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## How to view spreadsheet with spreadsheet sdk in C# using ByteScout Data Extraction Suite

Step-by-step tutorial on how to view spreadsheet with spreadsheet sdk in C#

Sample source code below will display you how to manage a complex task like view spreadsheet with spreadsheet sdk in C#. ByteScout Data Extraction Suite: the set that includes 3 SDK products for data extraction from PDF, scans, images and from spreadsheets: PDF Extractor SDK, Data Extraction SDK, Barcode Reader SDK. It can view spreadsheet with spreadsheet sdk in C#.

The SDK samples given below describe how to quickly make your application do view spreadsheet with spreadsheet sdk in C# with the help of ByteScout Data Extraction Suite. Just copy and paste the code into your C# application's code and follow the instructions. Enjoy writing a code with ready-to-use sample codes in C#.

All these programming tutorials along with source code samples and ByteScout free trial version are available for download from our website.

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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.
        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 System.ComponentModel.ComponentResourceManager(typeof(Form1));
            this.lblStub = new System.Windows.Forms.Label();
            this.menuStrip1 = new System.Windows.Forms.MenuStrip();
            this.fileToolStripMenuItem = 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.visitWebsiteToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();
            this.aboutToolStripMenuItem = 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.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.menuStrip1.ResumeLayout(false);
            this.ResumeLayout(false);
        }

        // 
        // lblStub
        // 
        this.lblStub.Location = new System.Drawing.Point(0, 0);
        this.lblStub.Name = "lblStub";
        this.lblStub.Size = new System.Drawing.Size(800, 450);
        this.lblStub.TabIndex = 0;
        this.menuStrip1.SuspendLayout();
        this.ResumeLayout(false);
    }
}
```

```
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\tOffice Calc (*.ods)\r\n\tCSV Comma Separated Values (*.c
    "s (*.txt)";
this.lblStub.TextAlign = System.Drawing.ContentAlignment.MiddleCenter;
this.lblStub.Click += new System.EventHandler(this.tsmiOpen_Click);
//
// menuStrip1
//
this.menuStrip1.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {
    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, 0, 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.Windows.Forms.ToolStripItem[] {
    this.tsmiOpen,
    this.tsmiPrint,
    this.tsmiPrintPreview,
    this.tsmiExit});
this.filesToolStripMenuItem.Name = "filesToolStripMenuItem";
this.filesToolStripMenuItem.Size = new System.Drawing.Size(42, 22);
this.filesToolStripMenuItem.Text = "Files";
//
// tsmiOpen
//
this.tsmiOpen.Name = "tsmiOpen";
this.tsmiOpen.ShortcutKeys = ((System.Windows.Forms.Keys) ((System.Windows.Forms.Keys.Control | System.Windows.Forms.Keys.O)));
this.tsmiOpen.Size = new System.Drawing.Size(166, 22);
this.tsmiOpen.Text = "Open";
this.tsmiOpen.Click += new System.EventHandler(this.tsmiOpen_Click);
//
// 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_Click);
//
// helpToolStripMenuItem
//
this.helpToolStripMenuItem.DropDownItems.AddRange(new System.Windows.Forms.ToolStripItem[] {
    this.tsmiVisitWebsite,
    this.tsmiAbout});
    this.helpToolStripMenuItem.Name = "helpToolStripMenuItem";
    this.helpToolStripMenuItem.Size = new System.Drawing.Size(44, 22);
    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.tsmiVisitWebsite_Click);
//
// 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_Click);
//
// toolStrip
//
this.toolStrip.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {
    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, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, 0);
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_Click);
//
// toolStripSeparator1
//
this.toolStripSeparator1.Name = "toolStripSeparator1";
this.toolStripSeparator1.Size = new System.Drawing.Size(6, 25);
//
// tsbPromo
//
this.tsbPromo.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Text;
this.tsbPromo.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, 0);
this.tsbPromo.ImageTransparentColor = System.Drawing.Color.Magenta;
```

```

        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.ToolStripItemD
        this.tsbVisitWebsite.Font = new System.Drawing.Font("Tahoma", 8F, S
        this.tsbVisitWebsite.ImageTransparentColor = System.Drawing.Color.W
        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.tsbVisi
        //
        // openFileDialog
        //
        this.openFileDialog.Filter = resources.GetString("openFileDialog
        this.openFileDialog.SupportMultiDottedExtensions = true;
        //
        // Form1
        //
        this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
        this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.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);

    }

#endregion

private System.Windows.Forms.Label lblStub;
private System.Windows.Forms.MenuStrip menuStrip1;
private System.Windows.Forms.ToolStripMenuItem fileToolStripMenuItem;
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, "XLS");
        }
        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\nCopyright © 2007 Bytescout Software Inc.");
}

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; otherwise, false.</param>
        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.checkBoxHide_CheckedChanged);
//
// 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;
}

}

```

PasswordField.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=NEwNs2b9YN8>

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