

How to export to winforms datagrid in C# and ByteScout Spreadsheet SDK

This code in C# shows how to export to winforms datagrid with this how to tutorial

These sample source codes on this page below are demonstrating how to export to winforms datagrid in C#. ByteScout Spreadsheet SDK can export to winforms datagrid. It can be used from C#. ByteScout Spreadsheet SDK is the SDK to create, read, modify and calculate spreadsheets. Formula calculations are supported, import and export to and from JSON, CSV, XML, databases, arrays.

This rich sample source code in C# for ByteScout Spreadsheet SDK includes the number of functions and options you should do calling the API to export to winforms datagrid. 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.

Free trial version of ByteScout Spreadsheet SDK is available for download from our website. Get it to try other source code samples for C#.

C# - Form1.Designer.cs

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

        ///
        /// Clean up any resources being used.
        ///
        /// 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

///

/// Required method for Designer support - do not modify
/// the contents of this method with the code editor.
///

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.Top | System.Windows.Forms.AnchorStyles.Bottom)
System.Windows.Forms.AnchorStyles.Left)
System.Windows.Forms.AnchorStyles.Right)));
    this.dataGrid1.DataMember = "";
    this.dataGrid1.HeaderForeColor =
System.Drawing.SystemColors.ControlText;
    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
    //
    this.dataGridTableStyle1.DataGrid = this.dataGrid1;
    this.dataGridTableStyle1.GridColumnStyles.AddRange(new
System.Windows.Forms.DataGridColumnStyle[] {
    this.dataGridTextBoxColumn1});
    this.dataGridTableStyle1.HeaderForeColor =
System.Drawing.SystemColors.ControlText;
    //
    // dataGridTextBoxColumn1
    //
    this.dataGridTextBoxColumn1.Format = "";
    this.dataGridTextBoxColumn1.FormatInfo = null;
    this.dataGridTextBoxColumn1.NullText = "";
    this.dataGridTextBoxColumn1.Width = 75;
    //
    // btnImport

```

```

//
        this.btnImport.Anchor = ((System.Windows.Forms.AnchorStyles)
((System.Windows.Forms.AnchorStyles.Bottom |
System.Windows.Forms.AnchorStyles.Right)));
        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 DataGridView to spreadsheet";
        this.btnImport.UseVisualStyleBackColor = true;
        this.btnImport.Click += new
System.EventHandler(this.btnImport_Click);
//
// btnExport
//
        this.btnExport.Anchor = ((System.Windows.Forms.AnchorStyles)
((System.Windows.Forms.AnchorStyles.Bottom |
System.Windows.Forms.AnchorStyles.Right)));
        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 DataGridView";
        this.btnExport.UseVisualStyleBackColor = true;
        this.btnExport.Click += new
System.EventHandler(this.btnExport_Click);
//
// openFileDialog1
//
        this.openFileDialog1.FileName = "openFileDialog1";
        this.openFileDialog1.Filter = "Excel files
(*.xls;*.xlsx)|*.xls;*.xlsx|All files|*.*";
//
// 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 = "ImportFromWinFormsDataGridView";
        ((System.ComponentModel.ISupportInitialize)(this.dataGrid1)).EndInit();
        this.ResumeLayout(false);

    }

#endregion

private System.Windows.Forms.DataGridView dataGrid1;
private System.Windows.Forms.Button btnImport;
private System.Windows.Forms.Button btnExport;
private System.Windows.Forms.OpenFileDialog openFileDialog1;
private System.Windows.Forms.DataGridViewTableStyle dataGridTableStyle1;
private System.Windows.Forms.DataGridViewTextBoxColumn
dataGridViewTextBoxColumn1;

}

```

```
}
```

C# - 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 DataGridView
                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;
                }
            }
        }
    }
}
```

```

        // 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;
        }
    }
}

///
/// Fills a data table of the periodic table of elements.
///
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;
    }
}
}

```

C# - Program.cs

```

using System;
using System.Windows.Forms;

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

```



FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about ByteScout Spreadsheet SDK](#)

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[Visit \[www.ByteScout.com\]\(http://www.ByteScout.com\)](#)

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