

# XDoc.Converter SDK Developer Guide

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## Convert a file to a PDF file

### Convert Microsoft Word (.docx) to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.docx";
String outputFilePath = Program.ROOT_PATH + "\\output.docx.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

### Convert Microsoft Excel (.xlsx) to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.xlsx";
String outputFilePath = Program.ROOT_PATH + "\\output.xlsx.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

Use conversion flags

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.xlsx";
String outputFilePath = Program.ROOT_PATH + "\\output.xlsx.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        // to define page size
        ops.UseDefaultPageSize = false;
        ops.PageWidth = 8F;
        ops.PageHeight = 5F;
        // divide into several pages with defined width and height
        ops.ShowExcelDivideSheet = true;
        // show the empty sheets
        ops.ShowExcelEmptySheet = true;
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert Microsoft PowerPoint (.pptx) to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pptx";
String outputFilePath = Program.ROOT_PATH + "\\output.pptx.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.OpenOrCreate,
        FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert Tiff to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.tif";
String outputFilePath = Program.ROOT_PATH + "\\output.tif.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert Dicom to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.dcm";
String outputFilePath = Program.ROOT_PATH + "\\output.dcm.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.OpenOrCreate,
        FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert JPEG to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.jpg";
String outputFilePath = Program.ROOT_PATH + "\\output.jpg.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        ConvertResult result = ImageConverter.ToDocument(inStream, outputStream, ops);

        switch (result)
        {
            case ConvertResult.NO_ERROR:
                Console.WriteLine("Success");
                break;
            case ConvertResult.FILE_TYPE_UN SUPPORT:
                Console.WriteLine("Fail: can not convert to PDF, file type unsupported");
                break;
            case ConvertResult.FILE_TYPE_UNMATCH:
                Console.WriteLine("Fail: input file is not a document");
                break;
            default:
                Console.WriteLine("Fail: unknown error");
                break;
        }
    }
}
```

## Create PDF file with the specified PDF page size

From Image to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.jpg";
String outputFilePath = Program.ROOT_PATH + "\\output.jpg.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        // use given page size, 20 inches in width and 20 inches in height
        ops.UseDefaultPageSize = false;
        ops.PageWidth = 20F;
        ops.PageHeight = 20F;
        ConvertResult result = ImageConverter.ToDocument(inStream, outStream, ops);
    }
}
```

From Document (.tif, .docx, .xlsx, .pptx) to PDF

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.tif";
String outputFilePath = Program.ROOT_PATH + "\\output.tif.pdf";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_PDF);
        // use given page size, 20 inches in width and 20 inches in height
        ops.UseDefaultPageSize = false;
        ops.PageWidth = 20F;
        ops.PageHeight = 20F;
        DocumentConverter.ToDocument(inStream, outStream, ops);
    }
}
```

## Convert a PDF file to Word file

### Convert a PDF file to .docx file

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.docx";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.OpenOrCreate,
        FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_MSDOCX);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```



## Convert a file to a TIFF file

### Convert PDF to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

### Convert Microsoft Word (.docx) to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.docx";
String outputFilePath = Program.ROOT_PATH + "\\output.docx.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert Microsoft Excel (.xlsx) to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.xlsx";
String outputFilePath = Program.ROOT_PATH + "\\output.xlsx.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        ConvertResult result = DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert Microsoft PowerPoint (.pptx) to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pptx";
String outputFilePath = Program.ROOT_PATH + "\\output.pptx.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert Dicom to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.dcm";
String outputFilePath = Program.ROOT_PATH + "\\output.dcm.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        ConvertResult result = DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Convert JPEG to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.jpg";
String outputFilePath = Program.ROOT_PATH + "\\output.jpg.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        ConvertResult result = ImageConverter.ToDocument(inStream, outputStream, ops);
        Console.WriteLine("Result: " + result.ToString());
    }
}
```

## Create Tiff file with the specified Tiff page size

### Convert Image to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.jpg";
String outputFilePath = Program.ROOT_PATH + "\\output.jpg.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        // use given page size, 20 inches in width and 20 inches in height
        ops.UseDefaultPageSize = false;
        ops.PageWidth = 20F;
        ops.PageHeight = 20F;
        ConvertResult result = ImageConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

### Convert Document (.pdf, .docx, .xlsx, .pptx) to Tiff

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        // use given page size, 20 inches in width and 20 inches in height
        ops.UseDefaultPageSize = false;
        ops.PageWidth = 20F;
        ops.PageHeight = 20F;
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Create Tiff file with the specified Tiff compression method

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.tif";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TIFF);
        ops.CompressionMode = ImageCompress.CCITT1D;
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

ImageCompress available to TIFF

ImageCompress	Description
CCITT1D	CCITT 1D RLE
Group3Fax	CCITT Group 3 Fax Encoding
Group4Fax	CCITT Group 4 Fax Encoding
PackBits	PackBits
JPEG	JPEG (Default)
Uncompressed	Do not compress data

## Convert a file to a JPEG file

### Convert PDF to JPEG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.jpg";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);
        DocumentConverter.ToImage(inStream, outputStream, ops);
    }
}
```

### Convert Microsoft Word (.docx) to JPEG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.docx";
String outputFilePath = Program.ROOT_PATH + "\\output.docx.jpg";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);
        DocumentConverter.ToImage(inStream, outputStream, ops);
    }
}
```

## Convert Microsoft Excel (.xlsx) to JPEG

```
C#  
String inputFilePath = Program.ROOT_PATH + "\\1.xlsx";  
String outputFilePath = Program.ROOT_PATH + "\\output.xlsx.jpg";  
  
using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))  
{  
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))  
    {  
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);  
        DocumentConverter.ToImage(inStream, outputStream, ops);  
    }  
}
```

## Convert Microsoft PowerPoint (.pptx) to JPEG

```
C#  
String inputFilePath = Program.ROOT_PATH + "\\1.pptx";  
String outputFilePath = Program.ROOT_PATH + "\\output.pptx.jpg";  
  
using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))  
{  
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))  
    {  
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);  
        DocumentConverter.ToImage(inStream, outputStream, ops);  
    }  
}
```

## Convert Tiff to JPEG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.tif";
String outputFilePath = Program.ROOT_PATH + "\\output.tif.jpg";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);
        DocumentConverter.ToImage(inStream, outputStream, ops);
    }
}
```

## Convert Dicom to JPEG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.dcm";
String outputFilePath = Program.ROOT_PATH + "\\output.dcm.jpg";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);
        DocumentConverter.ToImage(inStream, outputStream, ops);
    }
}
```



## Create JPEG with the specified JPEG resolution

Convert Document (.pdf, .docx, .xlsx, .pptx, .tif) to JPEG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.jpg";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);
        // render document page with resolution 300 dpi (for both horizontal and vertical)
        ops.UseDefaultResolution = false;
        ops.ResolutionX = 300F;
        ops.ResolutionY = 300F;
        DocumentConverter.ToImage(inStream, outputStream, ops);
    }
}
```

## Create JPEG with different horizontal, vertical resolutions

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.jpg";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        ImageSaveOption ops = new ImageSaveOption(FileType.IMG_JPEG);
        // render document page with 300 dpi in horizontal and 600 dpi in vertical
        ops.UseDefaultResolution = false;
        ops.ResolutionX = 300F;
        ops.ResolutionY = 600F;
        DocumentConverter.ToImage(inStream, outputStream, ops);
    }
}
```

## Convert a file to SVG file

### Convert PDF to SVG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf ";
String outputFolder = Program.ROOT_PATH + "";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentConverter.ToSVG(inStream, outputFolder, RelativeType.SVG);
}
```

RelativeType	Description
SVG	SVG file without embed font and image
SVGEMBED	SVG file with embed font and image
SVGEMBEDFONT	SVG file with embed font
SVGEMBEDIMG	SVG file with embed image

### Convert Microsoft Word (.docx) to SVG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.docx";
String outputFolder = Program.ROOT_PATH + "";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentConverter.ToSVG(inStream, outputFolder, RelativeType.SVG);
}
```

RelativeType	Description
SVG	SVG file without embed font and image
SVGEMBED	SVG file with embed font and image
SVGEMBEDFONT	SVG file with embed font
SVGEMBEDIMG	SVG file with embed image

## Convert Microsoft Excel (.xlsx) to SVG

C#
<pre>String inputFilePath = Program.ROOT_PATH + "\\1.xlsx"; String outputFolder = Program.ROOT_PATH + "";  using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read)) {     DocumentConverter.ToSVG(inStream, outputFolder, RelativeType.SVG); }</pre>

RelativeType	Description
SVG	SVG file without embed font and image
SVGEMBED	SVG file with embed font and image
SVGEMBEDFONT	SVG file with embed font
SVGEMBEDIMG	SVG file with embed image

## Convert Microsoft PowerPoint (.pptx) to SVG

C#
<pre>String inputFilePath = Program.ROOT_PATH + "\\1.pptx"; String outputFolder = Program.ROOT_PATH + "";  using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read)) {     DocumentConverter.ToSVG(inStream, outputFolder, RelativeType.SVG); }</pre>

RelativeType	Description
SVG	SVG file without embed font and image
SVGEMBED	SVG file with embed font and image
SVGEMBEDFONT	SVG file with embed font
SVGEMBEDIMG	SVG file with embed image

## Convert Tiff to SVG

C#
<pre>String inputFilePath = Program.ROOT_PATH + "\\1.tif"; String outputFolder = Program.ROOT_PATH + "";  using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read)) {     DocumentConverter.ToSVG(inStream, outputFolder, RelativeType.SVG); }</pre>

RelativeType	Description
SVG	SVG file without embed font and image
SVGEMBED	SVG file with embed font and image
SVGEMBEDFONT	SVG file with embed font
SVGEMBEDIMG	SVG file with embed image

## Convert Dicom to SVG

C#
<pre>String inputFilePath = Program.ROOT_PATH + "\\1.dcm"; String outputFolder = Program.ROOT_PATH + "";  using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read)) {     DocumentConverter.ToSVG(inStream, outputFolder, RelativeType.SVG); }</pre>

RelativeType	Description
SVG	SVG file without embed font and image
SVGEMBED	SVG file with embed font and image
SVGEMBEDFONT	SVG file with embed font
SVGEMBEDIMG	SVG file with embed image

## Convert JPEG to SVG

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.jpeg";
String outputFolder = Program.ROOT_PATH + "\\";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentConverter.ToSVG(inStream, outputFolder, RelativeType.SVG);
}

```

RelativeType	Description
SVG	SVG file without embed font and image
SVGEMBED	SVG file with embed font and image
SVGEMBEDFONT	SVG file with embed font
SVGEMBEDIMG	SVG file with embed image

## Convert a file to HTML file

### Convert PDF to HTML

```
C#  
String inputFilePath = Program.ROOT_PATH + "\\1.pdf ";  
String outputFolder = Program.ROOT_PATH + "\\";  
  
using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))  
{  
    DocumentConverter.ToHTML(inStream, outputFolder, RelativeType.HTML);  
}
```

### Convert Microsoft Word (.docx) to HTML

```
C#  
String inputFilePath = Program.ROOT_PATH + "\\1.docx";  
String outputFolder = Program.ROOT_PATH + "\\";  
  
using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))  
{  
    DocumentConverter.ToHTML(inStream, outputFolder, RelativeType.HTML  
}
```

### Convert Microsoft Excel (.xlsx) to HTML

```
C#  
String inputFilePath = Program.ROOT_PATH + "\\1.xlsx";  
String outputFolder = Program.ROOT_PATH + "\\";  
  
using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))  
{  
    DocumentConverter.ToHTML(inStream, outputFolder, RelativeType.HTML);  
}
```

## Convert Microsoft PowerPoint (.pptx) to HTML

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pptx";
String outputFolder = Program.ROOT_PATH + "";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentConverter.ToHTML(inStream, outputFolder, RelativeType.HTML);
}

```

## Convert Tiff to HTML

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.tif";
String outputFolder = Program.ROOT_PATH + "";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentConverter.ToHTML(inStream, outputFolder, RelativeType.HTML);
}

```

## Convert Dicom to HTML

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.dcm";
String outputFolder = Program.ROOT_PATH + "";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentConverter.ToHTML(inStream, outputFolder, RelativeType.HTML);
}

```

## Convert JPEG to HTML

C#

```
String inputFilePath = Program.ROOT_PATH + "\\1.jpeg";  
String outputFolder = Program.ROOT_PATH + "\\";  
  
using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))  
{  
    DocumentConverter.ToHTML(inStream, outputFolder, RelativeType.HTML);  
}
```



## Scan and Extract Text Content from a file, Output to TEXT File

### Extract Text Content from Tiff, Output to TXT File

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.tif";
String outputFilePath = Program.ROOT_PATH + "\\output.tif.txt";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TXT);
        // set OCR source folder that required by OCR process
        ops.OcrSourcePath = Program.OCR_SOURCE_FOLDER;
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

### Extract Text Content from Scanned PDF, Output to TXT File

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.pdf";
String outputFilePath = Program.ROOT_PATH + "\\output.pdf.txt";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TXT);
        // set OCR source folder that required by OCR process
        ops.OcrSourcePath = Program.OCR_SOURCE_FOLDER;
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Extract Text Content from Scanned Word, Output to TEXT File

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.docx";
String outputFilePath = Program.ROOT_PATH + "\\output.docx.txt";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    using (FileStream outputStream = File.Open(outputFilePath, FileMode.Create, FileAccess.ReadWrite))
    {
        DocumentSaveOption ops = new DocumentSaveOption(FileType.DOC_TXT);
        // set OCR source folder that required by OCR process
        ops.OcrSourcePath = Program.OCR_SOURCE_FOLDER;
        DocumentConverter.ToDocument(inStream, outputStream, ops);
    }
}
```

## Print a document file

### Select an available printer to print

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.docx";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentPrinterOption ops = new DocumentPrinterOption();

    // Get names of all available printers
    List<String> printerNames = ops.GetAllPrinterNames();
    if (printerNames == null || printerNames.Count == 0) throw new Exception("no printer is available");
    // select the 1st printer in the list
    ops.PrinterName = printerNames[0];
    DocumentPrinter.Print(inStream, ops);
}
```

### Print all pages in a file

```
C#
String inputFilePath = Program.ROOT_PATH + "\\1.tif";
using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    DocumentPrinter.Print(inStream, new DocumentPrinterOption());
}
```

## Print a range of pages in a file

C#

```
String inputFilePath = Program.ROOT_PATH + "\\1.docx";

using (Stream inStream = File.Open(inputFilePath, FileMode.Open, FileAccess.Read))
{
    // print the document from the 2nd page
    int startPageIndex = 1;
    // print totally 3 pages (page 2, 3 and 4)
    int pageCount = 3;
    DocumentPrinter.Print(inStream, startPageIndex, pageCount);
}
```