## Feature specification for SqlCeCmd utility. Version 1.0

Last updated March 10, 2009

The **sqlcecmd** utility lets you enter SQL Compact Transact-SQL statements, and use script files at the command prompt or in a Windows script file. This utility uses the SQL Compact ADO.NET provider to execute Transact-SQL batches. Requires .NET Framework 2.0 and the SQL Compact runtime.

Syntax



**SqlCeCmd 1.0.0.0**

**Copyright (C) 2009, 2009 Erik Ejlskov Jensen**

**Contact me at my blog: http://erikej.blogspot.com**

**Check for updates at: http://sqlcecmd.codeplex.com**

**d Required. SQL Compact connection string**

**e Run SQL Compact engine actions:**

**shrink|compact|create|upgrade|repairdelete|repairrecover**

**z Change database options:**

**Password,Encryption Mode,Locale Id,Case Sensitivity**

**q Command line query**

**i SQL query input file**

**o Output file**

**v Display database information**

**R Use client regional settings**

**h Headers - 0 to Int32.MaxValue**

**s Column separator**

**W Remove trailing spaces**

**x Output SELECTs as XML**

**? Display this help screen**

Command-line Options



**-d** *connection\_string*

The SQL Compact connection string to be used. For connection string syntax, see http://msdn.microsoft.com/en-us/library/system.data.sqlserverce.sqlceconnection.connectionstring.aspx. This parameter is required.

**-e** *engine\_command*

Runs the specified SqlCeEngine command against the database: Create, Upgrade, Shrink, Compact, Repair.

Cannot be used with the **–z**, **-i** or **-q** options.

**-z** *database options*

Changes the database options. Specify connection string for new database options. Cannot be used with the **–q, -i** or **-e** options. The following tokens are valid:  
- Password  
- LCID  
- Encryption mode  
- Case Sensitive

All other SqlCeConnection.ConnectionString tokens are ignored

Sample usage:   
  
sqlcecmd –d "Data Source=C:\mydb.sdf" -z "Data Source=;Password=secret123;Case sensitive=true;"

**Query Execution Options**

**-q** **"** *cmdline query* **"**

Executes a single query. Cannot be used with the **–z**, **-i** or **-e** options.

Use quotation marks around the query, as shown in the following example.

At the command prompt, type:

sqlcecmd -d "Data Source=c:\mydb.sdf" -q "SELECT FirstName, LastName FROM Contact WHERE LastName LIKE 'Whi%'"

sqlcecmd -d "Data Source=c:\mydb.sdf" -q "SELECT TOP 5 FirstName FROM Contact"

**Input/Output Options**

**-i** *input\_file*

Identifies the file that contains a batch of SQL statements. Each statement in the file must be separated by the word "GO" on a line by itself. **sqlcecmd** will first check to see whether the specified file exists. If the file does not exist, **sqlcecmd** will exit. Cannot be used with the **–z**, **-e** or **-q** options.

Path examples:

**-i** C:\<filename>

**-i** \\<Server>\<Share$>\<filename>

**-i** "C:\Some Folder\<file name>"

File paths that contain spaces must be enclosed in quotation marks.

**-o** *output\_file*

Identifies the file that receives output from **sqlcecmd**.

The *output\_file* is always stored in Unicode format. If the file name is not valid, an error message is generated, and **sqlcecmd** exits. This file will be created if it does not exist. A file of the same name from a prior **sqlcecmd** session will be overwritten.

Path examples:

**-o** C:\< filename>

**-o** \\<Server>\<Share$>\<filename>

**-o "**C:\Some Folder\<file name>"

File paths that contain spaces must be enclosed in quotation marks.

**-v** *display database information*

Displays the following database information as the first output:

Engine version, locale, encryption mode, case sensitivity, database size, creation date/time

**-R** *use client regional settings*

Set the utility to use client regional settings when it converts currency, and date and time data to character data. The default is InvariantCulture settings.

**Formatting Options**

**-h** *headers*

Specifies the number of rows to print between the column headings. The default is to print headings one time for each set of query results. Use **0** to specify that headers must not be printed. Any value that is not valid causes **sqlcecmd** to generate an error message and then exit.

**-s** *col\_separator*

Specifies the column-separator character. The default is a blank space. To use characters that have special meaning to the operating system such as the ampersand (&), or semicolon (;), enclose the character in quotation marks ("). The column separator can be any 8-bit character.

**-W** *remove trailing spaces*

This option removes trailing spaces from a column. Use this option together with the **-s** option when preparing data that is to be exported to another application. Cannot be used with the **-y** or **-Y** options.

**-x** *write SELECTs as XML*

This option writes output from SELECTs as XML. This is useful in order to preserve the full contents of long columns, including nvarchar, nchar, image and text.

**Miscellaneous Options**

**-?** *show syntax summary*

Displays the syntax summary of **sqlcecmd** options.

 Remarks



Options do not have to be used in the order shown in the syntax section.

The total length of the **sqlcecmd** command line in the command environment (Cmd.exe), including all arguments and expanded variables, is that which is determined by the operating system for Cmd.exe.