

How to convert xls to xml and xml to xls with spreadsheet sdk in VB.NET using ByteScout Barcode Suite

Learn to convert xls to xml and xml to xls with spreadsheet sdk in VB.NET

This sample source code below will display you how to convert xls to xml and xml to xls with spreadsheet sdk in VB.NET. ByteScout Barcode Suite is the set that includes three different SDK products to generate barcodes, read barcodes and read and write spreadsheets: Barcode SDK, Barcode Reader SDK and Spreadsheet SDK. It can be applied to convert xls to xml and xml to xls with spreadsheet sdk using VB.NET.

Want to quickly learn? This fast application programming interfaces of ByteScout Barcode Suite for VB.NET plus the guidelines and the code below will help you quickly learn how to convert xls to xml and xml to xls with spreadsheet sdk. IF you want to implement the functionality, just copy and paste this code for VB.NET below into your code editor with your app, compile and run your application. Applying VB.NET application mostly includes various stages of the software development so even if the functionality works please test it with your data and the production environment.

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:

Module1.vb

```
Imports Bytescout.Spreadsheet
Imports System.IO

Module Module1
    Sub Main()
        ' sample XLS to XML conversion
        SampleXLStoXMLConversion()
        ' sample XML to XLS conversion
        SampleXMLtoXLSConversion()
    End Sub

    ''' <summary>
    ''' shows how to convert existing XLS (Excel) _document into XML using Bytescout.S
    ''' </summary>
    Sub SampleXLStoXMLConversion()
        Dim document As New Spreadsheet()
        document.LoadFromFile("AdvancedReport.xls")

        ' read XLS and save as XML
        Dim tools As New SimpleXMLConverter(document)
        tools.SaveXML("AdvancedReport.xml")

        document.Close()
    End Sub

    ''' <summary>
    ''' shows how to convert XML data into XLS excel using Bytescout.Spreadsheet and B
    ''' </summary>
    Sub SampleXMLtoXLSConversion()
        ' read XML and convert into XLS (Excel) and save

        Dim document As New Spreadsheet()

        Dim tools As New SimpleXMLConverter(document)

        tools.LoadXML("AdvancedReport.xml")

        ' remove output file if already exists
        If File.Exists("AdvancedReportFromXML.xls") Then
            File.Delete("AdvancedReportFromXML.xls")
        End If

        document.SaveAs("AdvancedReportFromXML.xls")

        document.Close()

        ' open in default spreadsheets viewer/editor
        Process.Start("AdvancedReportFromXML.xls")
    End Sub
End Module
```

SimpleXMLConverter.vb

```
Imports Bytescout.Spreadsheet

Public Class SimpleXMLConverter

    Dim _document As Spreadsheet

    Sub New(ByRef document As Spreadsheet)
        _document = document
    End Sub

    Sub LoadXML(ByVal path As String)
        Dim dataSet As New DataSet()
        dataSet.ReadXml(path)

        For Each table As DataTable In dataSet.Tables

            Dim worksheet As Worksheet = _document.Workbook.Worksheets.Add(table.TableName)

            ' Add columns
            worksheet.Columns.Insert(0, table.Columns.Count)

            ' Add rows for data
            worksheet.Rows.Insert(0, table.Rows.Count)

            ' Fill data
            For i As Integer = 0 To table.Rows.Count - 1
                For j As Integer = 0 To table.Columns.Count - 1
                    worksheet.Cell(i + 1, j).Value = table.Rows(i)(j).ToString()
                Next
            Next
        Next
    End Sub

    Sub SaveXML(ByVal path As String)

        Dim dataSet As New DataSet()

        For i As Integer = 0 To _document.Workbook.Worksheets.Count - 1

            Dim worksheet As Worksheet = _document.Workbook.Worksheets(i)

            Dim table As DataTable = dataSet.Tables.Add(worksheet.Name)

            For column As Integer = 0 To worksheet.UsedRangeColumnMax
                table.Columns.Add(String.Format("Column_{0}", column))
            Next

            For row As Integer = 0 To worksheet.UsedRangeRowMax
                Dim data() As Object
```

```

        Array.Resize(data, worksheet.UsedRangeColumnMax + 1)

        For column As Integer = 0 To worksheet.UsedRangeColumnMax
            data(column) = worksheet.Cell(row, column).Value
        Next

        table.Rows.Add(data)
    Next
Next

    dataSet.WriteXml(path)
End Sub

Sub PrintDataSet(ByRef ds As DataSet)

    Console.WriteLine("DataSet name: {0}", ds.DataSetName)
    For Each table As DataTable In ds.Tables

        Dim rowCount As Integer = table.Rows.Count
        Dim columnCount As Integer = table.Columns.Count

        Console.WriteLine("\nTable: {0} ({1} rows)", table.TableName, rowCount)

        For Each column As DataColumn In table.Columns
            Console.Write("{0}\t", column.ColumnName)
        Next

        Console.WriteLine()

        For i As Integer = 0 To rowCount - 1
            For column As Integer = 0 To columnCount - 1
                Console.Write("{0}\t", table.Rows(i)(column))
            Next

            Console.WriteLine()
        Next
    Next
End Sub

End Class

```

VIDEO

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

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