

How to convert CSV to SQL server in C# with ByteScout Spreadsheet SDK

Write code in C# to convert CSV to SQL server with this step-by-step tutorial

Learn how to convert CSV to SQL server in C# with this source code sample. ByteScout Spreadsheet SDK: the SDK component for writing, reading, modifying and calculating Excel and CSV spreadsheets. Can calculate and recalculate formulas with Excel installed. You may import or export data to and from CSV, XML, JSON. Supports export to databases, arrays, streams. It can convert CSV to SQL server in C#.

You will save a lot of time on writing and testing code as you may just take the C# code from ByteScout Spreadsheet SDK for convert CSV to SQL server below and use it in your application. Follow the instructions from the scratch to work and copy the C# code. Code testing will allow the function to be tested and work properly with your data.

Trial version of ByteScout Spreadsheet SDK can be downloaded for free from our website. It also includes source code samples for C# and other programming languages.

C# - Program.cs

```
using System;
using Bytescout.Spreadsheet;
using System.Data.SqlClient;

namespace ExportToSQLServer
{
    class Program
    {
        static void Main(string[] args)
        {
            try
            {
                // MODIFY THE CONNECTION STRING WITH YOUR CREDENTIALS!!!
                string connectionString = "Data Source=localhost;Initial
Catalog=master;Integrated Security=true;";

                using (SqlConnection connection = new
SqlConnection(connectionString))
                {
                    connection.Open();

                    // Drop test database if exists
                    ExecuteQueryWithoutResult(connection, "IF DB_ID ('CsvTests') IS
NOT NULL DROP DATABASE CsvTests");
                    // Create empty database
                }
            }
        }
    }
}
```

```

ExecuteQueryWithoutResult(connection, "CREATE DATABASE
CsvTests");
// Switch to created database
ExecuteQueryWithoutResult(connection, "USE CsvTests");
// Create a table for CSV data
ExecuteQueryWithoutResult(connection, "CREATE TABLE CsvTest (Name
VARCHAR(40), FullName VARCHAR(255))");

// Load CSV document
using (Spreadsheet document = new Spreadsheet())
{
    document.LoadFromFile("sample.csv", ";"); // ";" - delimiter
    Worksheet worksheet = document.Workbook.Worksheets[0];

    for (int row = 0; row <= worksheet.UsedRangeRowMax; row++)
    {
        String insertCommand = string.Format("INSERT CsvTest
VALUES('{0}','{1}']",
        worksheet.Cell(row, 0).Value, worksheet.Cell(row,
1).Value);
        ExecuteQueryWithoutResult(connection, insertCommand);
    }
}

// Check the data successfully exported
using (SqlCommand command = new SqlCommand("SELECT * from
CsvTest", connection))
{
    SqlDataReader reader = command.ExecuteReader();

    if (reader != null)
    {
        Console.WriteLine();
        Console.WriteLine("Exported CSV data:");
        Console.WriteLine();

        while (reader.Read())
        {
            Console.WriteLine(String.Format("{0} | {1}",
reader[0], reader[1]));
        }
    }

    Console.WriteLine();
    Console.WriteLine("Press any key.");
    Console.ReadKey();
}
}
catch (Exception ex)
{
    Console.WriteLine("Error: " + ex.Message);
    Console.ReadKey();
}
}

static void ExecuteQueryWithoutResult(SqlConnection connection, string query)
{
    using (SqlCommand command = new SqlCommand(query, connection))
    {

```

```
command.ExecuteNonQuery();  
    }  
} } }
```

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