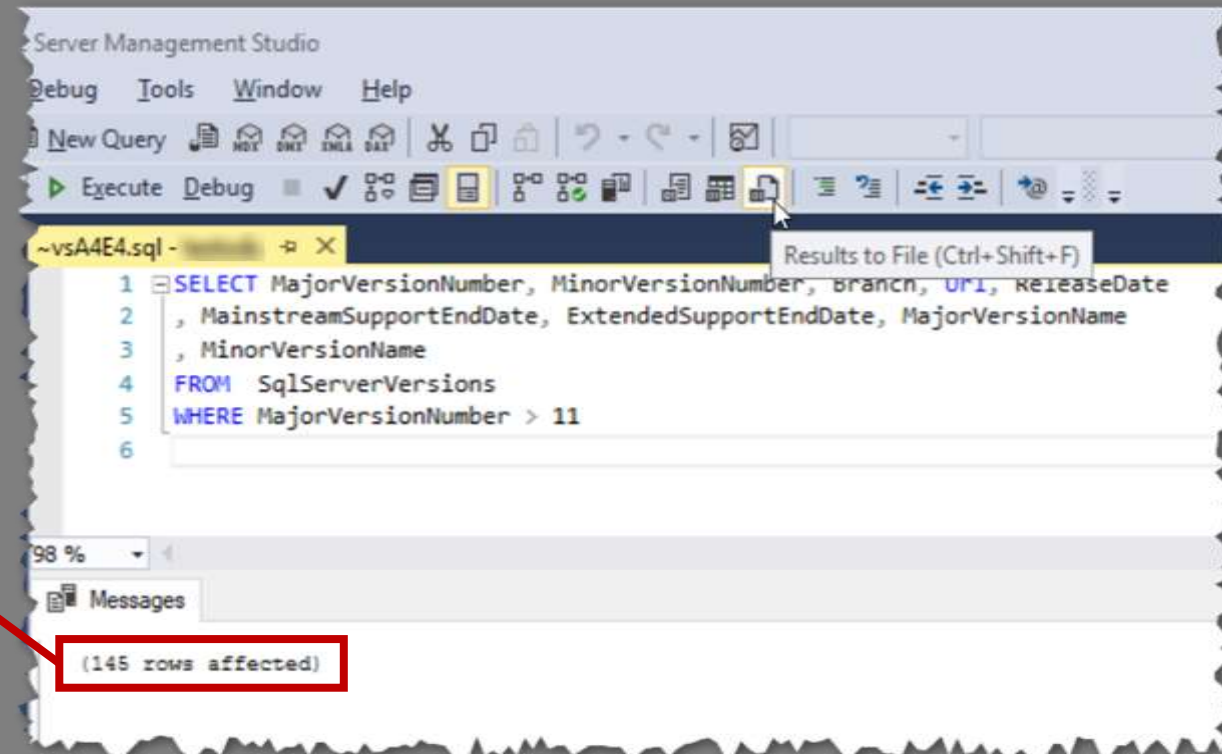
1. Write SQL and check results
2. Click “Results to File” button
3. Click “Execute” button
4. Select a Destination File in Save As
5. Click “Save”



How to Save Results to Fixed Width File

Method #1 – Save Results Directly

1. Write SQL and check results
2. Click “Results to File” button
3. Click “Execute” button
4. Select a Destination File in Save As
5. Click “Save”
6. Query Runs, Row Count Returned

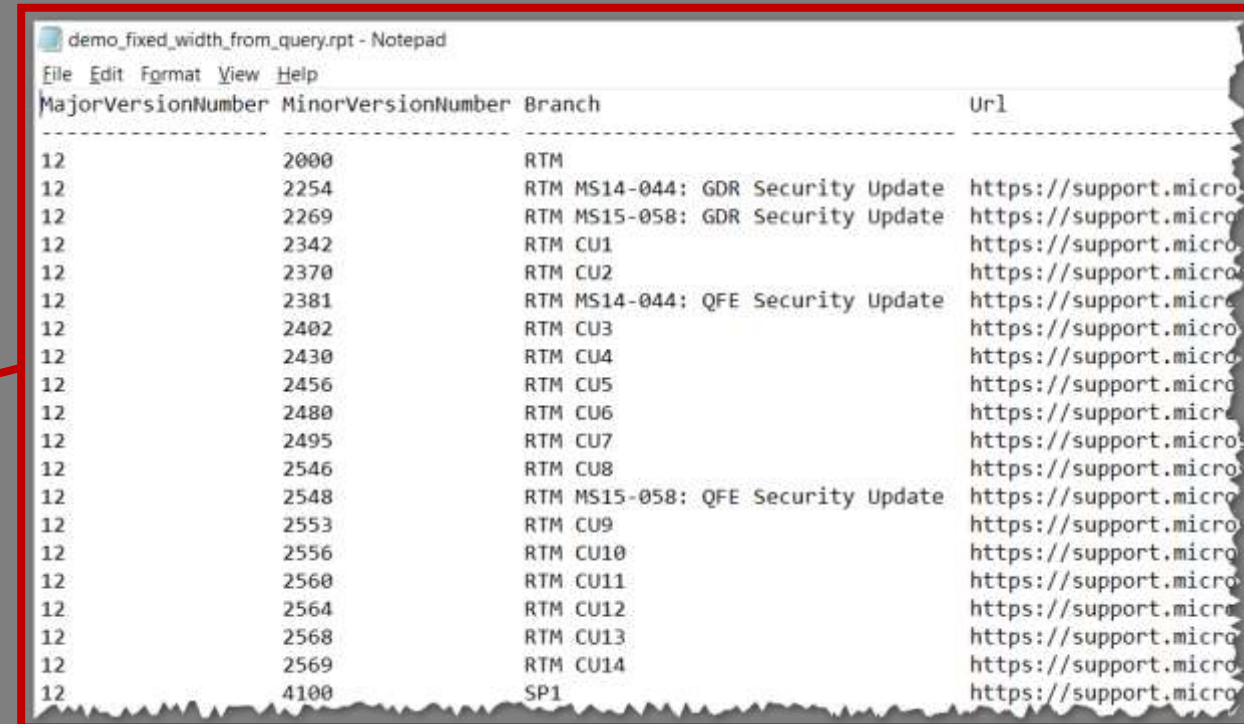


How to Save Results to Fixed Width File

Method #1 – Save Results Directly

1. Write SQL and check results
2. Click “Results to File” button
3. Click “Execute” button
4. Select a Destination File in Save As
5. Click “Save”
6. Query Runs, Row Count Returned

Output Fixed Width File Created



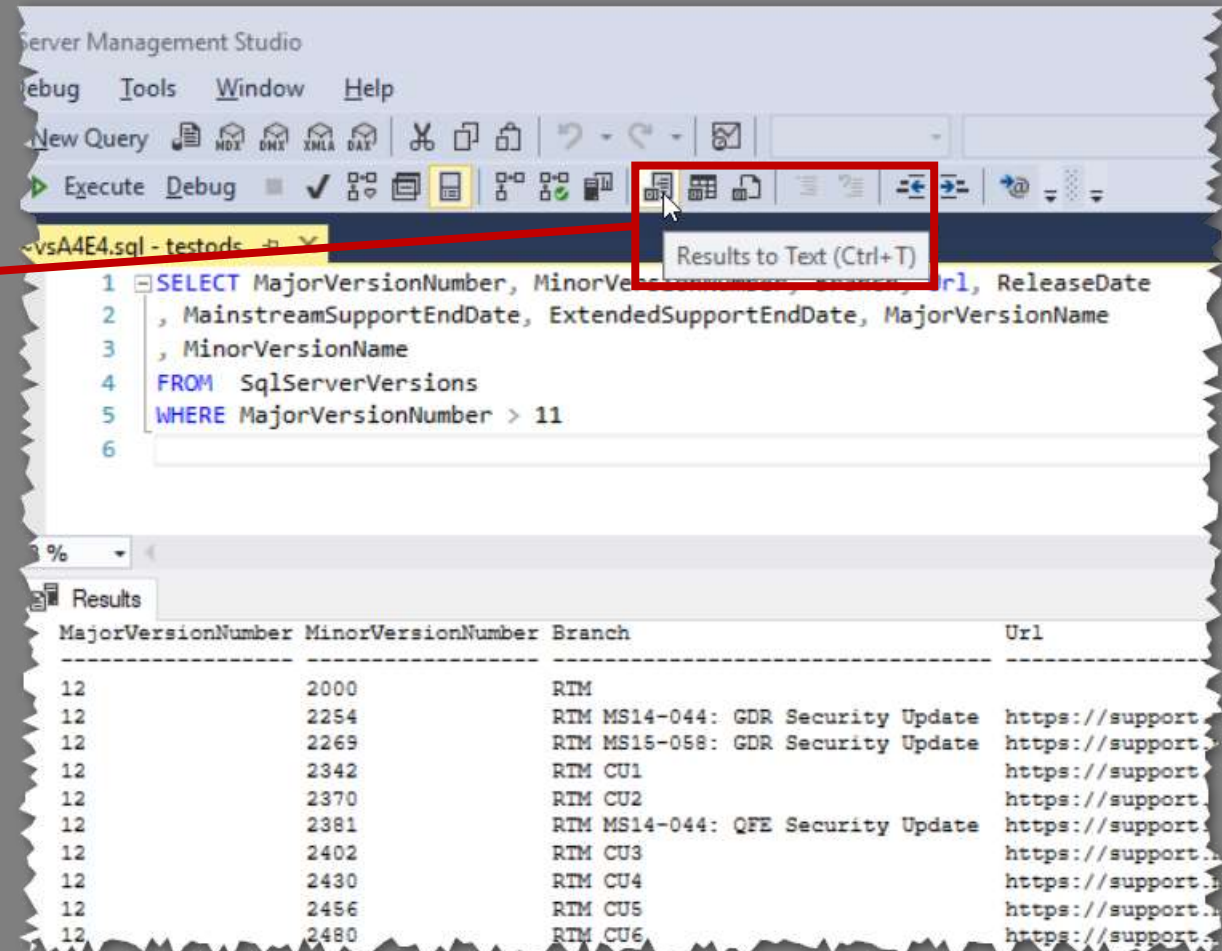
MajorVersionNumber	MinorVersionNumber	Branch	Url
12	2000	RTM	
12	2254	RTM MS14-044: GDR Security Update	https://support.micro
12	2269	RTM MS15-058: GDR Security Update	https://support.micro
12	2342	RTM CU1	https://support.micro
12	2370	RTM CU2	https://support.micro
12	2381	RTM MS14-044: QFE Security Update	https://support.micro
12	2402	RTM CU3	https://support.micro
12	2430	RTM CU4	https://support.micro
12	2456	RTM CU5	https://support.micro
12	2480	RTM CU6	https://support.micro
12	2495	RTM CU7	https://support.micro
12	2546	RTM CU8	https://support.micro
12	2548	RTM MS15-058: QFE Security Update	https://support.micro
12	2553	RTM CU9	https://support.micro
12	2556	RTM CU10	https://support.micro
12	2560	RTM CU11	https://support.micro
12	2564	RTM CU12	https://support.micro
12	2568	RTM CU13	https://support.micro
12	2569	RTM CU14	https://support.micro
12	4100	SP1	https://support.micro

How to Save Results to Fixed Width File

Method #1 – Save Results Directly

Method #2 – Save from Text Results

1. Write SQL and check results (same)
2. Click “Results to **Text**” button

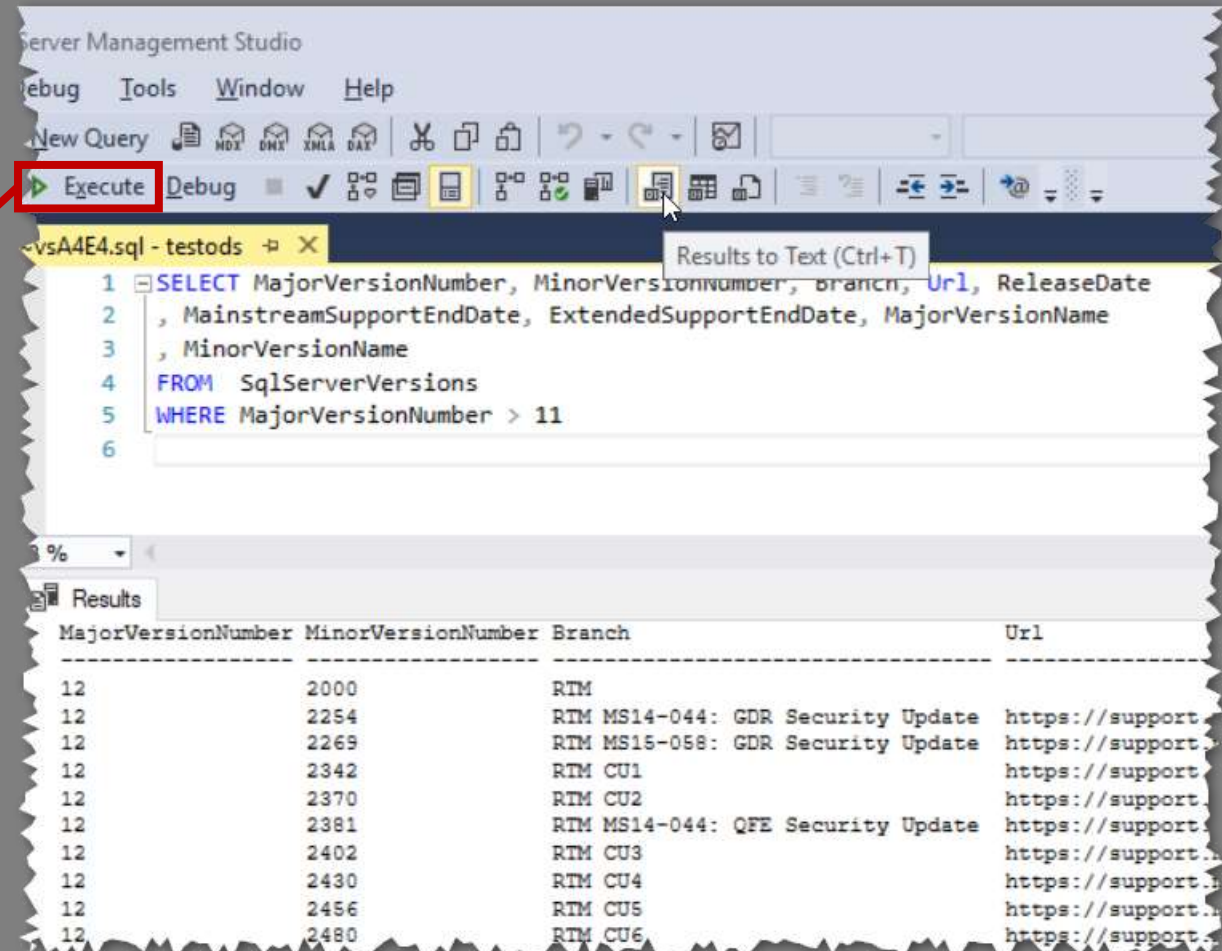


How to Save Results to Fixed Width File

Method #1 – Save Results Directly

Method #2 – Save from Text Results

1. Write SQL and check results (same)
2. Click “Results to File” button
3. Click “Execute” button

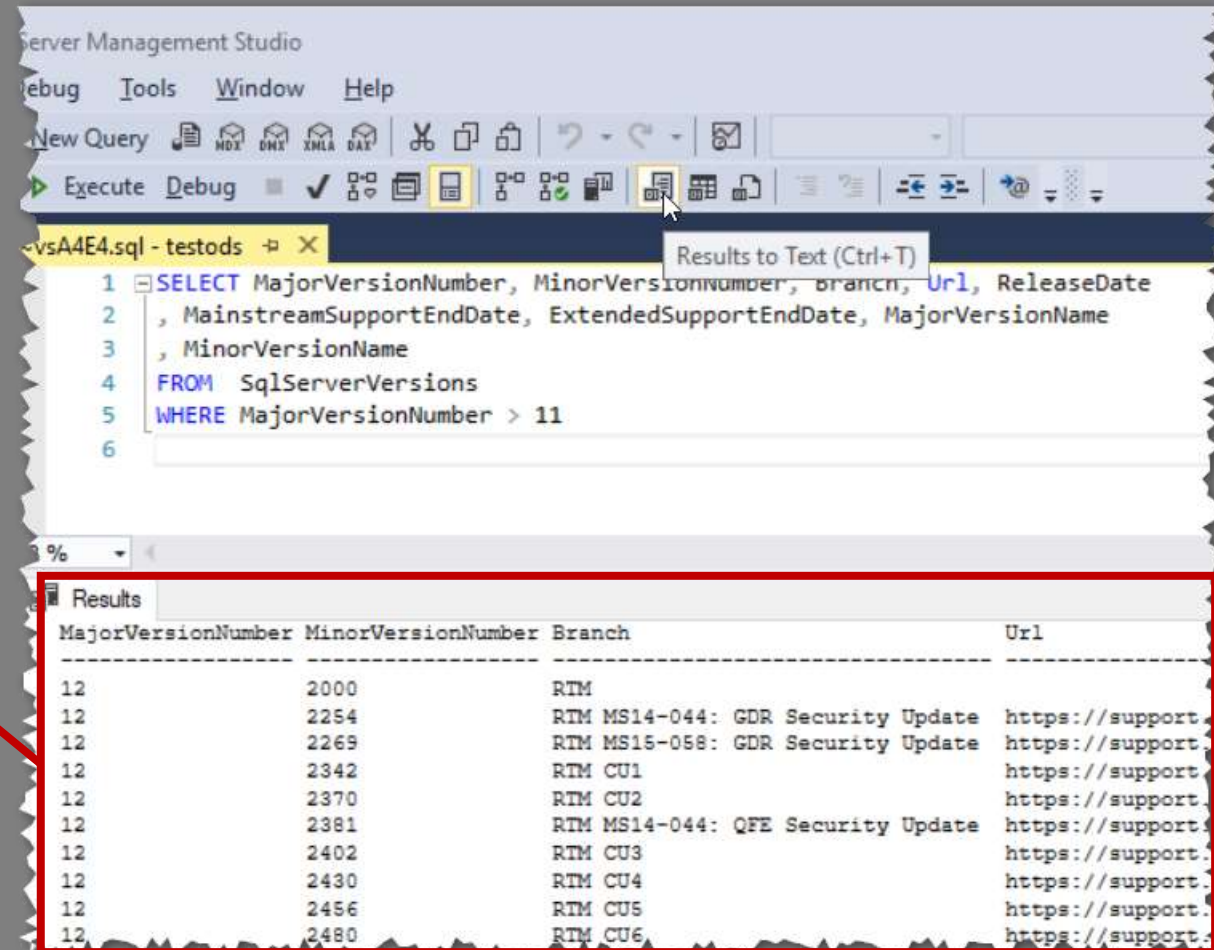


How to Save Results to Fixed Width File

Method #1 – Save Results Directly

Method #2 – Save from Text Results

1. Write SQL and check results (same)
2. Click “Results to File” button
3. Click “Execute” button
4. Query Runs, Rows Returned



The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays a SQL query in the query editor:

```
1 SELECT MajorVersionNumber, MinorVersionNumber, Branch, Url, ReleaseDate
2 , MainstreamSupportEndDate, ExtendedSupportEndDate, MajorVersionName
3 , MinorVersionName
4 FROM SqlServerVersions
5 WHERE MajorVersionNumber > 11
6
```

The bottom pane shows the results of the query in a table format. The table has four columns: MajorVersionNumber, MinorVersionNumber, Branch, and Url. The results are displayed in a grid with alternating light and dark rows. A red box highlights the results table, and a red arrow points from the text "Query Runs, Rows Returned" in the list to the results table.

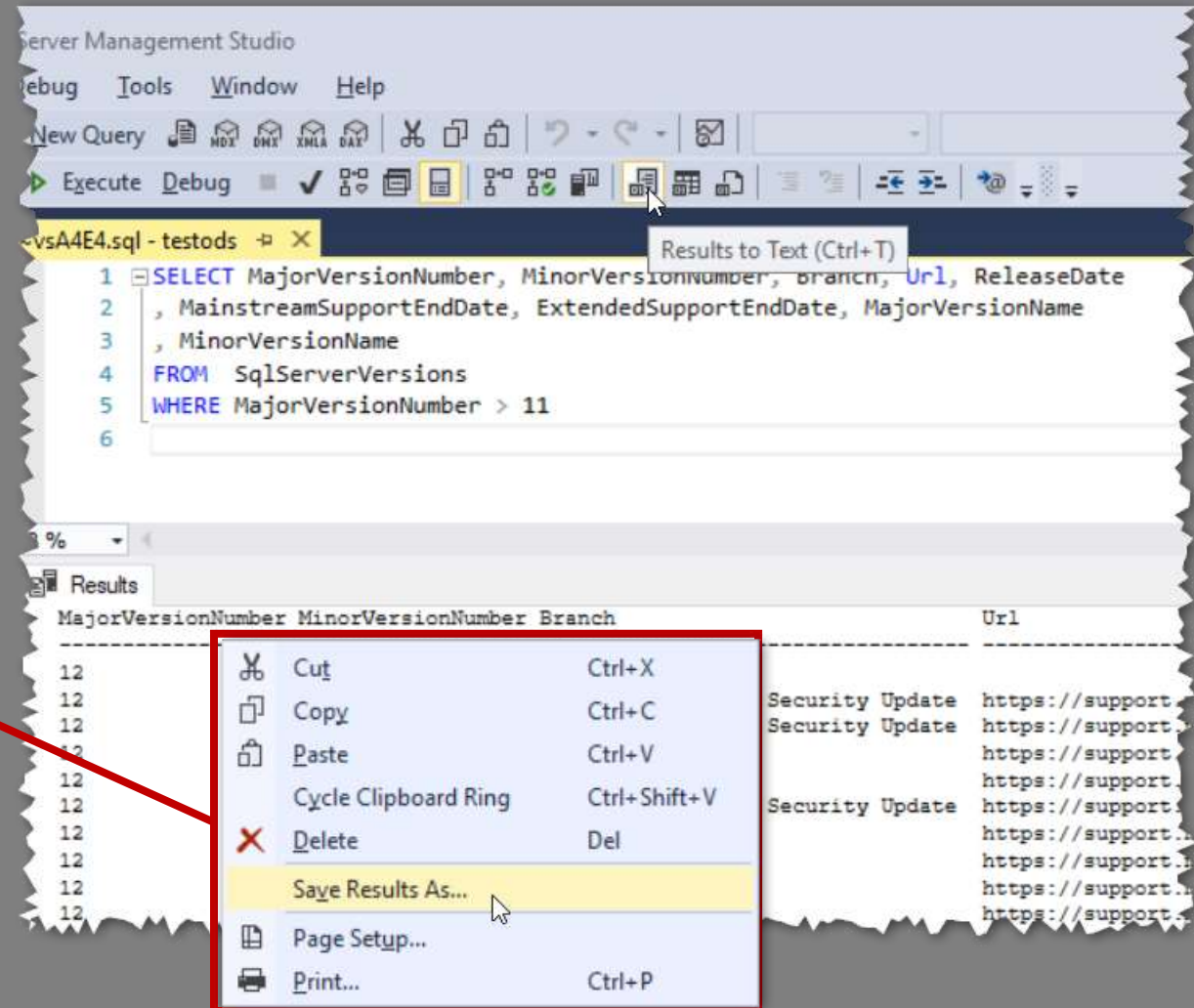
MajorVersionNumber	MinorVersionNumber	Branch	Url
12	2000	RTM	
12	2254	RTM MS14-044: GDR Security Update	https://support.
12	2269	RTM MS15-058: GDR Security Update	https://support.
12	2342	RTM CU1	https://support.
12	2370	RTM CU2	https://support.
12	2381	RTM MS14-044: QFE Security Update	https://support.
12	2402	RTM CU3	https://support.
12	2430	RTM CU4	https://support.
12	2456	RTM CU5	https://support.
12	2480	RTM CU6	https://support.

How to Save Results to Fixed Width File

Method #1 – Save Results Directly

Method #2 – Save from Text Results

1. Write SQL and check results (same)
2. Click “Results to File” button
3. Click “Execute” button
4. Query Runs, Rows Returned
5. Right-Click > Save Results As



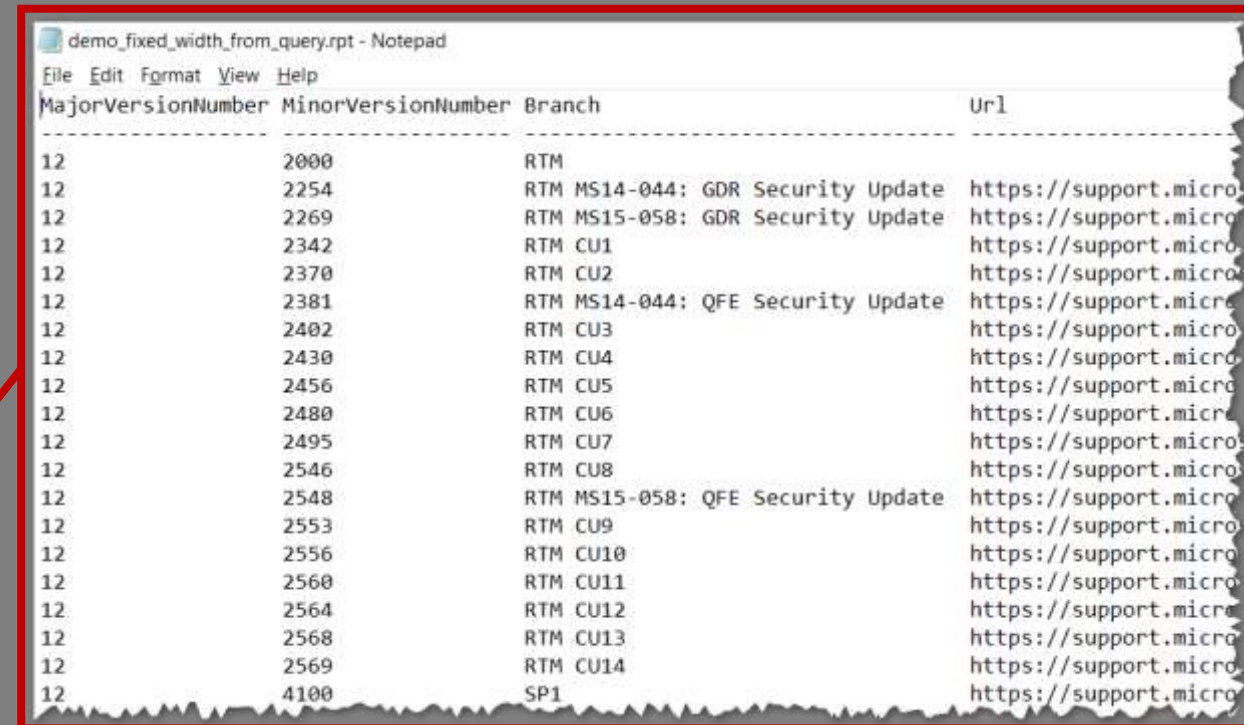
How to Save Results to Fixed Width File

Method #1 – Save Results Directly

Method #2 – Save from Text Results

1. Write SQL and check results (same)
2. Click “Results to File” button
3. Click “Execute” button
4. Query Runs, Rows Returned
5. Right-Click > Save Results As
6. Select a Destination File (same)
7. Click “Save” (same)

Output Fixed Width File Created



demo_fixed_width_from_query.rpt - Notepad

MajorVersionNumber	MinorVersionNumber	Branch	Url
12	2000	RTM	
12	2254	RTM MS14-044: GDR Security Update	https://support.micro
12	2269	RTM MS15-058: GDR Security Update	https://support.micro
12	2342	RTM CU1	https://support.micro
12	2370	RTM CU2	https://support.micro
12	2381	RTM MS14-044: QFE Security Update	https://support.micro
12	2402	RTM CU3	https://support.micro
12	2430	RTM CU4	https://support.micro
12	2456	RTM CU5	https://support.micro
12	2480	RTM CU6	https://support.micro
12	2495	RTM CU7	https://support.micro
12	2546	RTM CU8	https://support.micro
12	2548	RTM MS15-058: QFE Security Update	https://support.micro
12	2553	RTM CU9	https://support.micro
12	2556	RTM CU10	https://support.micro
12	2560	RTM CU11	https://support.micro
12	2564	RTM CU12	https://support.micro
12	2568	RTM CU13	https://support.micro
12	2569	RTM CU14	https://support.micro
12	4100	SP1	https://support.micro

How to Dump Data to Text Files in SSMS

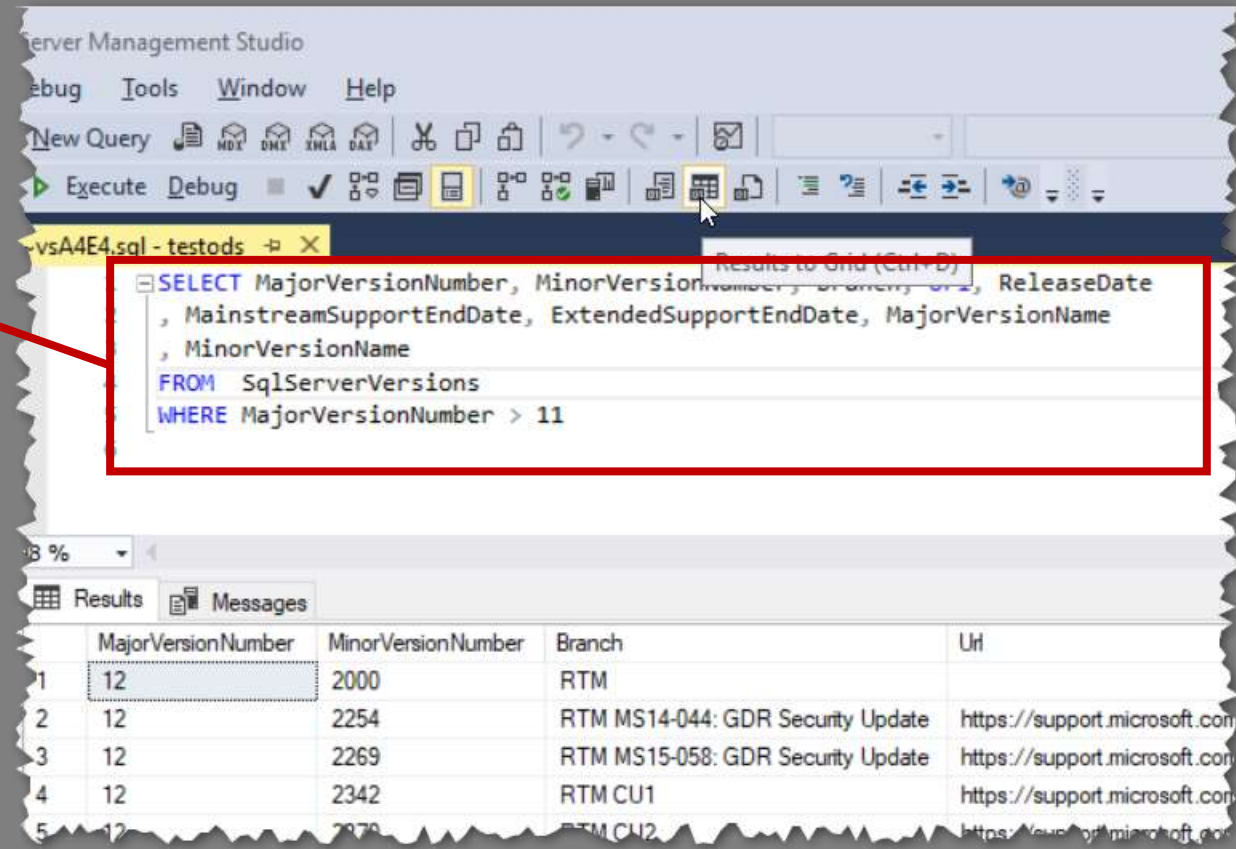
- What are the Inputs?
- What are the Outputs?
- How to Export a Table to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
- How to **Save Query Results** to...
 - Fixed Width File
 - **Delimited File: Tab, Pipe, or Comma**
 - Delimited File: Comma with Forced Quotes



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

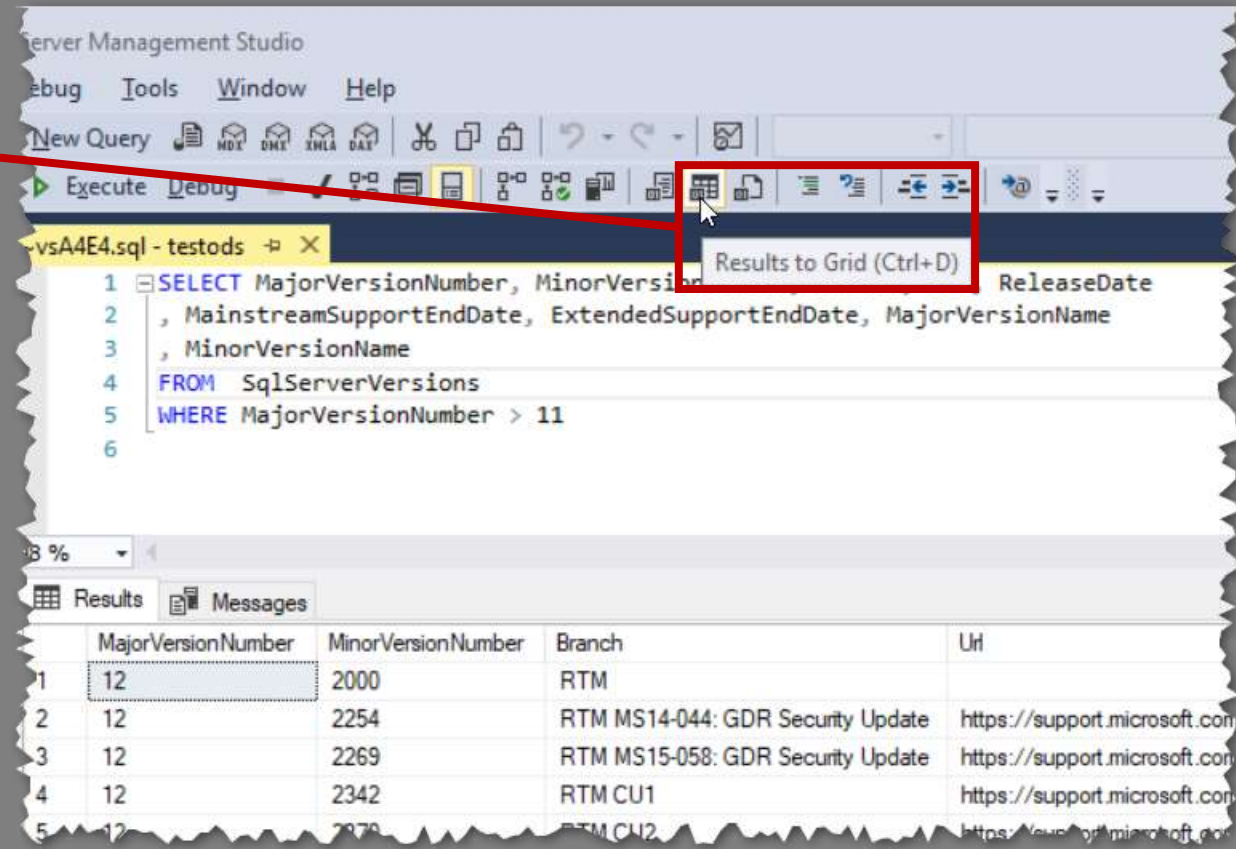
1. Write SQL and check results



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

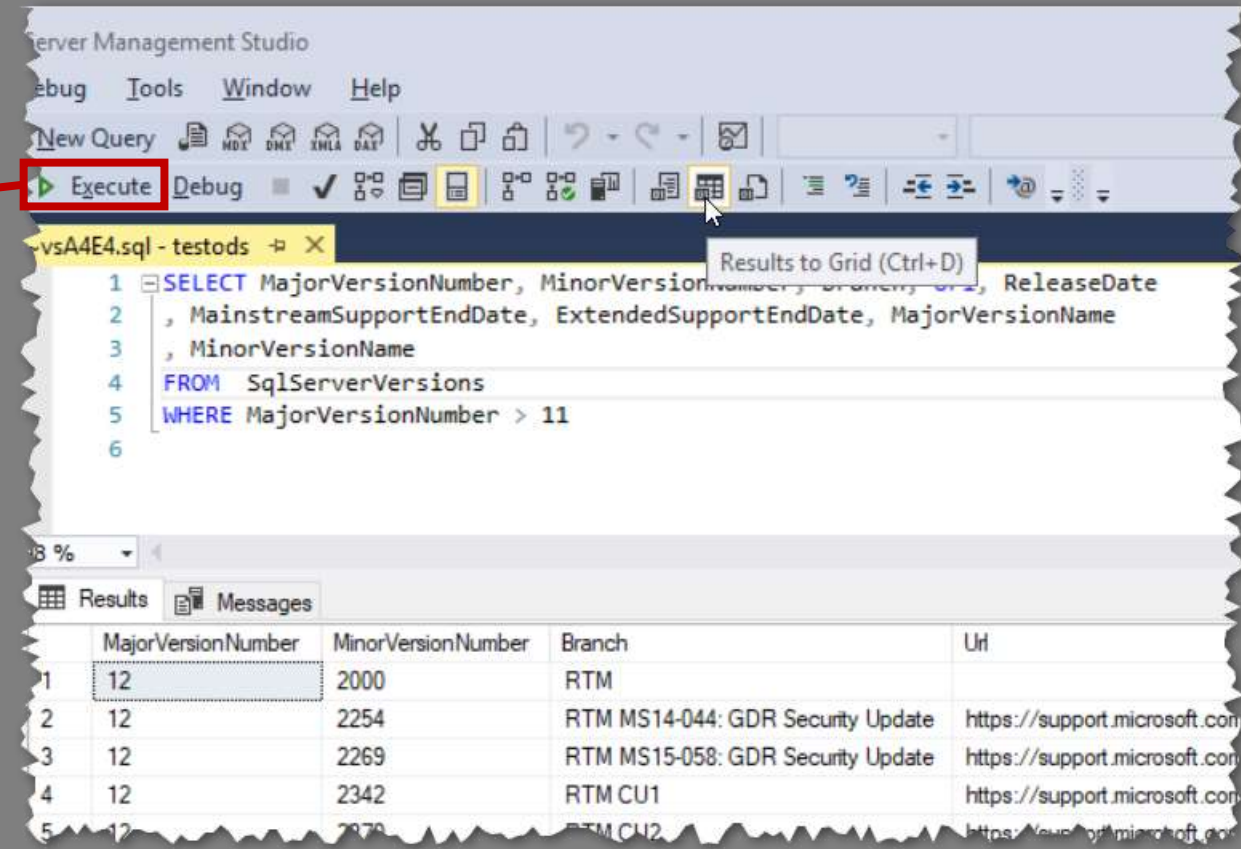
1. Write SQL and check results
2. Click “Results to **Grid**” button



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

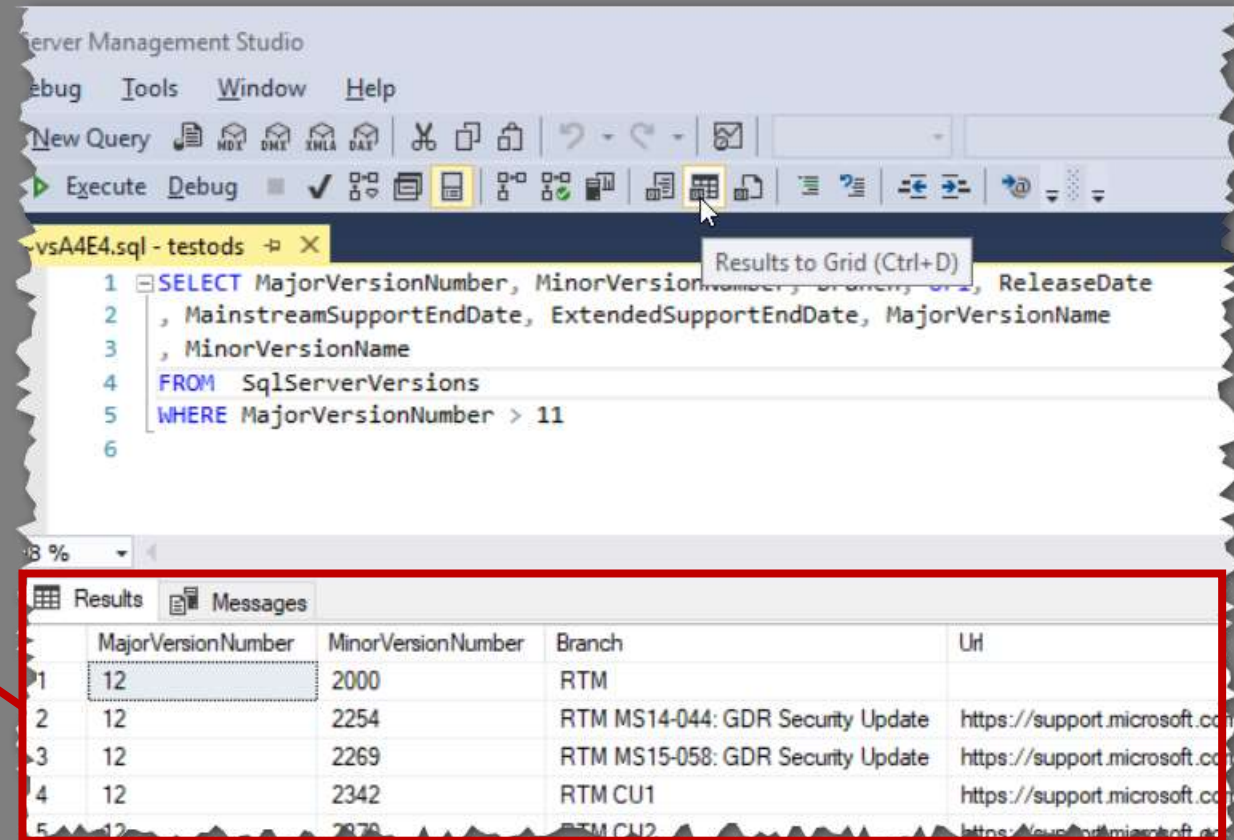
1. Write SQL and check results
2. Click “Results to Grid” button
3. Click “Execute” button



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

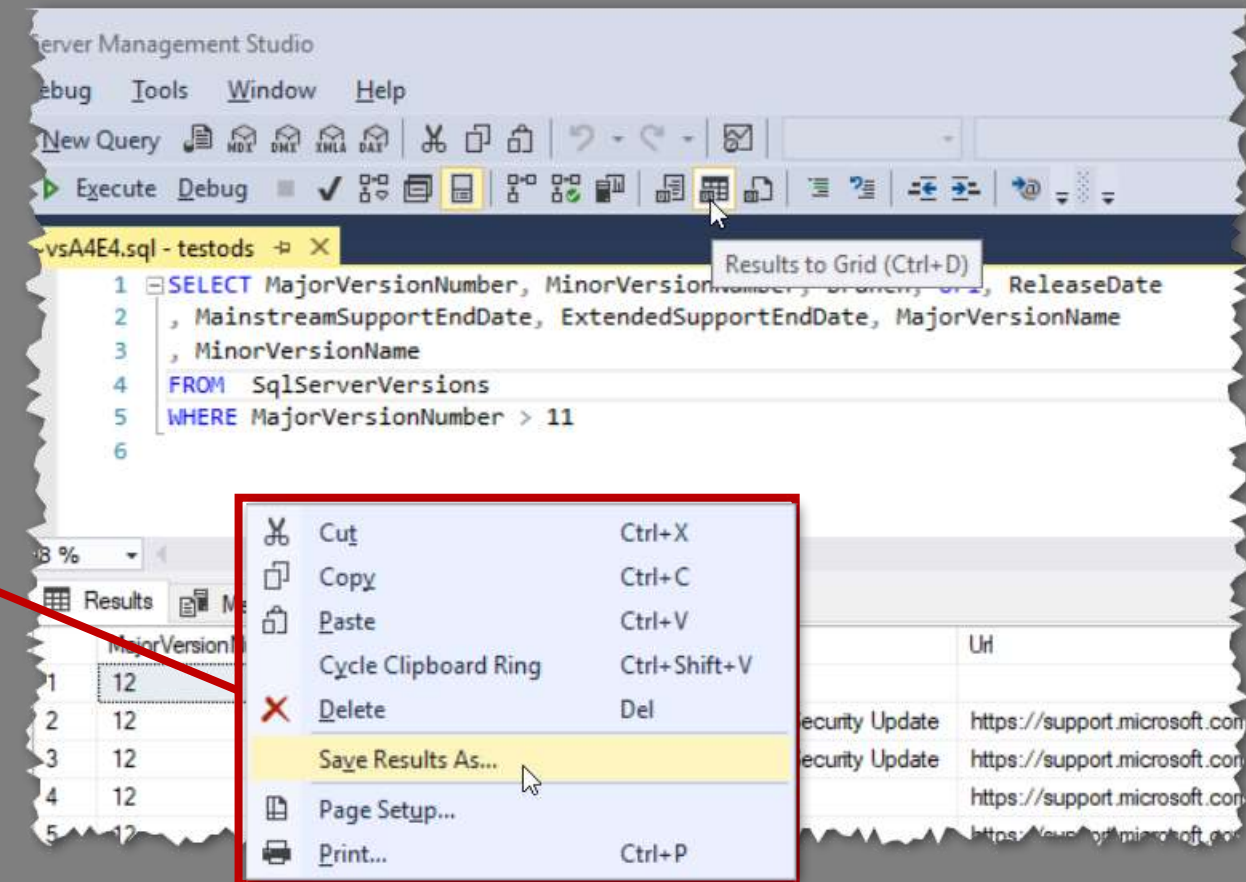
1. Write SQL and check results
2. Click “Results to Grid” button
3. Click “Execute” button
4. Query Runs, Data Table Rendered



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

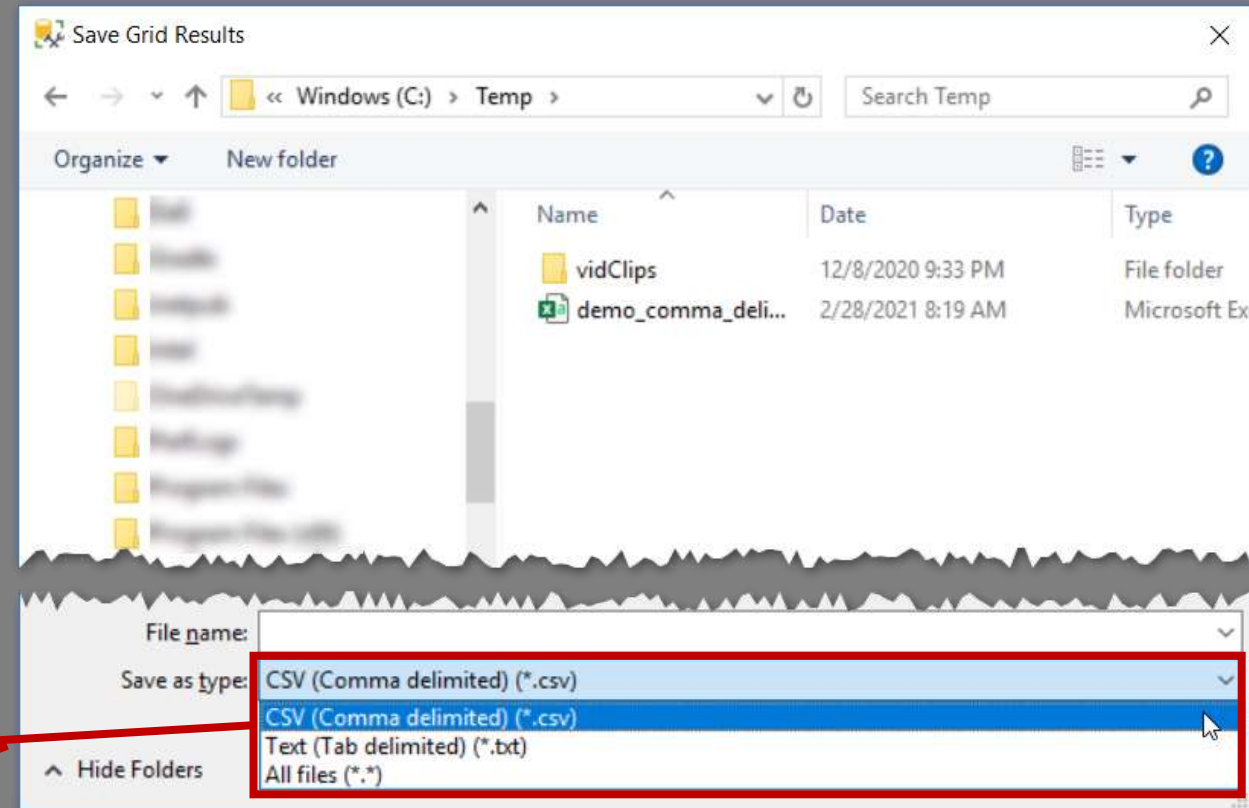
1. Write SQL and check results
2. Click “Results to Grid” button
3. Click “Execute” button
4. Query Runs, Data Table Rendered
5. Right-Click > Save Results



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

1. Write SQL and check results
2. Click “Results to Grid” button
3. Click “Execute” button
4. Query Runs, Data Table Rendered
5. Right-Click > Save Results
6. Select a Destination File (same)
 - Notice **CSV** Comma Delimited Option
 - Notice **TXT** Tab Delimited Option



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

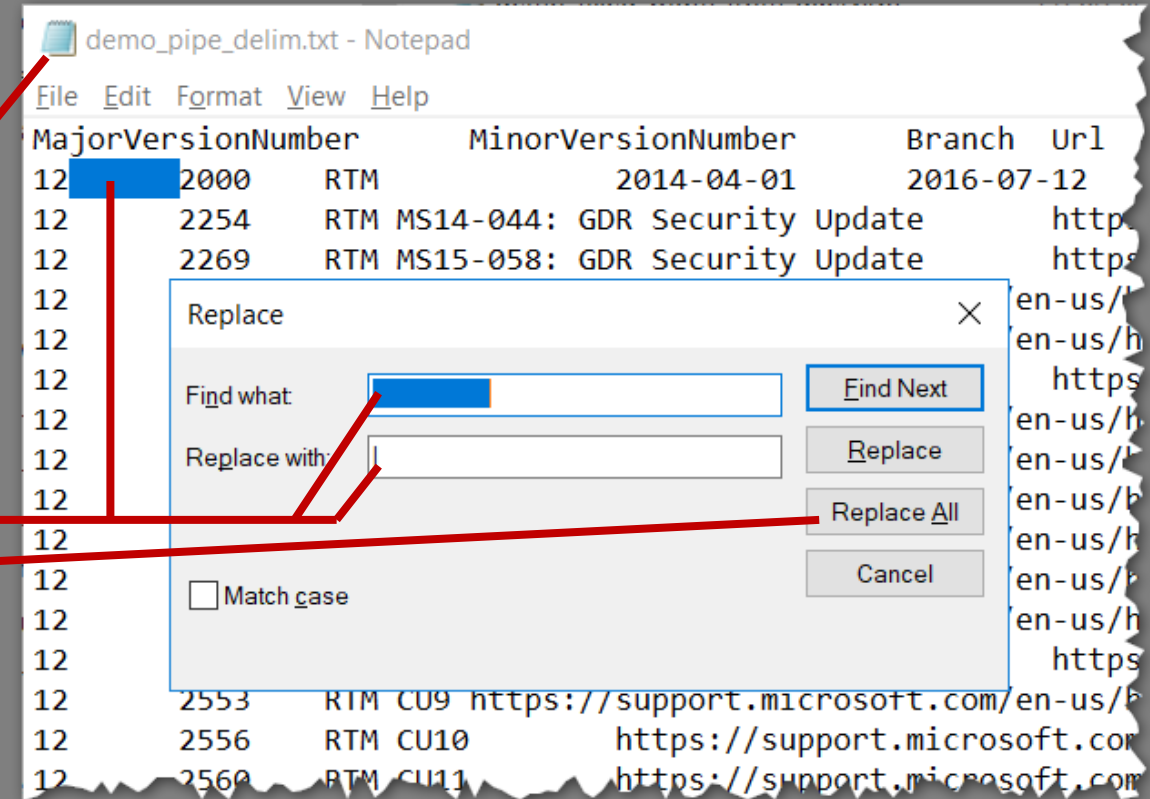
1. Write SQL and check results
2. Click “Results to Grid” button
3. Click “Execute” button
4. Query Runs, Data Table Rendered
5. Right-Click > Save Results
6. Select a Destination File (same)
7. Click “Save” (same)

Output CSV or TAB File Created



The image shows two Notepad windows side-by-side. The top window, titled 'demo_comma_delim2.csv', contains a CSV file with columns: MajorVersionNumber, MinorVersionNumber, Branch, Url, ReleaseDate, MainstreamSupportEndDate, ExtendedSupportEndDate. The bottom window, titled 'demo_tab_delim.txt', contains a TAB-delimited file with the same columns. A red arrow points from the text 'Output CSV or TAB File Created' to the bottom of the TAB file.

MajorVersionNumber	MinorVersionNumber	Branch	Url	ReleaseDate	MainstreamSupportEndDate	ExtendedSupportEndDate
12	2254	RTM	MS14-044: GDR Security Update	https://support.microsoft.com/en-us/help/2977315,2014-04-01,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2269	RTM	MS15-058: GDR Security Update	https://support.microsoft.com/en-us/help/3045324,2014-04-01,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2342	RTM	CU1	https://support.microsoft.com/en-us/help/2931693,2014-04-21,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2370	RTM	CU2	https://support.microsoft.com/en-us/help/2967546,2014-06-27,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2381	RTM	MS14-044: QFE Security Update	https://support.microsoft.com/en-us/help/2977316,2014-08-18,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2402	RTM	CU3	https://support.microsoft.com/en-us/help/2984923,2014-10-21,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2430	RTM	CU4	https://support.microsoft.com/en-us/help/2999197,2014-12-17,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2456	RTM	CU5	https://support.microsoft.com/en-us/help/3011055,2015-02-16,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2480	RTM	CU6	https://support.microsoft.com/en-us/help/3031047,2015-04-20,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2495	RTM	CU7	https://support.microsoft.com/en-us/help/3046038,2015-06-19,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2546	RTM	CU8	https://support.microsoft.com/en-us/help/3067836,2015-08-17,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2548	RTM	MS15-058: QFE Security Update	https://support.microsoft.com/en-us/help/3045323,2015-08-17,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2553	RTM	CU9	https://support.microsoft.com/en-us/help/3075949,2015-08-17,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2556	RTM	CU10	https://support.microsoft.com/en-us/help/3094220,2015-10-13,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2560	RTM	CU11	https://support.microsoft.com/en-us/help/3106659,2015-10-13,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2564	RTM	CU12	https://support.microsoft.com/en-us/help/3130923,2016-01-12,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2568	RTM	CU13	https://support.microsoft.com/en-us/help/3144517,2016-01-12,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	2569	RTM	CU14	https://support.microsoft.com/en-us/help/3158271,2016-01-12,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	4100	SP1		https://support.microsoft.com/en-us/help/3058865,2015-05-04,2016-07-12,2016-07-12	2016-07-12	2016-07-12
12	4213	SP1	MS15-058: GDR Security Update	https://support.microsoft.com/en-us/help/3045324,2015-05-04,2016-07-12,2016-07-12	2016-07-12	2016-07-12



How to Save Results to Tab/Pipe/Comma Delimited File

Method #1 – Save As TAB or CSV File

Method #2 – Save As Pipe Delim File

8. Repeat Steps 1-7 for TAB Delim File

9. Open TAB File in Notepad

10. Search & Replace

11. Save File

Output Pipe Delimited File Created

demo_pipe_delim.txt - Notepad

File Edit Format View Help

MajorVersion|MinorVersionNumber|Branch|Url|ReleaseDate|MainstreamSupportEndDate|Extended

12|2000|RTM|MS14-044|GDR Security Update|https://support.microsoft.com/en-us/help/2977315|2016-07-12|2016-07-12|SQL Server 2014|RTM

12|2254|RTM|MS14-044: GDR Security Update|https://support.microsoft.com/en-us/help/2977315|2016-07-12|2016-07-12|2016-07-12|2016-07-12

12|2269|RTM|MS15-058: GDR Security Update |https://support.microsoft.com/en-us/help/3045324|2016-07-12|2016-07-12|2016-07-12|2016-07-12

12|2342|RTM|CU1|https://support.microsoft.com/en-us/help/2931693|2014-04-21|2016-07-12|2016-07-12|2016-07-12

12|2370|RTM|CU2|https://support.microsoft.com/en-us/help/2967546|2014-06-27|2016-07-12|2016-07-12|2016-07-12

12|2381|RTM|MS14-044: QFE Security Update|https://support.microsoft.com/en-us/help/2977316|2016-07-12|2016-07-12|2016-07-12|2016-07-12

12|2402|RTM|CU3|https://support.microsoft.com/en-us/help/2984923|2014-08-18|2016-07-12|2016-07-12|2016-07-12

12|2430|RTM|CU4|https://support.microsoft.com/en-us/help/2999197|2014-10-21|2016-07-12|2016-07-12|2016-07-12

12|2456|RTM|CU5|https://support.microsoft.com/en-us/help/3011055|2014-12-17|2016-07-12|2016-07-12|2016-07-12

12|2480|RTM|CU6|https://support.microsoft.com/en-us/help/3031047|2015-02-16|2016-07-12|2016-07-12|2016-07-12

12|2495|RTM|CU7|https://support.microsoft.com/en-us/help/3046038|2015-04-20|2016-07-12|2016-07-12|2016-07-12

12|2546|RTM|CU8|https://support.microsoft.com/en-us/help/3067836|2015-06-19|2016-07-12|2016-07-12|2016-07-12

12|2548|RTM|MS15-058: QFE Security Update|https://support.microsoft.com/en-us/help/3045323|2016-07-12|2016-07-12|2016-07-12|2016-07-12

12|2553|RTM|CU9|https://support.microsoft.com/en-us/help/3075949|2015-08-17|2016-07-12|2016-07-12|2016-07-12

12|2556|RTM|CU10|https://support.microsoft.com/en-us/help/3094220|2015-10-19|2016-07-12|2016-07-12|2016-07-12

12|2560|RTM|CU11|https://support.microsoft.com/en-us/help/3106659|2015-12-21|2016-07-12|2016-07-12|2016-07-12

12|2564|RTM|CU12|https://support.microsoft.com/en-us/help/3130923|2016-02-22|2016-07-12|2016-07-12|2016-07-12

12|2568|RTM|CU13|https://support.microsoft.com/en-us/help/3144517|2016-04-18|2016-07-12|2016-07-12|2016-07-12

12|2569|RTM|CU14|https://support.microsoft.com/en-us/help/3158271|2016-06-20|2016-07-12|2016-07-12|2016-07-12

12|4100|SP1|https://support.microsoft.com/en-us/help/3058865|2015-05-04|2017-10-10|2017-10-10|2017-10-10

12|4213|SP1|MS15-058: GDR Security Update|https://support.microsoft.com/en-us/help/3070446|2016-07-12|2016-07-12|2016-07-12|2016-07-12

How to Dump Data to Text Files in SSMS

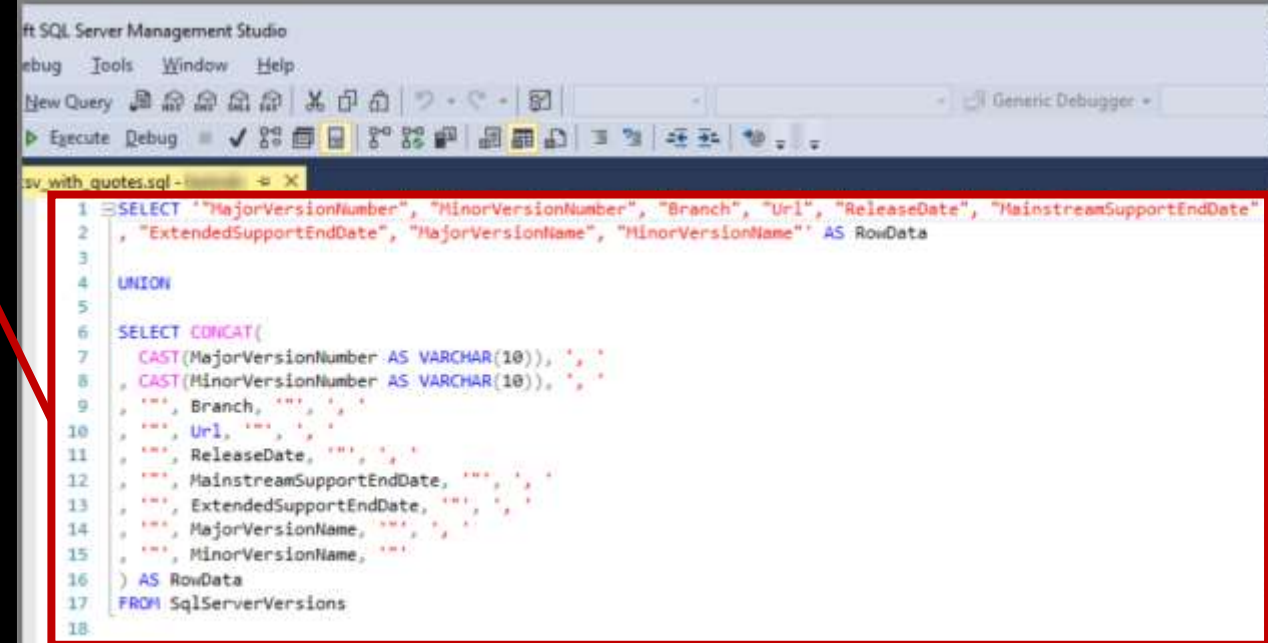
- What are the Inputs?
- What are the Outputs?
- How to Export a Table to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
- How to **Save Query Results** to...
 - Fixed Width File
 - Delimited File: Tab, Pipe, or Comma
 - **Delimited File: Comma with Forced Quotes**



How to Generate CSV File with Quotes

1. Write Specially Formatted SQL

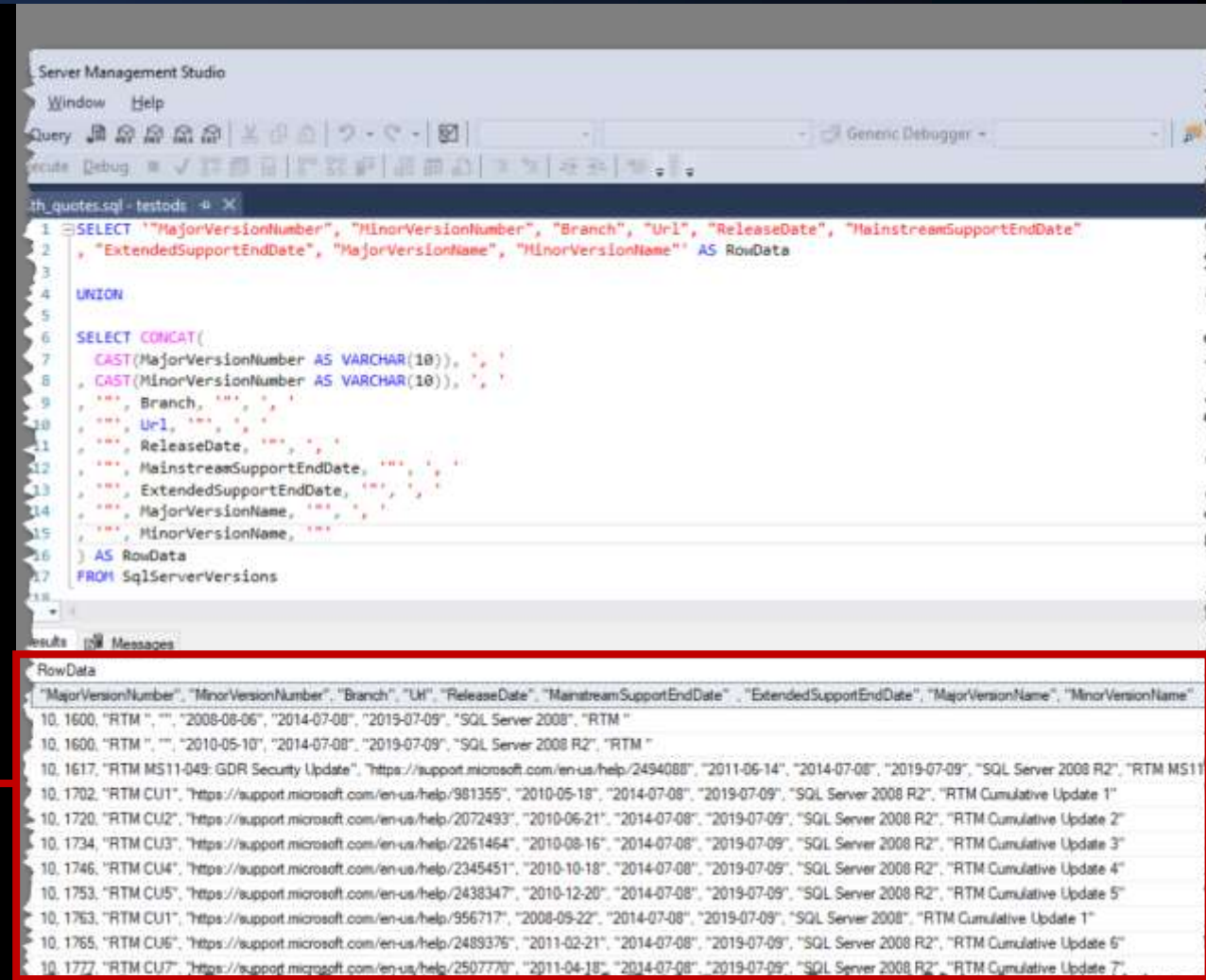
- Uses Quotes around Text Values ' " '
- Concatenate all values into one column per row
- Select Column Headers Union-ed to the data



```
1 SELECT "MajorVersionNumber", "MinorVersionNumber", "Branch", "Url", "ReleaseDate", "MainstreamSupportEndDate",
2      "ExtendedSupportEndDate", "MajorVersionName", "MinorVersionName" AS RowData
3
4 UNION
5
6 SELECT CONCAT(
7     CAST(MajorVersionNumber AS VARCHAR(10)), ',' ,
8     CAST(MinorVersionNumber AS VARCHAR(10)), ',' ,
9     Branch, ',' ,
10    Url, ',' ,
11    ReleaseDate, ',' ,
12    MainstreamSupportEndDate, ',' ,
13    ExtendedSupportEndDate, ',' ,
14    MajorVersionName, ',' ,
15    MinorVersionName, ','
16 ) AS RowData
17 FROM SqlServerVersions
18
```

How to Generate CSV File with Quotes

1. Write Specially Formatted SQL
2. Click “Results to Grid” button (same)
3. Click “Execute” button (same)
4. Query Runs, Data Rows Rendered
5. Copy Data Rows
 - Click Grid Data > Ctrl + A > Ctrl + C
 - Select All Data Rows
 - Copy to Clipboard
6. Paste Data Rows Into Notepad
 - Open Notepad > ctrl + v
 - Paste into Notepad
 - Save As .csv File



The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays a query named 'th_quotes.sql' with the following SQL code:

```
1 SELECT "MajorVersionNumber", "MinorVersionNumber", "Branch", "Url", "ReleaseDate", "MainstreamSupportEndDate",  
2 "ExtendedSupportEndDate", "MajorVersionName", "MinorVersionName" AS RowData  
3  
4 UNION  
5  
6 SELECT CONCAT(  
7 CAST(MajorVersionNumber AS VARCHAR(10)),  
8 CAST(MinorVersionNumber AS VARCHAR(10)),  
9 Branch,  
10 Url,  
11 ReleaseDate,  
12 MainstreamSupportEndDate,  
13 ExtendedSupportEndDate,  
14 MajorVersionName,  
15 MinorVersionName,  
16 ) AS RowData  
17 FROM SqlServerVersions
```

The bottom pane shows the results of the query in a grid. The grid has columns for the various version and support dates, and a column named 'RowData' which contains the concatenated string of all these fields. The results are displayed as a list of rows, each representing a different version of SQL Server.

RowData
"MajorVersionNumber", "MinorVersionNumber", "Branch", "Url", "ReleaseDate", "MainstreamSupportEndDate", "ExtendedSupportEndDate", "MajorVersionName", "MinorVersionName"
10, 1600, "RTM", "", "2008-08-06", "2014-07-08", "2019-07-09", "SQL Server 2008", "RTM"
10, 1600, "RTM", "", "2010-05-10", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM"
10, 1617, "RTM MS11-049: GDR Security Update", "https://support.microsoft.com/en-us/help/2494088", "2011-06-14", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM MS11"
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10, 1720, "RTM CU2", "https://support.microsoft.com/en-us/help/2072493", "2010-06-21", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM Cumulative Update 2"
10, 1734, "RTM CU3", "https://support.microsoft.com/en-us/help/2261464", "2010-08-16", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM Cumulative Update 3"
10, 1746, "RTM CU4", "https://support.microsoft.com/en-us/help/2345451", "2010-10-18", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM Cumulative Update 4"
10, 1753, "RTM CU5", "https://support.microsoft.com/en-us/help/2438347", "2010-12-20", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM Cumulative Update 5"
10, 1763, "RTM CU1", "https://support.microsoft.com/en-us/help/956717", "2008-09-22", "2014-07-08", "2019-07-09", "SQL Server 2008", "RTM Cumulative Update 1"
10, 1765, "RTM CU6", "https://support.microsoft.com/en-us/help/2489375", "2011-02-21", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM Cumulative Update 6"
10, 1777, "RTM CU7", "https://support.microsoft.com/en-us/help/2507770", "2011-04-18", "2014-07-08", "2019-07-09", "SQL Server 2008 R2", "RTM Cumulative Update 7"

How to Generate CSV File with Quotes

1. Write Specially Formatted SQL
2. Click “Results to Grid” button (same)
3. Click “Execute” button (same)
4. Query Runs, Data Rows Rendered
5. Copy Data Rows
6. Paste Data Rows Into Notepad
7. Click “Save” (same)

Output CSV File Created...
...with Specified Fields Quoted



demo_comma_delim3.csv - Notepad

File Edit Format View Help

CSV

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"MajorVersionNumber", "MinorVersionNumber", "Branch", "Url", "ReleaseDate", "MainstreamSupport"
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10, 1746, "RTM CU4", "https://support.microsoft.com/en-us/help/2345451", "2010-10-18", "2014-07-08"
10, 1753, "RTM CU5", "https://support.microsoft.com/en-us/help/2438347", "2010-12-20", "2014-07-08"
10, 1763, "RTM CU1", "https://support.microsoft.com/en-us/help/956717", "2008-09-22", "2014-07-08"
10, 1765, "RTM CU6", "https://support.microsoft.com/en-us/help/2489376", "2011-02-21", "2014-07-08"
10, 1777, "RTM CU7", "https://support.microsoft.com/en-us/help/2507770", "2011-04-18", "2014-07-08"
10, 1779, "RTM CU2", "https://support.microsoft.com/en-us/help/958186", "2008-11-19", "2014-07-08"
10, 1787, "RTM CU3", "https://support.microsoft.com/en-us/help/960484", "2009-01-19", "2014-07-08"
10, 1790, "RTM MS11-049: QFE Security Update", "https://support.microsoft.com/en-us/help/24940", "2010-05-18", "2014-07-08"
10, 1797, "RTM CU8", "https://support.microsoft.com/en-us/help/2534352", "2011-06-20", "2014-07-08"
10, 1798, "RTM CU4", "https://support.microsoft.com/en-us/help/963036", "2009-03-16", "2014-07-08"
10, 1804, "RTM CU9", "https://support.microsoft.com/en-us/help/2567713", "2011-08-15", "2014-07-08"
10, 1806, "RTM CU5", "https://support.microsoft.com/en-us/help/969531", "2009-05-18", "2014-07-08"
10, 1807, "RTM CU10", "https://support.microsoft.com/en-us/help/2591746", "2011-10-17", "2014-07-08"
10, 1809, "RTM CU11", "https://support.microsoft.com/en-us/help/2633145", "2011-12-19", "2014-07-08"
10, 1810, "RTM CU12", "https://support.microsoft.com/en-us/help/2659692", "2012-02-21", "2014-07-08"
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Thanks for Watching

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