

## How to convert ODS to SQL server in C# and ByteScout Spreadsheet SDK

### How to convert ODS to SQL server in C#

The sample shows steps and algorithm of how to convert ODS to SQL server and how to make it work in your C# application. ByteScout Spreadsheet SDK is the SDK that can write and read, modify and calculate Excel and CSV spreadsheets. Most popular formulas are supported. You may import or export data to and from CSV, XML, JSON as well as to and from databases, arrays. It can be used to convert ODS to SQL server using C#.

The SDK samples like this one below explain how to quickly make your application do convert ODS to SQL server in C# with the help of ByteScout Spreadsheet SDK. This C# sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! Use of ByteScout Spreadsheet SDK in C# is also explained in the documentation included along with the product.

ByteScout Spreadsheet SDK free trial version is available on our website. C# and other programming languages are supported.

FOR MORE INFORMATION AND FREE TRIAL:

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[visit www.Bytescout.com](http://www.Bytescout.com)

Source Code Files:

```
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=ods;User Id=sa;Password=sa;";

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

                    // Drop test database if exists
                    ExecuteQueryWithoutResult(connection, "DROP DATABASE IF EXISTS ods");

                    // Create empty database
                    ExecuteQueryWithoutResult(connection, "CREATE DATABASE ods");
                    // Switch to created database
                    ExecuteQueryWithoutResult(connection, "USE ods");
                    // Create a table for ODS data
                    ExecuteQueryWithoutResult(connection, "CREATE TABLE ods_data (id INT, name VARCHAR(100))");

                    // Load ODS document
                    using (Spreadsheet document = new Spreadsheet("sample.ods"))
                    {
                        document.LoadFromFile("sample.ods");
                        Worksheet worksheet = document.Workbook.Worksheets[0];

                        for (int row = 0; row <= worksheet.UsedRange.Rows - 1; row++)
                        {
                            string insertCommand = string.Format("INSERT INTO ods_data (id, name) 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 ods_data"))
                    {
                        SqlDataReader reader = command.ExecuteReader();

                        if (reader != null)
                        {
                            Console.WriteLine();
                            Console.WriteLine("Exported ODS data to SQL Server");
                            Console.WriteLine();
                        }
                    }
                }
            }
            catch (Exception ex)
            {
                Console.WriteLine(ex.Message);
            }
        }
    }
}
```



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