

How to view spreadsheet in C# and ByteScout Spreadsheet SDK

How to view spreadsheet in C#

With this source code sample you may quickly learn how to view spreadsheet in C#. What is ByteScout Spreadsheet SDK? It is the library (SDK) that is capable of writing, reading, modifying and calculating Excel and CSV spreadsheets. Most popular formulas can be calculated and recalculated with Excel installed. You may import or export data to and from CSV, XML, JSON as well as to and from databases, arrays. It can help you to view spreadsheet in your C# application.

Fast application programming interfaces of ByteScout Spreadsheet SDK for C# plus the instruction and the code below will help you quickly learn how to view spreadsheet. In your C# project or application you may simply copy & paste the code and then run your app! You can use these C# sample examples in one or many applications.

Our website provides trial version of ByteScout Spreadsheet SDK for free. It also includes documentation and source code samples.

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Source Code Files:

Form1.Designer.cs

```

namespace ViewSpreadsheet
{
    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()
        {
            System.ComponentModel.ComponentResourceManager resources = new
            this.lblStub = new System.Windows.Forms.Label();
            this.menuStrip1 = new System.Windows.Forms.MenuStrip();
            this.filesToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();
            this.tsmiOpen = new System.Windows.Forms.ToolStripMenuItem();
            this.tsmiPrint = new System.Windows.Forms.ToolStripMenuItem();
            this.tsmiPrintPreview = new System.Windows.Forms.ToolStripMenuItem();
            this.tsmiExit = new System.Windows.Forms.ToolStripMenuItem();
            this.helpToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();
            this.tsmiVisitWebsite = new System.Windows.Forms.ToolStripMenuItem();
            this.tsmiAbout = new System.Windows.Forms.ToolStripMenuItem();
            this.toolStrip = new System.Windows.Forms.ToolStrip();
            this.tsbOpen = new System.Windows.Forms.ToolStripButton();
            this.toolStripSeparator1 = new System.Windows.Forms.ToolStripSeparator();
            this.tsbPromo = new System.Windows.Forms.ToolStripButton();
            this.toolStripSeparator2 = new System.Windows.Forms.ToolStripSeparator();
            this.tsbVisitWebsite = new System.Windows.Forms.ToolStripButton();
            this.openFileDialog = new System.Windows.Forms.OpenFileDialog();
            this.menuStrip1.SuspendLayout();
            this.toolStrip.SuspendLayout();
            this.SuspendLayout();
            //
            // lblStub
            //
            this.lblStub.BackColor = System.Drawing.SystemColors.Window;
            this.lblStub.Dock = System.Windows.Forms.DockStyle.Fill;
            this.lblStub.Font = new System.Drawing.Font("Arial", 17.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)0));
            this.lblStub.ForeColor = System.Drawing.SystemColors.AppWorkspace;
        }
    }
}

```

```

this.lblStub.Location = new System.Drawing.Point(0, 49);
this.lblStub.Name = "lblStub";
this.lblStub.Size = new System.Drawing.Size(837, 508);
this.lblStub.TabIndex = 5;
this.lblStub.Text = "Click here to open spreadsheet files: \r\n
    "Office Calc (*.ods)\r\nCSV Comma Separated Values (*.c
    "s (*.txt)";
this.lblStub.TextAlign = System.Drawing.ContentAlignment.Middle
this.lblStub.Click += new System.EventHandler(this.tsmiOpen_Cl
//
// menuStrip1
//
this.menuStrip1.Items.AddRange(new System.Windows.Forms.ToolSt
this.filesToolStripMenuItem,
this.helpToolStripMenuItem});
this.menuStrip1.Location = new System.Drawing.Point(0, 0);
this.menuStrip1.Name = "menuStrip1";
this.menuStrip1.Padding = new System.Windows.Forms.Padding(4, 2
this.menuStrip1.Size = new System.Drawing.Size(837, 24);
this.menuStrip1.TabIndex = 6;
this.menuStrip1.Text = "menuStrip1";
//
// filesToolStripMenuItem
//
this.filesToolStripMenuItem.DropDownItems.AddRange(new System.W
this.tsmiOpen,
this.tsmiPrint,
this.tsmiPrintPreview,
this.tsmiExit});
this.filesToolStripMenuItem.Name = "filesToolStripMenuItem";
this.filesToolStripMenuItem.Size = new System.Drawing.Size(42,
this.filesToolStripMenuItem.Text = "Files";
//
// tsmiOpen
//
this.tsmiOpen.Name = "tsmiOpen";
this.tsmiOpen.ShortcutKeys = ((System.Windows.Forms.Keys) ((Sys
this.tsmiOpen.Size = new System.Drawing.Size(166, 22);
this.tsmiOpen.Text = "Open";
this.tsmiOpen.Click += new System.EventHandler(this.tsmiOpen_Cl
//
// tsmiPrint
//
this.tsmiPrint.Enabled = false;
this.tsmiPrint.Name = "tsmiPrint";
this.tsmiPrint.Size = new System.Drawing.Size(166, 22);
this.tsmiPrint.Text = "Print...";
this.tsmiPrint.Visible = false;
//
// tsmiPrintPreview
//
this.tsmiPrintPreview.Enabled = false;
this.tsmiPrintPreview.Name = "tsmiPrintPreview";
this.tsmiPrintPreview.Size = new System.Drawing.Size(166, 22);
this.tsmiPrintPreview.Text = "Print Preview...";
this.tsmiPrintPreview.Visible = false;
//
// tsmiExit
//
this.tsmiExit.Name = "tsmiExit";

```

```

        this.tsmiExit.Size = new System.Drawing.Size(166, 22);
        this.tsmiExit.Text = "Exit";
        this.tsmiExit.Click += new System.EventHandler(this.tsmiExit_C
        //
        // helpToolStripMenuItem
        //
        this.helpToolStripMenuItem.DropDownItems.AddRange(new System.W
this.tsmiVisitWebsite,
this.tsmiAbout});
        this.helpToolStripMenuItem.Name = "helpToolStripMenuItem";
        this.helpToolStripMenuItem.Size = new System.Drawing.Size(44, 2
        this.helpToolStripMenuItem.Text = "Help";
        //
        // tsmiVisitWebsite
        //
        this.tsmiVisitWebsite.Name = "tsmiVisitWebsite";
        this.tsmiVisitWebsite.Size = new System.Drawing.Size(152, 22);
        this.tsmiVisitWebsite.Text = "Visit Website";
        this.tsmiVisitWebsite.Click += new System.EventHandler(this.tsm
        //
        // tsmiAbout
        //
        this.tsmiAbout.Name = "tsmiAbout";
        this.tsmiAbout.Size = new System.Drawing.Size(152, 22);
        this.tsmiAbout.Text = "About";
        this.tsmiAbout.Click += new System.EventHandler(this.tsmiAbout
        //
        // toolStrip
        //
        this.toolStrip.Items.AddRange(new System.Windows.Forms.ToolStri
this.tsbOpen,
this.toolStripSeparator1,
this.tsbPromo,
this.toolStripSeparator2,
this.tsbVisitWebsite});
        this.toolStrip.Location = new System.Drawing.Point(0, 24);
        this.toolStrip.Name = "toolStrip";
        this.toolStrip.Size = new System.Drawing.Size(837, 25);
        this.toolStrip.TabIndex = 7;
        this.toolStrip.Text = "toolStrip1";
        //
        // tsbOpen
        //
        this.tsbOpen.Font = new System.Drawing.Font("Tahoma", 8.25F, Sy
        this.tsbOpen.ImageTransparentColor = System.Drawing.Color.Black
        this.tsbOpen.Name = "tsbOpen";
        this.tsbOpen.Size = new System.Drawing.Size(71, 22);
        this.tsbOpen.Text = "Open File...";
        this.tsbOpen.Click += new System.EventHandler(this.tsmiOpen_Cl
        //
        // toolStripSeparator1
        //
        this.toolStripSeparator1.Name = "toolStripSeparator1";
        this.toolStripSeparator1.Size = new System.Drawing.Size(6, 25)
        //
        // tsbPromo
        //
        this.tsbPromo.DisplayStyle = System.Windows.Forms.ToolStripItem
        this.tsbPromo.Font = new System.Drawing.Font("Tahoma", 8.25F, S
        this.tsbPromo.ImageTransparentColor = System.Drawing.Color.Mage

```

```

this.tsbPromo.Name = "tsbPromo";
this.tsbPromo.Size = new System.Drawing.Size(320, 22);
this.tsbPromo.Text = "Developers: Check Bytescout Spreadsheet S
this.tsbPromo.Click += new System.EventHandler(this.tsbPromo_C
//
// toolStripSeparator2
//
this.toolStripSeparator2.Name = "toolStripSeparator2";
this.toolStripSeparator2.Size = new System.Drawing.Size(6, 25)
//
// tsbVisitWebsite
//
this.tsbVisitWebsite.DisplayStyle = System.Windows.Forms.ToolSt
this.tsbVisitWebsite.Font = new System.Drawing.Font("Tahoma", 8
this.tsbVisitWebsite.ImageTransparentColor = System.Drawing.Co
this.tsbVisitWebsite.Name = "tsbVisitWebsite";
this.tsbVisitWebsite.Size = new System.Drawing.Size(84, 22);
this.tsbVisitWebsite.Text = "Visit Website";
this.tsbVisitWebsite.Click += new System.EventHandler(this.tsmi
//
// openFileDialog
//
this.openFileDialog.Filter = resources.GetString("openFileDialo
this.openFileDialog.SupportMultiDottedExtensions = true;
//
// Form1
//
this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
this.AutoScaleMode = System.Windows.Forms.AutoScaleModeMode.Font;
this.ClientSize = new System.Drawing.Size(837, 557);
this.Controls.Add(this.lblStub);
this.Controls.Add(this.toolStrip);
this.Controls.Add(this.menuStrip1);
this.Name = "Form1";
this.Text = "Spreadsheet Viewer";
this.menuStrip1.ResumeLayout(false);
this.menuStrip1.PerformLayout();
this.toolStrip.ResumeLayout(false);
this.toolStrip.PerformLayout();
this.ResumeLayout(false);
this.PerformLayout();

```

```

}

```

```

#endregion

```

```

private System.Windows.Forms.Label lblStub;
private System.Windows.Forms.MenuStrip menuStrip1;
private System.Windows.Forms.ToolStripMenuItem filesToolStripMenuItem;
private System.Windows.Forms.ToolStripMenuItem tsmiOpen;
private System.Windows.Forms.ToolStripMenuItem tsmiPrint;
private System.Windows.Forms.ToolStripMenuItem tsmiPrintPreview;
private System.Windows.Forms.ToolStripMenuItem tsmiExit;
private System.Windows.Forms.ToolStripMenuItem helpToolStripMenuItem;
private System.Windows.Forms.ToolStripMenuItem tsmiVisitWebsite;
private System.Windows.Forms.ToolStripMenuItem tsmiAbout;
private System.Windows.Forms.ToolStrip toolStrip;
private System.Windows.Forms.ToolStripButton tsbOpen;
private System.Windows.Forms.ToolStripSeparator toolStripSeparator1;
private System.Windows.Forms.ToolStripButton tsbPromo;

```

```

        private System.Windows.Forms.ToolStripSeparator toolStripSeparator2;
        private System.Windows.Forms.ToolStripButton tsbVisitWebsite;
        private System.Windows.Forms.OpenFileDialog openFileDialog;

    }
}

```

Form1.cs

```

using System;
using System.IO;
using System.Text;
using System.Windows.Forms;
using Bytescout.Spreadsheet;

namespace ViewSpreadsheet
{
    public partial class Form1 : Form
    {
        private SpreadsheetControl _spreadsheetControl = null;

        private string _fileName = null;

        public Form1(string[] args)
        {
            if (args.Length > 0 && File.Exists(args[0]))
            {
                _fileName = args[0];
            }

            if (_fileName != null)
            {
                OpenFile(_fileName);
            }

            InitializeComponent();

            Icon = Properties.Resources.xlsview;
        }

        private void OpenFile(string fileName)
        {
            Text = "Spreadsheet Viewer - " + fileName;

            Spreadsheet xls = new Spreadsheet();
            xls.RegistrationName = "demo";
            xls.RegistrationKey = "demo";

            try
            {

```

```

        xls.LoadFromFile(fileName);
    }
    catch (SpreadsheetProtectionPasswordRequired)
    {
        PasswordDialog passwordDialog = new PasswordDialog();

        if (passwordDialog.ShowDialog(this) == DialogResult.OK)
        {
            xls.LoadFromFile(fileName, CacheType.Memory, "
        }
        else
        {
            return;
        }
    }
}

lblStub.Visible = false;

if (_spreadsheetControl == null)
{
    _spreadsheetControl = new SpreadsheetControl();
    _spreadsheetControl.Dock = DockStyle.Fill;

    Controls.Add(_spreadsheetControl);

    _spreadsheetControl.BringToFront();
    _spreadsheetControl.Focus();
}

Cursor = Cursors.WaitCursor;

try
{
    _spreadsheetControl.Spreadsheet = xls;
}
catch (Exception e)
{
    MessageBox.Show(e.ToString());
}
finally
{
    Cursor = Cursors.Default;
}
}

private void tsmiOpen_Click(object sender, EventArgs e)
{
    if (openFileDialog.ShowDialog() == DialogResult.OK)
    {
        OpenFile(openFileDialog.FileName);
    }
}

private void tsmiAbout_Click(object sender, EventArgs e)
{
    MessageBox.Show("Spreadsheet Viewer\n\nwww.bytescout.com\n\nCop
}

private void tsmiExit_Click(object sender, EventArgs e)
{

```

```

        Close();
    }

    private void tsmiVisitWebsite_Click(object sender, EventArgs e)
    {
        System.Diagnostics.Process.Start(@"http://www.bytescout.com");
    }

    private void tsbPromo_Click(object sender, EventArgs e)
    {
        System.Diagnostics.Process.Start(@"http://bytescout.com/product
    }
}

```

PasswordDialog.Designer.cs

```

namespace ViewSpreadsheet
{
    partial class PasswordDialog
    {
        /// <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; other
        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.textBoxPassword = new System.Windows.Forms.TextBox();
            this.label2 = new System.Windows.Forms.Label();
            this.checkBoxHide = new System.Windows.Forms.CheckBox();

```

```
this.btnOk = new System.Windows.Forms.Button();
this.btnCancel = new System.Windows.Forms.Button();
this.SuspendLayout();
//
// textBoxPassword
//
this.textBoxPassword.Location = new System.Drawing.Point(79, 39);
this.textBoxPassword.Name = "textBoxPassword";
this.textBoxPassword.Size = new System.Drawing.Size(168, 22);
this.textBoxPassword.TabIndex = 1;
//
// label2
//
this.label2.AutoSize = true;
this.label2.Location = new System.Drawing.Point(4, 42);
this.label2.Name = "label2";
this.label2.Size = new System.Drawing.Size(73, 17);
this.label2.TabIndex = 2;
this.label2.Text = "Password:";
//
// checkBoxHide
//
this.checkBoxHide.AutoSize = true;
this.checkBoxHide.Location = new System.Drawing.Point(7, 12);
this.checkBoxHide.Name = "checkBoxHide";
this.checkBoxHide.Size = new System.Drawing.Size(123, 21);
this.checkBoxHide.TabIndex = 3;
this.checkBoxHide.Text = "Hide password";
this.checkBoxHide.UseVisualStyleBackColor = true;
this.checkBoxHide.CheckedChanged += new System.EventHandler(this.checkBoxH
//
// btnOk
//
this.btnOk.DialogResult = System.Windows.Forms.DialogResult.OK;
this.btnOk.Location = new System.Drawing.Point(91, 67);
this.btnOk.Name = "btnOk";
this.btnOk.Size = new System.Drawing.Size(75, 23);
this.btnOk.TabIndex = 4;
this.btnOk.Text = "Ok";
this.btnOk.UseVisualStyleBackColor = true;
this.btnOk.Click += new System.EventHandler(this.btnOk_Click);
//
// btnCancel
//
this.btnCancel.DialogResult = System.Windows.Forms.DialogResult.Cancel;
this.btnCancel.Location = new System.Drawing.Point(172, 67);
this.btnCancel.Name = "btnCancel";
this.btnCancel.Size = new System.Drawing.Size(75, 23);
this.btnCancel.TabIndex = 5;
this.btnCancel.Text = "Cancel";
this.btnCancel.UseVisualStyleBackColor = true;
this.btnCancel.Click += new System.EventHandler(this.btnCancel_Click);
//
// PasswordDialog
//
this.AcceptButton = this.btnOk;
this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.CancelButton = this.btnCancel;
this.ClientSize = new System.Drawing.Size(255, 98);
```

```

        this.Controls.Add(this.btnCancel);
        this.Controls.Add(this.btnOk);
        this.Controls.Add(this.checkBoxHide);
        this.Controls.Add(this.label2);
        this.Controls.Add(this.textBoxPassword);
        this.FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedDialog;
        this.MaximizeBox = false;
        this.MinimizeBox = false;
        this.Name = "PasswordDialog";
        this.SizeGripStyle = System.Windows.Forms.SizeGripStyle.Hide;
        this.StartPosition = System.Windows.Forms.FormStartPosition.CenterParent;
        this.Text = "Please enter a password";
        this.ResumeLayout(false);
        this.PerformLayout();
    }

    #endregion

    private System.Windows.Forms.TextBox textBoxPassword;
    private System.Windows.Forms.Label label2;
    private System.Windows.Forms.CheckBox checkBoxHide;
    private System.Windows.Forms.Button btnOk;
    private System.Windows.Forms.Button btnCancel;
}
}

```

PasswordDialog.cs

```

using System;
using System.Windows.Forms;

namespace ViewSpreadsheet
{
    public partial class PasswordDialog : Form
    {
        public PasswordDialog()
        {
            InitializeComponent();
        }

        public string Password
        {
            get { return textBoxPassword.Text; }
        }

        private void btnOk_Click(object sender, EventArgs e)
        {
            //DialogResult = DialogResult.OK;
            //Close();
        }
    }
}

```

```

    }

    private void btnCancel_Click(object sender, EventArgs e)
    {

    }

    private void checkBoxHide_CheckedChanged(object sender, EventArgs e)
    {
        if (checkBoxHide.Checked)
            textBoxPassword.PasswordChar = '*';
        else
            textBoxPassword.PasswordChar = '\0';
    }
}
}

```

Program.cs

```

using System;
using System.Windows.Forms;

namespace ViewSpreadsheet
{
    static class Program
    {
        /// <summary>
        /// The main entry point for the application.
        /// </summary>
        [STAThread]
        static void Main(string[] args)
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);

            Application.Run(new Form1(args));
        }
    }
}

```

VIDEO

https://www.youtube.com/watch?v=nm_7I0PN1TY

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