

How to export to winforms datagrid with spreadsheet sdk in C# with ByteScout Barcode Suite

How to write a robust code in C# to export to winforms datagrid with spreadsheet sdk with this step-by-step tutorial

The documentation is designed for a specific purpose to help you to apply the features on your side. Want to export to winforms datagrid with spreadsheet sdk in your C# app? ByteScout Barcode Suite is designed for it. ByteScout Barcode Suite is the bundle that provides 3 SDK products to generate barcodes (Barcode SDK), read barcodes (Barcode Reader SDK) and read and write spreadsheets (Spreadsheet SDK).

These C# code samples for C# guide developers to speed up coding of the application when using ByteScout Barcode Suite. 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! This basic programming language sample code for C# will do the whole work for you to export to winforms datagrid with spreadsheet sdk.

ByteScout provides the free trial version of ByteScout Barcode Suite along with the documentation and source code samples.

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Source Code Files:

```

namespace ImportExportFromWinFormsDataGrid.CSharp
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be disposed; otherwise, false;
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            this.dataGrid1 = new System.Windows.Forms.DataGrid();
            this.dataGridTableStyle1 = new System.Windows.Forms.DataGridTableStyle();
            this.dataGridTextBoxColumn1 = new System.Windows.Forms.DataGridTextBoxColumn();
            this.btnImport = new System.Windows.Forms.Button();
            this.btnExport = new System.Windows.Forms.Button();
            this.openFileDialog1 = new System.Windows.Forms.OpenFileDialog();
            ((System.ComponentModel.ISupportInitialize) (this.dataGrid1)).BeginInit();
            this.SuspendLayout();
            //
            // dataGrid1
            //
            this.dataGrid1.Anchor = ((System.Windows.Forms.AnchorStyles) (
                System.Windows.Forms.AnchorStyles.Left |
                System.Windows.Forms.AnchorStyles.Right));
            this.dataGrid1.DataMember = "";
            this.dataGrid1.HeaderForeColor = System.Drawing.SystemColors.Control;
            this.dataGrid1.Location = new System.Drawing.Point(12, 12);
            this.dataGrid1.Name = "dataGrid1";
            this.dataGrid1.Size = new System.Drawing.Size(438, 308);
            this.dataGrid1.TabIndex = 0;
            this.dataGrid1.TableStyles.AddRange(new System.Windows.Forms.DataGridTableStyle(
                this.dataGridTableStyle1));
            //
            // dataGridTableStyle1
            //

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        this.dataGridTableStyle1.DataGrid = this.dataGrid1;
        this.dataGridTableStyle1.GridColumnStyles.AddRange(new System.V
this.dataGridTextBoxColumn1});
        this.dataGridTableStyle1.HeaderForeColor = System.Drawing.Syste
        //
        // dataGridTextBoxColumn1
        //
        this.dataGridTextBoxColumn1.Format = "";
        this.dataGridTextBoxColumn1.FormatInfo = null;
        this.dataGridTextBoxColumn1.NullText = "";
        this.dataGridTextBoxColumn1.Width = 75;
        //
        // btnImport
        //
        this.btnImport.Anchor = ((System.Windows.Forms.AnchorStyles) (
this.btnImport.Location = new System.Drawing.Point(238, 326);
this.btnImport.Name = "btnImport";
this.btnImport.Size = new System.Drawing.Size(212, 23);
this.btnImport.TabIndex = 1;
this.btnImport.Text = "Import from DataGrid to spreadsheet";
this.btnImport.UseVisualStyleBackColor = true;
this.btnImport.Click += new System.EventHandler(this.btnImport.
        //
        // btnExport
        //
        this.btnExport.Anchor = ((System.Windows.Forms.AnchorStyles) (
this.btnExport.Location = new System.Drawing.Point(238, 355);
this.btnExport.Name = "btnExport";
this.btnExport.Size = new System.Drawing.Size(212, 23);
this.btnExport.TabIndex = 2;
this.btnExport.Text = "Export from spreadsheet to DataGrid";
this.btnExport.UseVisualStyleBackColor = true;
this.btnExport.Click += new System.EventHandler(this.btnExport.
        //
        // openFileDialog1
        //
        this.openFileDialog1.FileName = "openFileDialog1";
        this.openFileDialog1.Filter = "Excel files (*.xls;*.xlsx)|*.xls
        //
        // Form1
        //
        this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
        this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
        this.ClientSize = new System.Drawing.Size(462, 390);
        this.Controls.Add(this.btnExport);
        this.Controls.Add(this.btnImport);
        this.Controls.Add(this.dataGrid1);
        this.Name = "Form1";
        this.Text = "ImportFromWinFormsDataGrid";
        ((System.ComponentModel.ISupportInitialize) (this.dataGrid1)).I
        this.ResumeLayout(false);
    }

#endregion

private System.Windows.Forms.DataGrid dataGrid1;
private System.Windows.Forms.Button btnImport;
private System.Windows.Forms.Button btnExport;
private System.Windows.Forms.OpenFileDialog openFileDialog1;

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        private System.Windows.Forms.DataGridTableStyle dataGridTableStyle1;
        private System.Windows.Forms.DataGridTextBoxColumn dataGridTextBoxColumn1;

    }
}

```

Form1.cs

```

using System;
using System.Data;
using System.Diagnostics;
using System.IO;
using System.Windows.Forms;
using Bytescout.Spreadsheet;

namespace ImportExportFromWinFormsDataGrid.CSharp
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            dataGrid1.DataSource = GetDemoDataTable();
        }

        private void btnImport_Click(object sender, EventArgs e)
        {
            Cursor = Cursors.WaitCursor;

            try
            {
                const string fileName = "CSharpImportFromDataTable.xls";

                // retrieve DataTable from DataGrid
                DataTable dataTable = (DataTable) dataGrid1.DataSource;

                // Create spreadsheet
                Spreadsheet spreadsheet = new Spreadsheet();

                // Import data from DataTable into spreadsheet
                spreadsheet.ImportFromDataTable(dataTable);

                // Insert row with column captions
                Worksheet worksheet = spreadsheet.Worksheets[0];
                worksheet.Rows.Insert(0);
                for (int colIndex = 0; colIndex < dataTable.Columns.Count; colIndex++)
                {
                    worksheet.Cell(0, colIndex).Value = dataTable.Columns[colIndex].Caption;
                }
            }
            catch { }
        }
    }
}

```

```

        // Save the spreadsheet
        if (File.Exists(fileName)) File.Delete(fileName);
        spreadsheet.SaveAs(fileName);

        // Close spreadsheet
        spreadsheet.Close();

        // Open the spreadsheet
        Process.Start(fileName);
    }
    finally
    {
        Cursor = Cursors.Default;
    }
}

private void btnExport_Click(object sender, EventArgs e)
{
    if (openFileDialog1.ShowDialog() == DialogResult.OK)
    {
        Cursor = Cursors.WaitCursor;

        try
        {
            // Create spreadsheet
            Spreadsheet spreadsheet = new Spreadsheet();

            // Load spreadsheet from file
            spreadsheet.LoadFromFile(openFileDialog1.FileName);

            // Export to DataGridView
            DataTable dataTable = spreadsheet.ExportToDataTable();
            dataGridView1.DataSource = dataTable;
        }
        finally
        {
            Cursor = Cursors.Default;
        }
    }
}

/// <summary>
/// Fills a data table of the periodic table of elements.
/// </summary>
private DataTable GetDemoDataTable()
{
    DataTable periodicTable = new DataTable("PeriodicTable");

    periodicTable.Columns.Add("Name", typeof(string));
    periodicTable.Columns.Add("Symbol", typeof(string));
    periodicTable.Columns.Add("AtomicNumber", typeof(int));

    DataRow dr = periodicTable.Rows.Add();
    dr[0] = "Hydrogen";
    dr[1] = "H";
    dr[2] = "1";

    dr = periodicTable.Rows.Add();
    dr[0] = "Helium";

```

```

        dr[1] = "He";
        dr[2] = "2";

        dr = periodicTable.Rows.Add();
        dr[0] = "Lithium";
        dr[1] = "Li";
        dr[2] = "3";

        dr = periodicTable.Rows.Add();
        dr[0] = "Beryllium";
        dr[1] = "Be";
        dr[2] = "4";

        dr = periodicTable.Rows.Add();
        dr[0] = "Boron";
        dr[1] = "B";
        dr[2] = "5";

        dr = periodicTable.Rows.Add();
        dr[0] = "Carbon";
        dr[1] = "C";
        dr[2] = "6";

        return periodicTable;
    }
}

```

Program.cs

```

using System;
using System.Windows.Forms;

namespace ImportExportFromWinFormsDataGrid.CSharp
{
    class Program
    {
        [STAThread]
        static void Main(string[] args)
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);
            Application.Run(new Form1());
        }
    }
}

```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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