

Exporting Query Results

Only in DbVisualizer Pro



This feature is only available in the DbVisualizer Pro edition.

Instead of viewing query results in Result Set grids, you can export the result of one or more queries to a file. For very large results, this may be the preferred choice due to memory constraints.

To export a query result, create a script with

1. an **@export on** command,
2. an **@export set** command,
3. one or more queries,
4. an **@export off** command.

Here is a basic example:

```
@export on;
@export set filename="c:\Backups\Orders.csv";
select * from Orders;
@export off;
```

The `@export set` command takes a parameter name followed by an equal sign and a value. You can use the following parameters, where only filename is required and all names are case-insensitive:

Parameter	Default	Valid Values
AppendFile	false	true, false, clear
BinaryFileDir		Directory path for data files when BinaryFormat is set to File
BinaryFormat	Don't Export	Don't Export, Size, Value, Hex, Base64, File
BooleanFalseFormat	false	false, no, 0, off
BooleanTrueFormat	true	true, yes, 1, on
CLOBFileDir		Directory path for data files when CLOBFormat is set to File
CLOBFormat	Value	Don't Export, Size, Value, File
CsvColumnDelimiter	\t (TAB)	
CsvIncludeColumnHeader	true	true, false
CsvColumnHeaderIsColumnAlias	true	true, false
CsvIncludeSQLCommand	Don't Include	Don't Include, Top, Bottom
CsvRemoveNewlines	false	true, false
CsvRowCommentIdentifier		
CsvRowDelimiter	\n	\n (UNIX/Linux/macOS), \r\n (Windows)
DateFormat	yyyy-MM-dd	See valid formats in Changing the Data Display Format document
DecimalNumberFormat	Unformatted	See valid formats in Changing the Data Display Format document
Destination	File	File
Encoding	UTF-8	
ExcelColumnHeaderIsColumnAlias	false	true, false

ExcelFileFormat	Binary	Two formats are supported <ul style="list-style-type: none"> • Binary Excel (xls) supporting export of max 65 535 rows. Specified as "<i>Binary Excel (xls)</i>", "<i>Binary</i>" or "<i>xls</i>" • OOXML, Excel 2007 (xlsx). Specified as "<i>OOXML, Excel 2007 (xlsx)</i>"; "<i>OOXML</i>" or "<i>xlsx</i>"
ExcelIncludeColumnHeader	true	true, false
ExcelIncludeSQLCommand	false	true, false
ExcelIntroText		Any description
ExcelSheetName		Used when exporting to excel. Sets the name of exported excel sheet.
ExcelTextOnly	false	true, false
ExcelTitle		Any title
Filename	REQUIRED	
Format	CSV	CSV, HTML, XML, SQL, XLS, JSON
HtmlIncludeSQLCommand	false	true, false
HtmlIntroText		Any description
HtmlTitle		Any title
JSONStyle	Array	Array, Rows
NumberFormat	Unformatted	See valid formats in Changing the Data Display Format document
QuoteDuplicateEmbedded	true	true, false (quote char is the same as QuoteTextData)
QuoteTextData	None	None, Single, Double
Settings		The path to an XML file containing all settings
ShowNullAs	(null)	
SqlBeginIdentifier		Character to use to begin a quoted identifier. Note! To specify a double-quote, you must duplicate it since double-quote is also used to enclose the parameter value.
SqlBlockBeginDelim		String to use to begin an SQL block when exporting complex DDL statements using the @ddl command.
SqlBlockEndDelim		String to use to end an SQL block
SqlDelimitedIdentifiers	true	true, false
SqlEndIdentifier		Character to use to end a quoted identifier. Note! To specify a double-quote, you must duplicate it since double-quote is also used to enclose the parameter value.
SqlIncludeCreateDDL	false	true, false
SqlIncludeSQLCommand	Don't Include	Don't Include, Top, Bottom
SqlQualifier		Qualifier to use when qualifying table names. If not set, DbVisualizer tries to determine the schema and use it as the qualifier.
SqlQualifyColumnName	false	true, false
SqlQualifyObjectName	true	true, false
SqlRowCommentIdentifier	--	
SqlSeparator	;	Statement separator character.
TableName		Can be set if DbVisualizer cannot determine the value for the \$(dbvis-object)\$ variable
TimeFormat	HH:mm:ss	See valid formats in Changing the Data Display Format document

TimeStampFormat	yyyy-MM-dd HH:mm:ss.SSSSSS	See valid formats in Changing the Data Display Format document
XmlIncludeSQLCommand	false	true, false
XmlIntroText		Any description
XmlStyle	DbVisualizer	DbVisualizer, XmlDataSet, FlatXmlDataSet

Here are a few examples using some of these settings.

Automatic table name to file mapping

This example shows how to make the filename the same as the table name in the select statement. The example also shows several select statements. Each will be exported in the SQL format. Since the filename is defined to be automatically set, this means that there will be one file per result set and each file is named by the name of its table.

```
@export on;
@export set filename="c:\Backups\${dbvis-object}%" format="sql";
select * from Orders;
select * from Products;
select * from Transactions;
@export off;
```

There must be only one table name in a select statement in order to automatically set the filename with the **`\${dbvis-object}`** variable, i.e if the select joins from several tables or pseudo tables are used, you must explicitly name the file.

The **`\${dbvis-object}`** variable is not substituted with a table name if using the AppendFile="true/clear" parameter.

Multiple results to a single file

This example shows how all result sets can be exported to a single file. The **AppendFile** parameter supports the following values.

- **true**
The following result sets will all be exported to a single file
- **false**
Turn off the append processing
- **clear**
Same as the true value but this will in addition clear the file before the first result set is exported

```
@export on;
@export set filename="c:\Backups\alltables.sql" appendfile="clear" format="sql";
select * from Orders;
select * from Products;
select * from Transactions;
@export off;
```

Using predefined settings

If you save settings when [exporting a table](#) or a [schema](#), you can use the **Settings** parameter to reference the settings file.

```
@export on;
@export set settings="c:\tmp\htmlsettings.xml" filename="c:\Backups\${dbvis-object}%" ;
select * from Orders;
select * from Products;
select * from Transactions;
@export off;
```

Limit the number of exported rows

You can use the `@set maxrows` command in combination with the `@export` command to override the [Max Rows](#) field value in the SQL Commander tab toolbar.

```
@set maxrows 10;
@export on;
@export set filename="c:\Backups\alltables.sql" format="sql";
select * from Orders;
select * from Products;
select * from Transactions;
@export off;
```

If Max Rows is set to a positive number, you can use the `@set maxrows` command to set it to `-1` to export all rows.