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Public repository

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This is a .NET library that converts PDF files to PNG images while maintaining the original PDF dimensions. The library is specifically designed to be used with PowerBuilder applications.

- Convert PDF files to PNG images
- Maintains original PDF dimensions
- Supports multi-page PDFs
- Configurable DPI settings
- COM-visible for use in PowerBuilder

- .NET Framework 4.8.1 SDK for Development with build tool(select 1 of 2 options)
  - Visual Studio 2019 or later for building the library
  - .NET 8 SDK for building the library
- PowerBuilder 2019 R3 or later
- 64-bit Windows OS only

1. Open the solution in Visual Studio
2. Build the solution in Release mode

1. Use PowerBuilder's ".NET DLL Importer" tool to import the assembly:

- Open your PowerBuilder project
- Select Tools → ".NET DLL Importer"
- Browse to and select "PdfToImageConverter.dll"
- Generate the proxy object

2. Create an instance of the converter:

```
n_pdfconverter ln_converter // if you use other name for the proxy object need to change the name in the code
ln_converter = CREATE n_pdfconverter
```

3. Convert PDF to PNG:

```
string ls_result
ls_result = ln_converter.ConvertPdfToImage("C:\input.pdf", "C:\output.png", 300)

if Left(ls_result, 7) = "SUCCESS" then
    MessageBox("Success", ls_result)
else
    MessageBox("Error", ls_result)
end if
```

## Parameters

- pdfPath : Full path to the input PDF file
- outputPath : Full path for the output PNG file
- dpi : Optional. DPI value for the output image (default: 300)

## Multi-page PDFs

When converting multi-page PDFs, the library will automatically append page numbers to the output filename:

- Single page: output.png
- Multi-page: output\_page1.png , output\_page2.png , etc.

## Error Handling

The conversion method returns a string starting with either "SUCCESS" or "ERROR" followed by additional details. Make sure to handle both cases in your PowerBuilder code as shown in the usage example above.

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